SUPERB
Upscaling Forest Restoration

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P115 Resources

P93
SUCCESS INDICATORS DEPENDING ON THE MAIN OBJECTIVE:

P114
SUCCESS INDICATORS PROPOSED BY YOU ON THE MAIN OBJECTIVE:

P18

HELP US TO IMPROVE AND SCALE UP FOREST RESTORATION IN EUROPE

This survey has been developed in the frame of the EU project SUPERB - Systemic solutions for upscaling of urgent ecosystem restoration for forest related biodiversity and ecosystem services - (December 2021 – November 2025; project website: https://forest-restoration.eu/). This questionnaire seeks to compile a multidisciplinary knowledge base of practical restoration in Europe that will allow SUPERB partners to analyse the previous and ongoing restoration attempts and to evaluate those elements that influence their success or failure. Forest restoration is understood here as any action or project (hereinafter referred to as restoration action) that aims to improve the biodiversity, ecological integrity and provision of services in forest ecosystems. As such, actions such as rewilding, reforestation, afforestation, remediation, rehabilitation, prestoration (restoration that specifically includes climate change adaptation), or any shift in direction towards a closer-to-nature forest management, can be included within the term restoration action. Similarly, restoration action could range from a passive approach, such as fencing an area to facilitate natural regeneration, to assisted restoration, such as creating habitat trees to promote biodiversity in forest management, to an active approach, such as enrichment planting to enhance resilience or planting after disturbances, including fires and wind storms. In summary, respondents are encouraged to think big when considering which initiatives fit under the forest restoration umbrella. The data from this survey will be anonymised, synthesized and results made publicly available to support managers' decision-making and improve future restoration actions.

We estimate this questionnaire will require no more than 60 minutes of your time if it is answered in full, but we offer the possibility of answering only the most important questions, which would reduce the time needed to answer to 30 minutes. The most important questions will appear first. Once you answer these, you can finish the questionnaire at this point or can continue to answer it in full. If you have information on more than one restoration action, we encourage you to answer one questionnaire for each of them, at least in its reduced version. Alternatively, you can fill in the questionnaire only for the most representative site(s) of the country or region. The questionnaire seeks to understand your general knowledge about forest restoration, to understand your restoration action, and to assess the result of your restoration action through precise metrics.

All information collected will be treated in accordance with your consent in two different ways:

- By default, it will be confidential and will be analysed as a whole so that each response will be kept anonymous.
- If you agree and confirm your consent at the end of this survey, your results will be published anonymously as online open-data with the aim of creating an EU database of ongoing and past forest restoration actions.

Thank you

If you have any further questions, please contact alberdi.iciar@inia.csic.es

- ◯ I understand all of the above, certify that I am of legal age and consent to participate in this survey
- ◯ I do NOT wish to continue to participate in this survey

P19 What is your relationship with the restoration action? Please, indicate the option that best fits your situation

- I am manager of this restoration action
- I participated in the design, execution or monitoring of this restoration action
- I am landowner or belong to an organisation that owns land in the area affected by the restoration or in the surrounding area
- I am a private individual or belong to a company/association with economic interests in the land affected by the restoration
- I belong to an NGO/association/foundation with non-financial interests in this restoration
- I am a representative of the public administration (public employees of the state, region or municipality, excluding public enterprises) working on environmental or other matters relevant to forest restoration
- I am a resident of the municipalities affected by this restoration
- I am a private individual with interest in the restoration project
- I am a researcher with interest in forest restoration
- I am involved in the project SUPERB.
  Please, specify your name:
- Other.
  Please specify:

P20 What is your level of experience in restoration activities?

- No experience
- Theoretical knowledge in restoration but no practical experience
- I have participated as a stakeholder in one or more previous restorations
- I have been involved professionally in the restoration sector and I have participated in the design, execution or monitoring of one or more previous restorations (1-3 restoration activities or < 5 years of experience)
- Expert with extensive professional experience in the design, execution or monitoring of restorations (>3 restoration activities or at least 5 years of professional experience)

P63
THE RESTORATION ACTION
GENERAL DESCRIPTION

P21 Briefly describe the restoration action (reasons for restoration, tasks performed and results obtained). Max recommended 150 words.

P178 If you know it, could you please provide us the name of the Restoration Project within which your restoration was framed?

$propertySet.remove($prop) $propertySet.remove($prop)

P22 Please indicate surface area covered by the restoration

ha

P23 What is the status of the restoration action?

- Planning
- Ongoing (restoration activities not completed and therefore it is not yet possible to evaluate the effects of restoration)
- Fully or partially completed (restoration activities at least partially completed; it is possible to assess at least certain effects of restoration at the present time)

$propertySet.remove($prop) $propertySet.remove($prop)

P24 Restoration start year

P25
DESCRIPTION OF THE SITE WHERE THE RESTORATION ACTION WAS CARRIED OUT

P26 Country

Please select response Select response

P27 What was the pre-restoration land use? (Please choose more than one option if applicable)

- [ ] Forest, including temporarily deforested land (forest definition)
- [ ] Other wooded land (other wooded land definition)
- [ ] Other land with tree cover (Other land with tree cover)
- [ ] Grassland
- [ ] Bare areas
- [ ] Agricultural land
- [ ] Urban land
- [ ] Waterbodies, including peatland, swampy areas
- [ ] Other

Please specify:

$propertySet.remove($prop) $propertySet.remove($prop)

P28 Indicate what the percentage (0-100) of forest cover (forest definition) was prior to restoration in the restoration area

_____ %

$propertySet.remove($prop) $propertySet.remove($prop)

P29 Additionally, please, indicate the corresponding area occupied by forest prior to restoration in the restoration area

_____ ha

Given that restorations generally seek to recover a degraded or lost ecosystem, what was the main cause or sign of degradation? (Please, choose more than one option if applicable)

	Causes	Signs
P30 Cattle or wildlife grazing	○	○
P31 Lack of key species in the balance of the ecosystem	○	○
P32 Pests or/and diseases	○	○
P33 Fires	○	○
P34 Snowstorms, windstorms, avalanches…	○	○
P35 Cessation of prescribed burning	○	○
P36 Species poorly adapted to current climatic conditions	○	○
P37 Erosion	○	○

	Causes	Signs
P38 Agriculture	○	○
P39 Overharvesting	○	○
P40 Illegal logging	○	○
P41 Non-management	○	○
P42 Excess density or competition	○	○
P43 Mining	○	○
P44 Urban expansion	○	○
P45 Incomplete forest cover	○	○
P46 Tree mortality	○	○
P47 Low tree growth	○	○
P48 Regeneration problems	○	○
P49 Low biodiversity	○	○
P50 Excessive homogeneity of the forest	○	○
P51 Landscape fragmentation	○	○
P52 Previous (re)forestation failed or not completely successful	○	○
P53 Air pollution	○	○
P54 Eutrophication	○	○
P55 Acidification	○	○
P56 Soil contamination	○	○
P57 Missing habitat (Degradation or loss of previous habitats whose absence prevents the survival or expansion of certain species)	○	○
P58 Lack of food (for one or more animal species important in the ecosystem)	○	○
P59 Invasive alien species	○	○
P60 Not applicable	○	○
P116 Other	○	○

P61
RESTORATION OBJECTIVES

P62 Briefly describe the objectives of the restoration action. Max recommended 150 words.

P1 Classify the main objective of this restoration action

- Increase the population of species (e.g. increase the number of individuals of certain plant or animal species by acting directly, through introduction, or indirectly, by acting on habitat conditions) / expand the distribution of a species
- Change in species composition
- To promote tree/plant regeneration
- Improve structural diversity (gaps, uneven-aged structure, dead wood, large or veteran trees, etc.)
- Increase microhabitat abundance or diversity (tree wounds, tree hollows, etc.)
- Promote habitats of interest (e.g. riparian forests, gaps in the forest that increase biodiversity, areas of dense scrub that serve as a refuge for wildlife, old growth patches, etc.)
- Increase the resilience of the ecosystem (against pests, drought, etc.)
- Increase landscape complexity
- Increase landscape connectivity
- Improve provision of non-timber products
- Erosion protection
- Soil improvement
- Water provisioning (considering both surface water and groundwater)
- Water quality
- Hydrological stability against floods
- Foster wood/biomass production
- CO_2 capture
- Local climate regulation (e. g. cooling)
- Pollution mitigation
- Improvement of other ecological functions not previously mentioned.
- Human health & wellbeing
- Others

Please specify

P91 Classify the second most important objective of this restoration action

- Increase the population of species (e.g. increase the number of individuals of certain plant or animal species by acting directly, through introduction, or indirectly, by acting on habitat

P91 Classify the second most important objective of this restoration action

- conditions) / expand the distribution of a species
- Change in species composition
- To promote tree/plant regeneration
- Improve structural diversity (gaps, uneven-aged structure, dead wood, large or veteran trees, etc.)
- Increase microhabitat abundance or diversity (tree wounds, tree hollows, etc.)
- Promote habitats of interest (e.g. riparian forests, gaps in the forest that increase biodiversity, areas of dense scrub that serve as a refuge for wildlife, old growth patches, etc.)
- Increase the resilience of the ecosystem (against pests, drought, etc.)
- Increase landscape complexity
- Increase landscape connectivity
- Improve provision of non-timber products
- Erosion protection
- Soil improvement
- Water provisioning (considering both surface water and groundwater)
- Water quality
- Hydrological stability against floods
- Foster wood/biomass production
- CO_2 capture
- Local climate regulation (e. g. cooling)
- Pollution mitigation
- Improvement of other ecological functions not previously mentioned.
- Human health & wellbeing
- Others

  Please specify

P92 Classify the third most important objective of this restoration action

- Increase the population of species (e.g. increase the number of individuals of certain plant or animal species by acting directly, through introduction, or indirectly, by acting on habitat conditions) / expand the distribution of a species
- Change in species composition
- To promote tree/plant regeneration

P92 Classify the third most important objective of this restoration action

- Improve structural diversity (gaps, uneven-aged structure, dead wood, large or veteran trees, etc.)
- Increase microhabitat abundance or diversity (tree wounds, tree hollows, etc.)
- Promote habitats of interest (e.g. riparian forests, gaps in the forest that increase biodiversity, areas of dense scrub that serve as a refuge for wildlife, old growth patches, etc.)
- Increase the resilience of the ecosystem (against pests, drought, etc.)
- Increase landscape complexity
- Increase landscape connectivity
- Improve provision of non-timber products
- Erosion protection
- Soil improvement
- Water provisioning (considering both surface water and groundwater)
- Water quality
- Hydrological stability against floods
- Foster wood/biomass production
- CO_2 capture
- Local climate regulation (e. g. cooling)
- Pollution mitigation
- Improvement of other ecological functions not previously mentioned.
- Human health & wellbeing
- Others

Please specify

$propertySet.remove($prop) $propertySet.remove($prop)

P2 For the most important objective you have selected: "", indicate the percentage of the restored area aimed at achieving this objective (%, 0-100) (note that the areas indicated for the different objectives, if there is more than one, may overlap and therefore their sum may exceed 100%).

%

$propertySet.remove($prop) $propertySet.remove($prop)

P3 For the second objective you have selected: "", indicate the percentage of the restored area aimed at achieving this objective (%, 0-100) (note that the areas indicated for the different objectives, if there is more than one, may overlap and therefore their sum may exceed 100%).

%

$propertySet.remove($prop) $propertySet.remove($prop)

P4 For the third objective you have selected: "", indicate the percentage of the restored area aimed at achieving this objective (%, 0-100) (note that the areas indicated for the different objectives, if there is more than one, may overlap and therefore their sum may exceed 100%).

%

P64

RESTORATION ACTIVITIES

This section requests information on the restoration activities carried out. If restoration has not yet taken place, please respond according to the restoration activities that are planned or underway.

P65 Indicate the main intervention intensity type used in this restoration action. If different activities have been carried out with different intensity of intervention, indicate here the option corresponding to the higher intensity (e.g., in a restoration where grazing has been limited - passive intervention - and thinning has been carried out to increase regeneration - assisted intervention - the restoration, as a whole, will be assisted).

- ○ Active restoration (direct intervention for example planting, seeding, construction of dams for hydrological correction, etc.)
- ○ Assisted restoration (indirect intervention that helps to accelerate natural processes for example, by acting on those elements that promote, prevent or delay natural regeneration)
- ○ Passive restoration (cease the damaging activity)

P66 Has there been a change in land uses following restoration?

- ○ Yes
- ○ No

P67 If there is a change in land uses following restoration, please specify the pre-restoration land use type(s) affected

- ☐ Forest, including temporarily deforested land (forest definition)
- ☐ Other wooded land (other wooded land definition)
- ☐ Other land with tree cover (Other land with tree cover)
- ☐ Grassland
- ☐ Bare areas
- ☐ Agricultural land

P67 If there is a change in land uses following restoration, please specify the pre-restoration land use type(s) affected

- [ ] Urban land
- [ ] Waterbodies, including peatland, swampy areas
- [ ] Other

Please specify:

P68 If there is a change in land uses following restoration, please specify the post-restoration land use type(s) affected

- [ ] Forest, including temporarily deforested land (forest definition)
- [ ] Other wooded land (other wooded land definition)
- [ ] Other land with tree cover (Other land with tree cover)
- [ ] Grassland
- [ ] Bare areas
- [ ] Agricultural land
- [ ] Urban land
- [ ] Waterbodies, including peatland, swampy areas
- [ ] Other

Please specify:

P69 Has the percentage of forest cover changed due to restoration?

- ○ Yes
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P70 If yes, indicate the increase in area occupied by forest as a result of the restoration (indicate the increase in area using positive values and the decrease, if the area occupied by forest has been reduced, using negative values)

ha

P71 Indicate the activities and measures applied in this restoration (Please choose more than one option if applicable)

- [ ] Cessation or attenuation of degrading action/factor
- [ ] Promoting natural regeneration
- [ ] Planting or sowing for reforestation/afforestation
- [ ] Enrichment planting or sowing
- [ ] (Re)introduction of animal species
- [ ] Changing animal or plant population size
- [ ] Regulation of wildlife/ungulate populations to reduce herbivory
- [ ] Predator control
- [ ] Control/removal of (invasive) species
- [ ] Pest and/or disease control
- [ ] Pesticide application
- [ ] Herbicide application
- [ ] Weeding
- [ ] Clearing of ground vegetation
- [ ] Fire prevention interventions
- [ ] Emulation of natural disturbances (e.g., prescribed burning, patch creation)
- [ ] Management for old-growth forest attributes (e.g., girdling, thinning, felling and leaving downed logs)
- [ ] Logging
- [ ] Thinning
- [ ] Removal of non-adapted tree species
- [ ] Removal of current vegetation
- [ ] Soil preparation
- [ ] Watering
- [ ] Mulching
- [ ] Fertilizing
- [ ] Soil amendments (to bind or dilute contaminants or restore fertility)
- [ ] Hydrological interventions
- [ ] Structural complexity enhancement
- [ ] Landscape level planning to increase landscape connectivity
- [ ] Landscape level planning to increase landscape complexity
- [ ] Fencing

P71 Indicate the activities and measures applied in this restoration (Please choose more than one option if applicable)

- [ ] Restricting the passage of people
- [ ] Installation of wildlife refuges
- [ ] Creation of wildlife crossings
- [ ] Full protection - Restriction of all active management
- [ ] Partial protection – Partial restriction of active management
- [ ] Retention and protection of individual trees and tree groups including habitat and wildlife trees
- [ ] Protection of patches of old-growth
- [ ] Protection of patches for development of old-growth characteristics
- [ ] Other

Please specify:

P72
GENERAL SUCCESS ASSESSMENT

P73 What is your perception of the general level of success?

- ○ Very low (none of the proposed objectives has been satisfactorily achieved)
- ○ Low [only one restoration objective has been achieved and the rest have failed or, if the restoration has a single objective, it has only been partially achieved (e.g. failed reforestation in 50% of the area)]
- ○ Medium [some restoration objectives have not been achieved or, if the restoration has only one objective, it has not been achieved in the whole restored area (e.g. failed reforestation in 20% of the area)]
- ○ High [all restoration objectives achieved, although not completely (e.g. higher than desired die-off of individuals of an introduced species)]
- ○ Very high (all the restoration objectives have been fully achieved)

$propertySet.remove($prop) $propertySet.remove($prop)

P74 Could you provide the percentage (0-100) of successfully restored area with respect to the total area included in the restoration if possible?

[ ] %

P75 What were the main obstacles to the success of the restoration? (Please choose more than one option if applicable)

P75 What were the main obstacles to the success of the restoration? (Please choose more than one option if applicable)

- [ ] Insufficient seed/seedling quality and/or supply
- [ ] Lack of stakeholder involvement
- [ ] Conflicting goals
- [ ] Regulations
- [ ] Shortage of funding
- [ ] Duration of the restoration action too short
- [ ] Extreme climatic events
- [ ] Properties of the biophysical environment (e. g. harsh site conditions)
- [ ] Pests/Diseases
- [ ] Lack of competencies/skills of the managers
- [ ] Lack of competencies/skills of the workers
- [ ] Design failure
- [ ] Execution failure
- [ ] Failure in some contracted task(s)
- [ ] Herbivory
- [ ] Others
- [ ] None
- [ ] I don´t know

P76 If you had additional budget, what could have been improved? Please explain. Max recommended 150 words.

P77 Was an assessment of success of the restoration carried out?

- ○ Yes. Completed or ongoing (with sufficient data to assess, at least partially, the success of restoration)
- ○ No
- ○ Ongoing (in process; at the moment with no or insufficient data to assess the success of restoration)

P78 Has an unrestored control area been used to calibrate the success?

- ◯ Yes
- ◯ No

P79 Which criteria are monitored, how and how often?

P80 Is the monitoring data available?

- ◯ Yes,
  please provide the contact person or the URL where the data is available
- ◯ No

P5

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P117
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: abundance (count per hectare; for ichthyofauna indicate the number of catches per unit effort) for up to three species and total number of species. Abundance has been selected to measure the success of restorations focused on recovering one or more specific species. The total number of species has been selected to measure the success of restorations aimed at increasing the overall biodiversity of the ecosystem.

P317 The total number of species in an entire ecosystem is rarely known, however it is common to know the total number of species in a given living group (i.e., tree species only, or animal species, or vertebrates, or woody plants, etc.). If you have information on the total number of species in your restoration area, please indicate which group this requested measure refers to

	SP 1	SP 2	SP 3
P118 If your restoration is focused on recovering one or more specific species, please give the latin name of the species (up to three)			

	Abundance (count per hectare/catches per unit effort) of SP 1	Abundance (count per hectare/catches per unit effort) of SP 2	Abundance (count per hectare/catches per unit effort) of SP 3	Total number of species
P11 Do you consider that this metric is adequate to quantify the success of these aims of the restoration?	Select response	Select response	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them.

	Abundance (count per hectare/catches per unit effort) of SP 1	Abundance (count per hectare/catches per unit effort) of SP 2	Abundance (count per hectare/catches per unit effort) of SP 3	Total number of species
P12 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)				
P13 Year in which this value was measured before the restoration (year)				
P14 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)				
P15 Year in which this value was measured after the restoration				
P16 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)				

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1"))	Other area
P633 Reference area considered to estimate abundance of SP	○	○	○
P634 Reference area considered to estimate abundance of SP	○	○	○
P635 Reference area considered to estimate abundance of SP	○	○	○

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1"))	Other area
P636 Reference area considered to estimate the total number of species	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P637 When do you expect the reference value to be reached for SP	○	○	○	○	○	○
P638 When do you expect the reference value to be reached for SP	○	○	○	○	○	○
P639 When do you expect the reference value to be reached for SP	○	○	○	○	○	○
P640 When do you expect the reference value to be reached for the total number of species?	○	○	○	○	○	○

P113 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P94 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P100 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P101 Year in which this value was measured before the restoration	
P102 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P103 Year in which this value was measured after the restoration	

	Your indicator
P104 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P105 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P109 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P7 For the second objective , could you answer the same questions as for the main one?

- ○ Yes
- ○ No

P10 For the third objective , could you answer the same questions as for the main one?

- ○ Yes
- ○ No

P6

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be done for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P8
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: abundance (count per hectare; for ichthyofauna indicate the number of catches per unit effort) for up to three species.

	SP 1	SP 2	SP 3
P9 Please give the latin name of the species (up to three)			

	Abundance (count per hectare/catches per unit effort) of SP 1	Abundance (count per hectare/catches per unit effort) of SP 2	Abundance (count per hectare/catches per unit effort) of SP 3
P81 Do you consider that this metric is adequate to quantify the success of these aims of the restoration?	Select response	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Abundance (count per hectare/catches per unit effort) of SP 1	Abundance (count per hectare/catches per unit effort) of SP 2	Abundance (count per hectare/catches per unit effort) of SP 3
P85 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)			
P95 Year in which this value was measured before the restoration			
P96 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)			
P97 Year in which this value was measured after the restoration			
P98 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)			

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area

P82 Reference area considered to estimate abundance of SP	○	○	○
P83 Reference area considered to estimate abundance of SP	○	○	○
P84 Reference area considered to estimate abundance of SP	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P86 When do you expect the reference value to be reached for SP	○	○	○	○	○	○
P87 When do you expect the reference value to be reached for SP	○	○	○	○	○	○
P88 When do you expect the reference value to be reached for SP	○	○	○	○	○	○

P112 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P119 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P120 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P121 Year in which this value was measured before the restoration	
P122 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P123 Year in which this value was measured after the restoration	
P124 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P125 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P126 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P128

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P129

To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Regeneration cover (%, 0-100; percentage of area with adequate presence of regeneration)

Regeneration cover (%, 0-100; percentage of area with adequate presence of regeneration)

P131 Do you consider that this metric is adequate to quantify the success of these aims of the restoration? Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Regeneration cover (%, 0-100; percentage of area with adequate presence of regeneration)
P132 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P133 Year in which this value was measured before the restoration	
P134 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P135 Year in which this value was measured after the restoration	
P136 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P137 Reference area considered to estimate Regeneration cover (%, 0-100; percentage of area with adequate presence of regeneration)

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P138 When do you expect he reference value to be reached for Regeneration cover (%, 0-100; percentage of area with adequate presence of regeneration)?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P139 Would you propose an alternative indicator for this objective?

- ◯ Yes
- ◯ No

P140 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P141 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P142 Year in which this value was measured before the restoration	
P143 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P144 Year in which this value was measured after the restoration	
P145 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P146 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P147 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P148

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P149

To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Volume of standing deadwood (m³/ha), Volume of lying deadwood (m³/ha), Structural diversity [scale 1-5: (1) very low, even-aged and uniform stands; (2) low; (3) medium; (4) high; (5) very high, old-growth forest]

	Volume of standing deadwood (m³/ha)	Volume of lying deadwood (m³/ha)	Structural diversity (scale 1-5)
P151 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Volume of standing deadwood (m³/ha)	Volume of lying deadwood (m³/ha)	Structural diversity (allowed values from 1, very low, to 5, very high)
P152 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)			
P153 Year in which this value was measured before the restoration			
P154 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)			
P155 Year in which this value was measured after the restoration			
P156 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)			

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P89 Reference area considered to estimate the volume of standing deadwood (m³/ha)	○	○	○
P90 Reference area considered to estimate the volume of lying deadwood (m³/ha)	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P110 When do you expect the reference value to be reached for Volume of standing deadwood (m³/ha)?	○	○	○	○	○	○
P111 When do you expect the reference value will be reached for volume of lying deadwood (m³/ha)?	○	○	○	○	○	○
P216 When do you expect the reference value to be reached for structural diversity?	○	○	○	○	○	○

P161 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P162 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P163 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P164 Year in which this value was measured before the restoration	
P165 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P166 Year in which this value was measured after the restoration	

	Your indicator
P167 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P168 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P169 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P170

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P171

To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Microhabitat abundance [scale 1-5: (1) very low, insignificant; (2) low; (3) medium; (4) high; (5) very high, abundant presence in the whole restored area]

	Microhabitat abundance (scale 1-5)

P172 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Microhabitat abundance (allowed values from 1, very low, to 5, very high)
P173 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P174 Year in which this value was measured before the restoration	
P175 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P176 Year in which this value was measured after the restoration	
P177 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P179 When do you expect the reference value to be reached for the microhabitat abundance?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don't know

P180 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P181 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P182 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P183 Year in which this value was measured before the restoration	
P184 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P185 Year in which this value was measured after the restoration	
P186 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P187 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P188 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P189

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide

information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P190
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Area occupied by the habitats of interest (ha)
* Consider only the habitats of interest for the restoration action (for example, forest areas for an afforestation project)

	Area occupied by the habitats of interest (ha)
P191 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Area occupied by the habitats of interest (ha)
P192 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P193 Year in which this value was measured before the restoration	
P194 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P195 Year in which this value was measured after the restoration	
P196 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P197 Reference area considered to estimate the area occupied by the habitats of interests

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P198 When do you expect the reference value to be reached for the area occupied by the habitats of interests?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P199 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P200 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P201 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P202 Year in which this value was measured before the restoration	
P203 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P204 Year in which this value was measured after the restoration	
P205 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P206 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action

P206 Reference area considered for the estimation of your indicator

- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P207 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P208

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P209
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Resilience of the system [scale 1-5: (1) very low, high tree mortality; (2) low; (3) medium; (4) high; (5) very high, forest with species well adapted to environmental conditions and adequate levels of competition]

	Resilience of the system (scale 1-5)
P210 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Resilience of the system (allowed values from 1, very low, to 5, very high)
P444 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P445 Year in which this value was measured before the restoration	
P473 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P474 Year in which this value was measured after the restoration	
P476 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P217 When do you expect the reference value to be reached for the resilience of the system?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P218 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P219 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator

	Your indicator
P220 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P221 Year in which this value was measured before the restoration	
P222 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P223 Year in which this value was measured after the restoration	
P224 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P225 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P226 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P227

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P228

To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: number of patches in the restored area, average patch size (ha) and number of patch types*.

** Different patch types are considered to be those with different land uses (agriculture, forest, etc.), different dominant species or different structures (regular stands, irregular stands, old-growth stands, etc.).*

	Number of patches in the restored area	Average patch size (ha)	Number of patch types
P229 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Number of patches in the restored area	Average patch size (ha)	Number of patch types
P230 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)			
P231 Year in which this value was measured before the restoration			
P232 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)			
P233 Year in which this value was measured after the restoration			
P234 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)			

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P236 Reference area considered to estiamte number of patches in the restored area	○	○	○
P442 Reference area considered to estimate average patch size (ha)	○	○	○
P443 Reference area considered to estimate number of patch types	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P150 When do you expect the reference value to be reached for number of patches in the restored area?	○	○	○	○	○	○
P157 When do you expect the reference value to be reached for average patch size (ha)?	○	○	○	○	○	○
P158 When do you expect the reference value to be reached for Number of patch types?	○	○	○	○	○	○

P241 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P242 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P243 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P244 Year in which this value was measured before the restoration	
P245 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P246 Year in which this value was measured after the restoration	
P247 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P248 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action

P248 Reference area considered for the estimation of your indicator

- The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- Other area

P249 When do you expect the reference value to be reached for your indicator?

- Reached during the restoration action
- Short term (1-15 years from end of restoration action)
- Medium term (16-50 years from end of restoration action)
- Long term (>50 years from end of restoration action)
- Never (unsuccessful restoration, at least partially)
- I don´t know

P250

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P251
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: number of connections or corridors between patches, total length of ecological connections/corridors (km)

	Number of connections or corridors between patches	Total length of ecological connections/corridors (km)
P252 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Number of connections or corridors between patches	Total length of ecological connections/corridors (km)
P253 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)		
P254 Year in which this value was measured before the restoration		
P255 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)		
P256 Year in which this value was measured after the restoration		
P257 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)		

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P159 Reference area considered to estimate the number of connections or corridors between patches	○	○	○
P160 Reference area considered to estimate the total length of ecological connections/corridors (km)	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P130 When do you expect the reference value to be reached for number of connections or corridors between patches?	○	○	○	○	○	○
P235 When do you expect the reference value to be reached for total length of ecological connections/corridors (km)?	○	○	○	○	○	○

P264 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P265 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P266 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P267 Year in which this value was measured before the restoration	
P268 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P269 Year in which this value was measured after the restoration	
P270 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P271 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P272 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P260

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be done for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P263
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: abundance of hunting/fishing species (count per hectare for hunting species and catches per unit effort for fishing species) for up to three species, mushroom resources (kg/ha), forest fruits production (kg/ha), resin production (kg/ha), cork production (kg/ha), apiculture production (kg of honey/ha).

P99 What kind of non-timber products are obtained in the restored area? (Please choose more than one option if applicable)

- [ ] Hunting/fishing
- [ ] Mushroom resources
- [ ] Forest fruits production
- [ ] Resin production
- [ ] Cork production
- [ ] Apiculture production
- [ ] Other

Indicate

If the non-timber product obtained in the restored area is related to activities of hunting/fishing (otherwise do not fill in this question)

	SP 1	SP 2	SP 3
P273 Please give the latin name of the species (up to three)			

	Abundance (count per hectare/catches per unit effort) of SP 1	Abundance (count per hectare/catches per unit effort) of SP 2	Abundance (count per hectare/catches per unit effort) of SP 3	Mushroom resources (kg/ha)	Forest fruits production (kg/ha)	Resin production (kg/ha)	Cork production (kg/ha)	Apiculture production (kg of honey/ha)
P274 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select res..	Select res..	Select res..	Select res..	Select res..	Select res..	Select res..	Select res..

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them.

	Abundance (count per hectare/catches per unit effort) of SP 1	Abundance (count per hectare/catches per unit effort) of SP 2	Abundance (count per hectare/catches per unit effort) of SP 3	Mushroom resources (kg/ha)	Forest fruits production (kg/ha)	Resin production (kg/ha)	Cork production (kg/ha)	Apiculture production (kg of honey/ha)
P275 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)								
P276 Year in which this value was measured before the restoration								
P277 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)								
P278 Year in which this value was measured after the restoration								
P279 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)								

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P237 Reference area considered to estimate Hunting/fishing of SP	○	○	○
P238 Reference area considered for the estimation Hunting/fishing of SP	○	○	○
P239 Reference area considered for the estimation Hunting/fishing of SP	○	○	○
P240 Reference area considered for the estimation Mushroom resources (kg/ha)	○	○	○
P258 Reference area considered for the estimation Forest fruits production (kg/ha)	○	○	○
P259 Reference area considered for the estimation Resin production (kg/ha)	○	○	○
P261 Reference area considered for the estimation Cork production (kg/ha)	○	○	○
P262 Reference area considered for the estimation Apiculture production (kg of honey/ha)	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P280 When do you expect the reference value to be reached for SP	○	○	○	○	○	○
P281 When do you expect the reference value to be reached for SP	○	○	○	○	○	○
P282 When do you expect the reference value to be reached for SP	○	○	○	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P295 When do you expect the reference value to be reached for Mushroom resources (kg/ha)?	○	○	○	○	○	○
P296 When do you expect the reference value to be reached for Forest fruits production (kg/ha)?	○	○	○	○	○	○
P297 When do you expect the reference value to be reached for Resin production (kg/ha)?	○	○	○	○	○	○
P298 When do you expect the reference value to be reached for Cork production (kg/ha)?	○	○	○	○	○	○
P299 When do you expect the reference value to be reached for Apiculture production (kg of honey/ha)?	○	○	○	○	○	○

P286 Would propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P287 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P288 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P289 Year in which this value was measured before the restoration	
P290 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P291 Year in which this value was measured after the restoration	
P292 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P293 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P294 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P305

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P306
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: soil loss by area and year (t/ha year), ground vegetation cover (%; number 0-100), area affected by soil erosion (ha).

	Soil loss by area and year (t/ha year)	Ground vegetation cover (%; 0-100)	Area affected by soil erosion (ha)
P307 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

When more than one indicator is shown, please fill in the information for at least one of them

	Soil loss by area and year (t/ha year)	Ground vegetation cover (%; 0-100)	Area affected by soil erosion (ha)
P308 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)			
P309 Year in which this value was measured before the restoration			
P310 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)			
P311 Year in which this value was measured after the restoration			
P312 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)			

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P283 Reference area considered for the estimation of Soil loss by area and year (t/ha/year)	○	○	○
P284 Reference area considered for the estimation of Ground vegetation cover (%, 0-100)	○	○	○
P285 Reference area considered for the estimation of Area affected by soil erosion (ha)	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P300 When do you expect the reference value to be reached for Soil loss by area and year (t/ha year)?	○	○	○	○	○	○
P301 When do you expect the reference value to be reached for Ground vegetation cover (%, 0-100)?	○	○	○	○	○	○
P302 When do you expect the reference value to be reached for Area affected by soil erosion (ha)?	○	○	○	○	○	○

P319 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P320 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P321 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P322 Year in which this value was measured before the restoration	
P323 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P324 Year in which this value was measured after the restoration	
P325 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P326 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P327 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P328

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P329
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Organic matter content of the surface horizon (% of organic matter, 0-100)

	Organic matter content of the surface horizon (% of organic matter, 0-100)
P330 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Organic matter content of the surface horizon (% of organic matter, 0-100)
P331 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P332 Year in which this value was measured before the restoration	
P333 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P334 Year in which this value was measured after the restoration	
P335 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P336 Reference area considered for the estimation of Organic matter content of the surface horizon (% of organic matter, 0-100)

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P337 When do you expect the reference value to be reached for Organic matter content of the surface horizon (% of organic matter, 0-100)?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P338 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P339 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P340 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P341 Year in which this value was measured before the restoration	
P342 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P343 Year in which this value was measured after the restoration	
P344 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P345 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P346 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P347

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P348
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Annual average streamflow (% of rainfall, 0-100), Annual average baseflow (% of rainfall, 0-100), Annual average stormflow (% of rainfall, 0-100)

	Annual average streamflow (% of rainfall, 0-100)	Annual average baseflow (% of rainfall, 0-100)	Annual average stormflow (% of rainfall, 0-100)
P349 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this

reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them.

	Annual average streamflow (% of rainfall, 0-100)	Annual average baseflow (% of rainfall, 0-100)	Annual average stormflow (% of rainfall, 0-100)
P350 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)			
P351 Year in which this value was measured before the restoration			
P352 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)			
P353 Year in which this value was measured after the restoration			
P354 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)			

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P303 Reference area considered for the estimation of Annual average streamflow (% of rainfall, 0-100)	○	○	○
P304 Reference area considered for the estimation of volume of Annual average baseflow (% of rainfall, 0-100)	○	○	○
P313 Reference area considered for the estimation of Annual average stormflow (% of rainfall, 0-100)	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P314 When do you expect the reference value to be reached for Annual average streamflow (% of rainfall, 0-100)?	○	○	○	○	○	○
P315 When do you expect the reference value to be reached for Annual average baseflow (% of rainfall, 0-100)?	○	○	○	○	○	○
P316 When do you expect the reference value to be reached for Annual average stormflow (% of rainfall, 0-100)?	○	○	○	○	○	○

P361 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P362 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P363 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P364 Year in which this value was measured before the restoration	
P365 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P366 Year in which this value was measured after the restoration	
P367 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P368 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P369 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P370

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P371
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Quality of water for human consumption [scale 1-5: (1) Very low, water with high levels of contamination; (2) Low; (3) Medium; (4) High; (5) Very high, drinking water that does not require treatment], Quality of water for the ecosystem [scale 1-5: (1) Very low, aquatic medium incapable of supporting the target ecosystem (the one to be achieved through the restoration); (2) Low; (3) Medium; (4) High; (5) Very high, the water characteristics are ideal for the target ecosystem].

	Quality of water for human consumption (scale 1-5)	Quality of water for the ecosystem (scale 1-5)
P372 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Quality of water for human consumption [1-5: (1) Very low, water with high levels of contamination; Low(2); Medium(3); High(4); (5) Very high, drinking water that does not require treatment]	Quality of water for the ecosystem [1-5: (1) Very low, aquatic medium incapable of supporting the target ecosystem (the one to be achieved through the restoration); Low(2); Medium(3); High(4); (5) Very high, the water characteristics are ideal for the target ecosystem]
P373 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)		
P374 Year in which this value was measured before the restoration		
P375 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)		
P376 Year in which this value was measured after the restoration		
P377 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)		

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P355 When do you expect the reference value to be reached for Quality of water for human consumption?	○	○	○	○	○	○
P356 When do you expect the reference value to be reached for Quality of water for the ecosystem?	○	○	○	○	○	○

P384 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P385 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P386 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P387 Year in which this value was measured before the restoration	
P388 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P389 Year in which this value was measured after the restoration	
P390 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P391 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)

P391 Reference area considered for the estimation of your indicator

- ◯ Other area

P392 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P380

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P383
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Mean peak stormflow (m³/s) of the 10 biggest annual storms, Annual average baseflow (% of rainfall; 0-100),Annual average stormflow (% of rainfall; 0-100).

	Mean peak stormflow (m³/s) of the 10 biggest annual storms	Annual average baseflow (% of rainfall, 0-100)	Annual average stormflow (% of rainfall, 0-100)
P393 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Mean peak stormflow (m³/s) of the 10 biggest annual storms	Annual average baseflow (% of rainfall, 0-100)	Annual average stormflow (% of rainfall, 0-100)
P394 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)			
P395 Year in which this value was measured before the restoration			
P396 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)			
P397 Year in which this value was measured after the restoration			
P398 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)			

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P357 Reference area considered for the estimation of Mean peak stormflow (m³/s) of the 10 biggest annual storms	○	○	○
P358 Reference area considered for the estimation of Annual average baseflow (% of rainfall, 0-100)	○	○	○
P359 Reference area considered for the estimation of Annual average stormflow (% of rainfall, 0-100)	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P360 When do you expect that the reference value will be reached for volume of Mean peak stormflow (m³/s) of the 10 biggest annual storms?	○	○	○	○	○	○
P378 When do you expect that the reference value will be reached for Annual average baseflow (% of rainfall, 0-100)?	○	○	○	○	○	○
P379 When do you expect the reference value to be reached for Annual average stormflow (% of rainfall, 0-100)?	○	○	○	○	○	○

P405 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P406 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P407 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P408 Year in which this value was measured before the restoration	
P409 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P410 Year in which this value was measured after the restoration	
P411 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P412 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P413 When do you expect that the reference value will be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P414

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P415
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Wood yield (m³/ha year) for up to three species, Wood value [scale 1-5: very low(1); low(2); medium(3); high(4); very high(5)], Biomass yield (t/ha year) for up to three species

P107 What kind of timber products are obtained in the restored area?

- ◯ Wood
- ◯ Biomass
- ◯ Wood and biomass

If the objective was wood production

	SP 1	SP 2	SP 3
P416 Indicate the Latin name of the species from which wood is obtained (up to three)			

If the objective was biomass production

	SP 1	SP 2	SP 3
P17 Indicate the Latin name of the species from which biomass is obtained (up to three)			

	Wood yield (m³/ha year) for SP 1	Wood yield (m³/ha year) for SP 2	Wood yield (m³/ha year) for SP 3	Wood value (scale 1-5)	Biomass yield (t/ha year) for SP 1	Biomass yield (t/ha year) for SP 2	Biomass yield (t/ha year) for SP 3
P417 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select respo...	Select respo...	Select respo...	Select respo...	Select respo...	Select respo...	Select respo...

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Wood yield (m³/ha year) for SP 1	Wood yield (m³/ha year) for SP 2	Wood yield (m³/ha year) for SP 3	Wood value (allowed values from 1, very low, to 5, very high)	Biomass yield (t/ha year) for SP 1	Biomass yield (t/ha year) for SP 2	Biomass yield (t/ha year) for SP 3
P418 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)							
P419 Year in which this value was measured before the restoration							
P420 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)							
P421 Year in which this value was measured after the restoration							
P422 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)							

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P381 Reference area considered for the estimation Wood yield (m³/ha year) of SP	○	○	○
P382 Reference area considered for the estimation Wood yield (m³/ha year) of SP	○	○	○
P399 Reference area considered for the estimation Wood yield (m³/ha year) of SP	○	○	○
P400 Reference area considered for the estimation of wood value	○	○	○
P401 Reference area considered for the estimation Biomass yield (t/ha year) of SP	○	○	○
P402 Reference area considered for the estimation Biomass yield (t/ha year) of SP	○	○	○
P403 Reference area considered for the estimation Biomass yield (t/ha year) of SP	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P404 When do you expect the reference value of wood yield to be reached for SP	○	○	○	○	○	○
P423 When do you expect the reference value of wood yield to be reached for SP	○	○	○	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P424 When do you expect the reference value of wood yield to be reached for SP	○	○	○	○	○	○
P425 When do you expect the reference value to be reached for Wood value?	○	○	○	○	○	○
P438 When do you expect the reference value of biomass yield to be reached for SP	○	○	○	○	○	○
P439 When do you expect the reference value of biomass yield to be reached for SP	○	○	○	○	○	○
P440 When do you expect the reference value of biomass yield to be reached for SP	○	○	○	○	○	○

P429 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P430 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P431 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P432 Year in which this value was measured before the restoration	
P433 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P434 Year in which this value was measured after the restoration	
P435 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P436 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P437 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P446

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P447
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Aboveground biomass (kg/ha year)

	Aboveground biomass (kg/ha year)
P448 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Aboveground biomass (kg/ha year)
P449 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P450 Year in which this value was measured before the restoration	
P451 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P452 Year in which this value was measured after the restoration	
P453 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P454 Reference area considered for the estimation of Aboveground biomass (kg/ha year)

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P455 When do you expect the reference value to be reached for Aboveground biomass (kg/ha year)?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P456 Would you propose an alternative indicator for this objective?

- ◯ Yes
- ◯ No

P457 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P458 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P459 Year in which this value was measured before the restoration	
P460 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P461 Year in which this value was measured after the restoration	
P462 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P463 Reference area considered for the estimation of your indicator

- ◯ The entire area of the restoration action
- ◯ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ◯ Other area

P464 When do you expect the reference value to be reached for your indicator?

- ◯ Reached during the restoration action
- ◯ Short term (1-15 years from end of restoration action)
- ◯ Medium term (16-50 years from end of restoration action)
- ◯ Long term (>50 years from end of restoration action)
- ◯ Never (unsuccessful restoration, at least partially)
- ◯ I don´t know

P465

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P466
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Degrees °C temperature reduction for the mean daily maximum temperature for the warmest month, Degrees °C temperature increase for the mean daily minimum temperature for the coldest month

	Degrees °C temperature reduction for the mean daily maximum temperature for the warmest month	Degrees °C temperature increase for the mean daily minimum temperature for the coldest month
P467 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values. When more than one indicator is shown, please fill in the information for at least one of them

	Degrees °C temperature reduction for the mean daily maximum temperature for the warmest month	Degrees °C temperature increase for the mean daily minimum temperature for the coldest month
P468 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)		
P469 Year in which this value was measured before the restoration		
P470 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)		
P471 Year in which this value was measured after the restoration		
P472 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)		

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P426 Reference area considered for the estimation of Degrees °C temperature reduction for the mean daily maximum temperature for the warmest month	○	○	○

	The entire area of the restoration action	The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)	Other area
P427 Reference area considered for the estimation of Degrees °C temperature increase for the mean daily minimum temperature for the coldest month	○	○	○

	Reached during the restoration action	Short term (1-15 years from end of restoration action)	Medium term (16-50 years from end of restoration action)	Long term (>50 years from end of restoration action)	Never (unsuccessful restoration, at least partially)	I don´t know
P428 When do you expect the reference value to be reached for Degrees °C temperature reduction for the mean daily maximum temperature for the warmest month?	○	○	○	○	○	○
P441 When do you expect the reference value to be reached for Degrees °C temperature increase for the mean daily minimum temperature for the coldest month?	○	○	○	○	○	○

P479 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P480 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P481 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P482 Year in which this value was measured before the restoration	
P483 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P484 Year in which this value was measured after the restoration	

	Your indicator
P485 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P486 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P487 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P475

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P478

To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: PM10 absorption (kg/m^2 year)

	PM10 absorption (kg/m² year)

	PM10 absorption (kg/m² year)
P488 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	PM10 absorption (kg/m² year)
P489 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P490 Year in which this value was measured before the restoration	
P491 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P492 Year in which this value was measured after the restoration	
P493 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P494 Reference area considered for the estimation of PM10 absorption (kg/m² year)

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P495 When do you expect the reference value to be reached for PM10 absorption (kg/m² year)?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P496 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P497 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P498 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P499 Year in which this value was measured before the restoration	
P500 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P501 Year in which this value was measured after the restoration	
P502 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P503 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P504 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)

P504 When do you expect the reference value to be reached for your indicator?

- Never (unsuccessful restoration, at least partially)
- I don´t know

P505

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P506
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: improvement of other ecological functions [Scale 1-5: Very low(1); Low(2); Medium(3); High(4); Very high(5)]

	Improvement of other ecological functions (scale 1-5)
P507 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Improvement of other ecological functions (allowed values from 1, very low, to 5, very high)
P211 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P212 Year in which this value was measured before the restoration	
P213 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P214 Year in which this value was measured after the restoration	
P215 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P514 When do you expect the reference value to be reached for Improvement of other ecological functions?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P515 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P516 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P517 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P518 Year in which this value was measured before the restoration	
P519 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P520 Year in which this value was measured after the restoration	
P521 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P522 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P523 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P524

SUCCESS INDICATORS DEPENDING ON THE $ENCUESTA.GETGESTORVISUALIZACION().GETPROPERTYSET().GETSTRING("VARUSER2") OBJECTIVE

In the following questions you will be asked about success indicators depending on the objectives of the restoration action. You will be asked to provide information if available regarding established indicators for each restoration objective but you can also provide information on an indicator which you consider to be more appropriate in each case.

All the following questions will be answered for the Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3")

P525
To measure the results of the restoration for objective $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser3"), the following indicators have been selected: Number of recreational visits from the inhabitants of the surrounding area

Number of recreational visits from the inhabitants of the surrounding area

P526 Do you consider that this metric is adequate to quantify the success of these aims of restoration? Select response

To analyze the success of the restoration we need to know both the values before and after the intervention as well as the reference value. If one of the three values is missing, it will not be possible to analyze the success of the restoration. For this reason, we encourage you to fill in the three values even if they are only approximate where you do not know the exact values.

	Number of recreational visits from the inhabitants of the surrounding area
P527 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P528 Year in which this value was measured before the restoration	
P529 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P530 Year in which this value was measured after the restoration	
P531 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P532 Reference area considered for the estimation of Number of recreational visits from the inhabitants of the surrounding area

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P533 When do you expect the reference value to be reached for Number of recreational visits from the inhabitants of the surrounding area?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P534 Would you propose an alternative indicator for this objective?

- ○ Yes
- ○ No

P535 Can you state and explain the new indicator?

Please indicate the value that your proposed indicator takes according to the following questions

	Your indicator
P536 Value of this indicator before intervention (If you do not know the exact value, please provide one that you consider approximate)	
P537 Year in which this value was measured before the restoration	
P538 Value after intervention (If you do not know the exact value, please provide one that you consider approximate)	
P539 Year in which this value was measured after the restoration	
P540 Estimated reference value for the restoration (target value that is expected to be achieved, at least in the long term, if the restoration is successful)	

P541 Reference area considered for the estimation of your indicator

- ○ The entire area of the restoration action
- ○ The entire area restored to achieve this objective ($encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1")% of the total restored area)
- ○ Other area

P542 When do you expect the reference value to be reached for your indicator?

- ○ Reached during the restoration action
- ○ Short term (1-15 years from end of restoration action)
- ○ Medium term (16-50 years from end of restoration action)
- ○ Long term (>50 years from end of restoration action)
- ○ Never (unsuccessful restoration, at least partially)
- ○ I don´t know

P543
Now we will ask you about qualitative indicators.

P544

SUCCESS INDICATORS DEPENDING ON THE MAIN OBJECTIVES

In the following questions you will be asked about success indicators depending on the objectives of the restoration. You will be asked to provide an assessment through established indicators for each restoration objective but you can also provide information on an indicator which you think is more appropriate.

P689

Please, fill in the table for the $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser1") Aim: $encuesta.getGestorVisualizacion().getPropertySet().getString("varUser2")

P570

Please, now continue with your second aim

P690

Please, now continue with your third aim

	SP 1	SP 2	SP 3
P546 If your restoration is focused on recovering one or more specific species, please give the latin name of the species (up to three)			

	Abundance for SP 1	Abundance for SP 2	Abundance for SP 3	Biodiversity
P545 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response	Select response

P653 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Abundance for SP 1	Abundance for SP 2	Abundance for SP 3	Biodiversity
P548 Perception of the restoration success	Select response	Select response	Select response	Select response

	SP 1	SP 2	SP 3
P550 If your restoration is focused on change in species composition, please give the latin name of the affected species (up to three)			

	Abundance for SP 1	Abundance for SP 2	Abundance for SP 3
P551 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response

P652 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Abundance for SP 1	Abundance for SP 2	Abundance for SP 3
P553 Perception of the restoration success	Select response	Select response	Select response

	Regeneration cover
P556 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P651 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Regeneration cover
P558 Perception of the restoration success	Select response

	Volume of standing and lying deadwood	Structural diversity
P559 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response

P650 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Volume of standing and lying deadwood	Structural diversity
P561 Perception of the restoration success	Select response	Select response

	Microhabitat abundance
P563 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P649 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or

improved the following variable(s)

	Microhabitat abundance
P565 Perception of the restoration success	Select response

	Area occupied by the habitats of interest
P567 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P648 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Area occupied by the habitats of interest
P569 Perception of the restoration success	Select response

	Resilience of the system
P572 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P647 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Resilience of the system

P574 Perception of the restoration success

Select response

Landscape complexity

P576 Do you consider that this metric is adequate to quantify the success of these aims of restoration?

Select response

P646 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

Landscape complexity

P578 Perception of the restoration success

Select response

Landscape connectivity

P580 Do you consider that this metric is adequate to quantify the success of these aims of restoration?

Select response

P645 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

Landscape connectivity

P582 Perception of the restoration success

Select response

P106 What kind of non-timber products are obtained in the restored area? (Please choose more than one option if applicable)

- [ ] Hunting/fishing
- [ ] Mushroom resources
- [ ] Forest fruits production
- [ ] Resin production
- [ ] Cork production
- [ ] Apiculture production
- [ ] Other

Indicate

If the non-timber product obtained in the restored area is related to activities of hunting/fishing (otherwise do not fill in this question)

	SP 1	SP 2	SP 3
P584 Please give the latin name of the hunting/fishing species (up to three)			

	Abundance of SP 1	Abundance of SP 2	Abundance of SP 3	Mushroom resources	Forest fruits production	Resin production	Cork production	Apiculture production
P585 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select res...	Select res...	Select res...	Select res...	Select res...	Select res...	Select res...	Select res...

P644 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Abundance (for hunting/fishing) of SP 1	Abundance (for hunting/fishing) of SP 2	Abundance (for hunting/fishing) of SP 3	Mushroom resources	Forest fruits production	Resin production	Cork production	Apiculture production
P587 Perception of the restoration success	Select res...	Select res...	Select res...	Select res...	Select res...	Select res...	Select res...	Select res...

	Soil loss	Ground vegetation cover	Area affected by soil erosion
P589 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response

P643 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Soil loss	Ground vegetation cover	Area affected by soil erosion
P591 Perception of the restoration success	Select response	Select response	Select response

	Organic matter content of the surface horizon
P593 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P642 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Organic matter content of the surface horizon

P595 Perception of the restoration success	Select response

	Average streamflow (with respect to total rainfall)
P597 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P641 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Average streamflow (with respect to total rainfall)	Average baseflow (with respect to total rainfall)	Average stormflow (with respect to total rainfall)
P599 Perception of the restoration success	Select response	Select response	Select response

	Quality of water for human consumption	Quality of water for the ecosystem
P601 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response

P513 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Quality of water for human consumption	Quality of water for the ecosystem
P603 Perception of the restoration success	Select response	Select response

	Hydrological stability against floods
P605 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P512 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Hydrological stability against floods
P607 Perception of the restoration success	Select response

P108 What kind of timber products are obtained in the restored area?

- ○ Wood
- ○ Biomass
- ○ Wood and biomass

If the objective was wood production

	SP 1	SP 2	SP 3
P609 Indicate the Latin name of the species from which wood is obtained (up to three)			

If the objective was biomass production

	SP 1	SP 2	SP 3
P127 Indicate the Latin name of the species from which biomass is obtained (up to three)			

	Wood yield for SP 1	Wood yield for SP 2	Wood yield for SP 3	Biomass yield for SP 1	Biomass yield for SP 2	Biomass yield for SP 3
P610 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response	Select response	Select response	Select response	Select response	Select response

P511 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Wood yield for SP 1	Wood yield for SP 2	Wood yield for SP 3	Biomass yield for SP 1	Biomass yield for SP 2	Biomass yield for SP 3
P612 Perception of the restoration success	Select response	Select response	Select response	Select response	Select response	Select response

	Aboveground biomass
P614 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P510 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Aboveground biomass
P616 Perception of the restoration success	Select response

	Local climate regulation (damping of extreme temperatures due to the microclimate generated)
P618 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P509 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Local climate regulation (damping of extreme temperatures due to the microclimate generated)
P620 Perception of the restoration success	Select response

	Pollution mitigation
P622 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P508 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Pollution mitigation
P624 Perception of the restoration success	Select response

	Improvement of other ecological functions

	Improvement of other ecological functions
P626 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P477 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Improvement of other ecological functions
P628 Perception of the restoration success	Select response

	Recreational visits from the inhabitants of the surrounding area
P630 Do you consider that this metric is adequate to quantify the success of these aims of restoration?	Select response

P318 If not, please indicate which metric(s) would be more appropriate to assess success in the stated objective (if necessary, describe the proposed metric(s) or indicate a reference)

Please indicate, according to your perception of the success of the restoration, whether the restoration has increased or improved the following variable(s)

	Recreational visits from the inhabitants of the surrounding area
P632 Perception of the restoration success	Select response

P547

COMPATIBILITY AND ECOLOGICAL ASPECTS

How compatible are the following objectives with the restoration?

	Perception of the compatibility of the following objectives with the restoration action
P552 Increase the population of species (e.g. increase the number of individuals of certain plant or animal species by acting directly, through introduction, or indirectly, by acting on habitat conditions) / expanding the distribution of a species	Select response
P557 Change in species composition	Select response
P560 To promote tree/plant regeneration	Select response
P564 Improve structural diversity (gaps, uneven-aged structure, dead wood, large or veteran trees, etc.)	Select response
P568 Increase microhabitat abundance or diversity (tree wounds, tree hollows, etc.)	Select response
P573 Promote habitats of interest (e.g. riparian forests, gaps in the forest that increase biodiversity, areas of dense scrub that serve as a refuge for wildlife, old growth patches, etc.)	Select response
P577 Increase the resilience of the ecosystem (against pests, drought, etc.)	Select response
P581 Increase landscape complexity	Select response
P586 Increase landscape connectivity	Select response
P590 Improve provision of non-timber products	Select response
P594 Erosion protection	Select response
P598 Soil improvement	Select response
P602 Water provisioning (considering both surface water and groundwater)	Select response
P606 Water quality	Select response
P611 Hydrological stability against floods	Select response
P615 Foster wood/biomass production	Select response
P619 CO_2 capture	Select response
P623 Local climate regulation (e. g. cooling)	Select response
P627 Pollution mitigation	Select response
P631 Improvement of other ecological functions not previously mentioned	Select response
P654 Human health & wellbeing	Select response
P655 Social acceptance	Select response
P656 Local acceptance	Select response
P657 Forest aesthetic attractiveness from human perspective	Select response

Perception of the compatibility of the following objectives with the restoration action

P658 Support rural or local livelihood/Job creation	Select response

How much do the following ecological aspects benefit from the restoration? (Scale 1-5; Nothing or very low (1); Low (2); Medium (3); High (4); Very high, similar in this respect to that of an old-growth forest or, similar as in aspired reference system e.g. a historic cultural management system (5); if the pre-restoration ecosystem was similar in this respect to that of an old-growth forest or, in the case of a traditional altered forest, to that of a sustainable managed forest, respond with "Not applicable")

	(1) Very low	(2) Low	(3) Medium	(4) High	(5) Very high	Not applicable	I don´t know
P659 Distribution, abundance and composition of species	○	○	○	○	○	○	○
P660 Structural diversity (presence of strata and age irregularity)	○	○	○	○	○	○	○
P661 Presence of deadwood	○	○	○	○	○	○	○
P662 All functional groups necessary for the continued development and/or stability of the restored ecosystem are represented or, if they are not, the missing groups have the potential to colonize by natural means	○	○	○	○	○	○	○
P663 The physical environment (soil, water, absence of contaminants, etc.) of the restored ecosystem is capable of sustaining reproducing populations of the species necessary for its continued stability or development along the desired trajectory	○	○	○	○	○	○	○
P664 The restored ecosystem apparently functions normally for its ecological stage of development, and signs of dysfunction are absent	○	○	○	○	○	○	○
P665 The restored ecosystem is suitably integrated into a larger ecological matrix or landscape, with which it interacts through abiotic and biotic flows and exchanges	○	○	○	○	○	○	○
P666 Potential threats to the health and integrity of the restored ecosystem from the surrounding landscape have been eliminated	○	○	○	○	○	○	○
P667 Resilience to endure the normal periodic stress events	○	○	○	○	○	○	○
P668 The ecosystem has the potential to persist indefinitely under existing environmental conditions	○	○	○	○	○	○	○

P669
ACTORS INVOLVED IN RESTORATION

P670 What stakeholder groups were most involved in the restoration project? (Please choose more than one option if applicable)

- ☐ National / regional government

P670 What stakeholder groups were most involved in the restoration project? (Please choose more than one option if applicable)

- [ ] Local government
- [ ] Forestry department
- [ ] Forest rangers/forester
- [ ] Companies related to wood extraction/processing/commercialization
- [ ] Forest cooperatives
- [ ] Other private companies with economic interests in the land affected by the restoration
- [ ] NGOs/associations/foundations with non-financial interests
- [ ] Civil society
- [ ] Private sector
- [ ] Landowners (including forest owners)
- [ ] Land managers (including forest managers)
- [ ] Forest owners' association
- [ ] Farmers
- [ ] Ranchers/stockbreeders
- [ ] Other land users
- [ ] Residents of the municipalities in whose territorial demarcation the restoration is being carried out (neighbourhood/local associations or clubs)
- [ ] Residents of the municipalities in whose territorial demarcation the restoration is being carried out (citizens in their individual capacity)
- [ ] Universities/research institutes
- [ ] Others

  Please specify:

- [ ] None

P671 To what extent would you agree with the statement?: It was difficult for us to engage stakeholders

- ○ Strongly Agree (it was difficult to engage stakeholders)
- ○ Agree
- ○ Not sure
- ○ Disagree
- ○ Strongly disagree (it was easy to engage stakeholders)

P671 To what extent would you agree with the statement?: It was difficult for us to engage stakeholders

- ○ Not applicable

P672 To what extent would you agree with the statement?: Stakeholder engagement is a common practice in our country

- ○ Strongly Agree (yes, it is a common practice)
- ○ Agree
- ○ Not sure
- ○ Disagree
- ○ Strongly disagree (no, it is not a common practice)

P673 Describe the degree of stakeholder involvement in the restoration

- ○ Passive (simply informing stakeholders)
- ○ Low (occasional stakeholder involvement)
- ○ Medium [active and continuous participation of some of the stakeholders in at least one phase (design, implementation and monitoring) of the restoration]
- ○ High [active and continuous involvement of the majority of stakeholders in at least one phase (design, implementation and monitoring) of the restoration]
- ○ Very high [active and continuous involvement of the majority of stakeholders in all phases (design, implementation and monitoring) of the restoration]
- ○ Fully active (optimal support and participation; self-management arrangements, profit-sharing, and anticipated succession)
- ○ Not applicable

P674 In which phase of the project was it most difficult to involve stakeholders? (Please choose one or two options if applicable)

- ☐ Design
- ☐ Implementation
- ☐ Monitoring
- ☐ In all of them it was difficult to engage stakeholders
- ☐ In all of them there was high involvement of stakeholders
- ☐ Not applicable

P675 Did any stakeholder interests conflict with one another?

- ○ Yes
- ○ No

P676 What were the main conflicting interests related to? (Please choose more than one option if applicable)

- ☐ Tree species selection
- ☐ Biodiversity conservation
- ☐ Forest management
- ☐ Administrative competencies & decision making
- ☐ Conflicting targets and goals at local/regional, national, international/EU level
- ☐ Rural development
- ☐ Agricultural land-use
- ☐ Financial resources
- ☐ Land-use rights
- ☐ Hunting
- ☐ Local communities
- ☐ Recreation
- ☐ Spiritual/religious values
- ☐ Other

Please specify:

P677 Were there any attempts to resolve these conflicts?

- ○ Yes
- ○ No

P678 Please describe how. Please also indicate the conflict resolution measures tested, specifying which were effective and which were not. Max recommended 150 words.

P679
GOVERNANCE CHALLENGES FOR THE RESTORATION

P680 Were there any governance challenges in the restoration project?

- ○ Yes
- ○ No

P681 If yes, please select which challenges (if any) were present. (Please choose more than one option if applicable)

- ☐ Coordination of administrative bodies at local/regional/national levels
- ☐ Policies/legislation at the international/national/regional level
- ☐ Stakeholder engagement and relations
- ☐ Lack of continued funding from the public administrations
- ☐ Unclear governance
- ☐ Other

Please specify

P682 To what degree did these challenges influence the project implementation? (Please choose more than one option if applicable)

- ☐ Low (without effect)
- ☐ Medium (implementation problems occurred but did not affect or only slightly affected the restoration objectives)
- ☐ High (the restoration objectives were significantly impacted)

P683
COSTS
For planned or unfinished restorations, please indicate expected values.

$propertySet.remove($prop) $propertySet.remove($prop)

P684 What was the average net income/ha year (in €) from goods and services obtained from the restored area before the restoration?

€

$propertySet.remove($prop) $propertySet.remove($prop)

P685 What was the total budget spent for the restoration (in € per year)?

€

P686 If possible please, break down the costs by category:

Cost of planning:		€ per year
Cost of execution:		€ per year
Cost of monitoring:		€ per year
	0	

$propertySet.remove($prop) $propertySet.remove($prop)

P687 What was the average net income/year (in €) from goods and services obtained from the restored area after the restoration?

€

P688

CONGRATULATIONS !

You have completed the first part of the survey. You can now start the next part or continue it later. If you want to start the next part now, please click on the following link:

Click this link

Otherwise, if you prefer to continue it later, please register and store the link in some place in order to use it later on.

https://www.tickstat.com/surveys/visualize?code=cc413502-e1f4-4ce9-8765-0e92a3d14856&id=$encuesta.getEncuestaUser().getUserName()

Thank you

SUPERB
Upscaling Forest Restoration

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036849.

0%

P1

SECOND PART OF THE QUESTIONNAIRE

Thank you very much for your participation. Thanks to your help we will be able to improve future restorations. You have already answered the most important questions in this questionnaire. However, there is still much more information that can be of great value to us in analysing past restorations and improving future ones, and you can help us with this. Would you like to continue answering the rest of the questionnaire? Then click continue. If you would like to leave the questionnaire now, click end. In any case, we are very grateful for your cooperation.

P2 Thank you very much for your cooperation. You have completed the core of the questionnaire, would you like to continue helping us and collaborating with forest restoration in Europe?

- ◯ Yes (continue answering the questionnaire; you can leave it at any time).
- ◯ No

P3
THE RESTORATION ACTION
GENERAL DESCRIPTION (additional questions)

P4 If the restoration action has a website URL, please indicate it

$propertySet.remove($prop) $propertySet.remove($prop)

P5 Restoration end year

P6 Indicate the main source of funding supporting the restoration

- ◯ LIFE (EU)
- ◯ INTERREG (EU)

P6 Indicate the main source of funding supporting the restoration

- ○ Other EU funding
- ○ National administration
- ○ Regional administration
- ○ Local administration
- ○ Public company
- ○ Private company
- ○ NGO
- ○ Foundation
- ○ Association
- ○ Crowdfunding
- ○ Own funding
- ○ Other

Please specify:

$propertySet.remove($prop) $propertySet.remove($prop)

P7 Please specify the amount of funding from this source in EUROS

€

P29 Indicate any co-financing sources supporting the restoration action (Please choose more than one option if applicable)

- ☐ LIFE (EU)
- ☐ INTERREG (EU)
- ☐ Other EU funding
- ☐ National administration
- ☐ Regional administration
- ☐ Local administration
- ☐ Public company
- ☐ Private company
- ☐ NGO
- ☐ Foundation

P29 Indicate any co-financing sources supporting the restoration action (Please choose more than one option if applicable)

- [ ] Association
- [ ] Crowdfunding
- [ ] Own funding
- [ ] Other

Please specify:

$propertySet.remove($prop) $propertySet.remove($prop)

P219 Please specify the total amount of co-funding from this/these source(s) in EUROS

€

P8 Indicate the main institution responsible for the restoration

- ○ National administration
- ○ Regional administration
- ○ Local administration
- ○ Research institute
- ○ Public company
- ○ Private company
- ○ NGO
- ○ Foundation
- ○ Association
- ○ Private landowner
- ○ Other

Please specify:

P9 What was the size (number of workers) of the institution stated above?

- ○ Unipersonal (1 member)

P9 What was the size (number of workers) of the institution stated above?

- ◯ Very small (2-9 members),
- ◯ Small (10-49 members)
- ◯ Medium (50-249 members)
- ◯ Large (>250 members)
- ◯ I don't know/I am not sure

P10

DESCRIPTION OF THE SITE WHERE THE RESTORATION ACTION WAS CARRIED OUT. GENERAL CONSIDERATIONS

P11 Site name

P36

If available, upload the area in a digital geo-referenced format (shapefile, kml, kmz...). Please upload it in a zip file (if there is more than one file) or in a simple file into a folder with the code "$encuesta.getEncuestaUser().getUserName()".

Please, click this link to go the repository where you will be able to upload the file.

P12 If you do not have this file available, draw the approximate area of the restoration action

Search Box

Reset polygon

P13
DESCRIPTION OF THE SITE WHERE THE RESTORATION ACTION WAS CARRIED OUT. BIOTIC AND ABIOTIC CONSIDERATIONS

P220 Was the pre-restoration land use a forest (including temporarily deforested land) (Forest definition)

- ○ Yes
- ○ No

P14 What was the forest habitat category and type prior to restoration? To fill the answer, please begin to write the number of the forest type that most closely matches your restoration. (Example: 4.2 Oak-birch forest)

Please select response

We help you to introduce the value ...

P17 What was the forest management regime before restoration? (Please choose more than one option if applicable)

- ☐ No management (non-intervention)
- ☐ Even-aged management
- ☐ Two-aged stands
- ☐ Uneven-aged management
- ☐ Coppice forest
- ☐ Coppice forest with standards
- ☐ Other

Please specify:

P126
For the area without management (non-intervention) before restoration

P127 Why was there no management in this area before restoration?

- ◯ It is a protected area
- ◯ For other reasons

$propertySet.remove($prop) $propertySet.remove($prop)

P128 What percentage of the area was not managed before restoration?

[ ] % of the total forest area (0-100)

P129
For the area with even-aged management before restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P130 How many years was the rotation length in the even-aged forest before restoration?

[ ] years

$propertySet.remove($prop) $propertySet.remove($prop)

P131 What was the maximal clear-cut/intervention size in the even-aged forest before restoration?

[ ] ha

P132 What was the regeneration system in the even-aged forest before restoration?

- ◯ Clear-cut/planting
- ◯ Shelterwood
- ◯ Strip felling
- ◯ Other

Please specify

[ ]

$propertySet.remove($prop) $propertySet.remove($prop)

P133 This management regime was used before restoration in a percentage (0-100) of the total forest area of

[ ]

%

P185
For the area with two-aged stands before restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P186 How many years was the rotation length in the two-aged stands before restoration?

years

$propertySet.remove($prop) $propertySet.remove($prop)

P187 What was the maximal canopy opening in the two-aged stands before restoration?

ha

$propertySet.remove($prop) $propertySet.remove($prop)

P188 This management regime was used before restoration in a percentage (0-100) of the total forest area of

%

P189
For the area with uneven-aged management before restoration

P190 What was the cutting method implemented in the uneven-aged stands before restoration?

- Single-tree selection system
- Gap or group-selection system
- Shelterwood system
- Other
  please specify

$propertySet.remove($prop) $propertySet.remove($prop)

P191 This management regime was used before restoration in a percentage (0-100) of the total forest area of

%

P192
For the area with coppice forest management before restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P193 This management regime was used before restoration in a percentage (0-100) of the total forest area of

%

P194
For the area with coppice forest with standards management regime before restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P195 This management regime was used before restoration in a percentage (0-100) of the total forest area of

%

P196
For other management regimes before restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P197 This management regime was used before restoration in a percentage (0-100) of the total forest area of

%

P15 Indicate the main topographic characteristics of the site where restoration was carried out

- Slope
- Valley
- Plain
- Floodplain

P16

DESCRIPTION OF THE SITE WHERE THE RESTORATION ACTION WAS CARRIED OUT. LEGAL CONSIDERATIONS

P18 Indicate the conservation status prior to restoration. (Please choose more than one option if applicable)

- ○ National park
- ○ Regional park
- ○ Nature reserve
- ○ Special Protection Areas under the Birds Directive (Natura 2000)
- ○ Sites of Community Importance (Natura 2000)
- ○ Special Areas of Conservation (Natura 2000)
- ○ RAMSAR site (Wetlands of International Importance)
- ○ Other protection

  Please specify:
- ○ No protection

P19 What is the legal tenure of the land? (Please choose more than one option if applicable)

- ☐ Public: public company
- ☐ Public: local administration
- ☐ Public: regional or national administration
- ☐ Private: association
- ☐ Private: cooperative
- ☐ Private: large landowners (>100 ha)
- ☐ Private: smallholder (<100 ha)
- ☐ Private: large company (>50 employees)
- ☐ Private: small company (<50 employees)
- ☐ Private: foreign actor
- ☐ Other

  Please, specify:

P19 What is the legal tenure of the land? (Please choose more than one option if applicable)

P20
RESTORATION OBJECTIVES (additional questions)

P21 Has a reference ecosystem been used as a target model for planning this restoration action, and/or subsequently for its evaluation?

- ◯ Yes
- ◯ No

P22 Please specify ecosystem type and origin of the reference (existing ecosystems, literature reference, etc.)

P23 Which attributes of structure, composition and functions have been considered to define the reference model (e.g., basal area, tree species composition, productivity of a certain species, etc.)?

P24 Was social acceptance of the restoration action taken into account in the planning?

- ◯ Yes, acceptance by society was sought.
- ◯ Yes, acceptance by society and in particular by the local population (of the municipalities affected by the restoration) was sought.
- ◯ No, it was not considered important.

P25
RESTORATION ACTIVITIES (additional questions)
This section requests information on the restoration activities carried out. If restoration has not yet taken place, please respond according to the restoration activities that are planned or underway.

P26 Has there been a change in the long-term forest management regime as a measure included in the restoration action?

- ○ No change with respect to the situation prior to restoration
- ○ Yes

P27 In that case, what is the long-term forest management regime after restoration? (Please choose more than one option if applicable)

- ☐ No management (non-intervention)
- ☐ Even-aged management
- ☐ Two-aged stands
- ☐ Uneven-aged management
- ☐ Coppice forest
- ☐ Coppice forest with standards
- ☐ Other

Please specify:

P198
For the area without management (non-intervention) after restoration

P199 Why is there no management in this area after restoration?

- ○ It is a protected area
- ○ For other reasons

$propertySet.remove($prop) $propertySet.remove($prop)

P200 In what percentage of the area is no management applied after restoration?

_____ % of the total forest area (0-100)

P201
For the area with even-aged management after restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P202 How many years is the rotation length in the even-aged forest after restoration?

years

$propertySet.remove($prop) $propertySet.remove($prop)

P203 What is the maximal clear-cut/intervention size in the even-aged forest after restoration?

ha

P204 What is the regeneration system in the even-aged forest after restoration?

- Clear-cut/planting
- Shelterwood
- Strip felling
- Other,
  please specify

$propertySet.remove($prop) $propertySet.remove($prop)

P205 This management regime is used after restoration in a percentage (0-100) of the total forest area of

%

P206
For the area in which the management regime after restoration is aimed at obtaining two-aged stands

$propertySet.remove($prop) $propertySet.remove($prop)

P207 How many years is the rotation length in the two-aged stands after restoration?

years

$propertySet.remove($prop) $propertySet.remove($prop)

P208 What is the maximal canopy opening in the two-aged stands after restoration?

ha

$propertySet.remove($prop) $propertySet.remove($prop)

P209 This management regime is used after restoration in a percentage (0-100) of the total forest area of

%

P210
For the area with uneven-aged management after restoration

P211 What is the cutting method implemented in the uneven-aged stands after restoration?

- Single-tree selection system
- Gap or group-selection system
- Shelterwood system
- Other
  please specify

$propertySet.remove($prop) $propertySet.remove($prop)

P212 This management regime is used after restoration in a percentage (0-100) of the total forest area of

%

P213
For the area with coppice forest management after restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P214 This management regime is used after restoration in a percentage (0-100) of the total forest area of

%

P215
For the area with coppice forest with standards management after restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P216 This management regime is used after restoration in a percentage (0-100) of the total forest area of

%

P217
For other management regimes after restoration

$propertySet.remove($prop) $propertySet.remove($prop)

P218 This management regime is used after restoration in a percentage (0-100) of the total forest area of

%

P28 Has the conservation status changed as a measure included in the restoration action?

- No change with respect to the situation prior to restoration
- Yes.

P30 In that case, what is the new conservation status of the restored area? (Please choose more than one option if applicable)

- National park
- Regional park
- Nature reserve
- Special Protection Areas under the Birds Directive (Natura 2000)
- Sites of Community Importance (Natura 2000)
- Special Areas of Conservation (Natura 2000)
- RAMSAR site (Wetlands of International Importance)
- Other protection

Please specify:

P30 In that case, what is the new conservation status of the restored area? (Please choose more than one option if applicable)

- [ ] No protection

P31 Are restoration activities targeted at one or several specific species?

- [ ] No, restoration is directed to the ecosystem in general and to all the species that are part of it.
- [ ] Yes, the restoration is focused on one or several species.

P32 In that case, please indicate the name of the target species in Latin (if there is more than one target species put them in order of importance, from most to least)

P33 What was the reason for the species selection? (Please choose more than one option if applicable)

- [ ] Critically endangered (according to IUCN red list)
- [ ] Endangered (according to IUCN red list)
- [ ] Vulnerable (according to IUCN red list)
- [ ] Specialist species
- [ ] Umbrella species
- [ ] IUCN red list species
- [ ] Contributes to the recovery (or population increase) of other species (nurse species)
- [ ] Adaptation to current environmental site conditions
- [ ] Adaptation to future (under climate change) environmental site conditions
- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased ecosystem resilience
- [ ] Rapid growth
- [ ] Value of timber
- [ ] Value of meat

P33 What was the reason for the species selection? (Please choose more than one option if applicable)

- [ ] Value of other products (firewood, nuts, resin, etc.)
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. Pests)
- [ ] Fire-prevention (e.g. By grazing)
- [ ] Cultural reasons

Please specify

- [ ] Others

Please specify

P34 Have animal or plant species (e.g., seeds) been introduced in the restoration area? (Consider species that were not present in the area as well as species that were already present, but of which new individuals have been introduced) (Please choose more than one option if applicable)

- [ ] Yes, animals
- [ ] Yes, trees
- [ ] Yes, shrubs
- [ ] Yes, others

please add

- [ ] No

P35

ANIMAL ESTABLISHMENT

This section requests information on the restoration activities carried out. If restoration has not yet taken place, please respond according to the restoration activities that are planned or underway.

	Main species (SP1)	Second species (SP2)	Third species (SP3)	Other species
P221 Write the latin name of the animal species introduced (please, put them in order of importance, from most to least)				

P40

For the main species (), please answer the following questions.

$propertySet.remove($prop) $propertySet.remove($prop)

P41 Number of specimens per ha introduced (density) of the indicated species

individuals/ha

$propertySet.remove($prop) $propertySet.remove($prop)

P42 Total area in which the introduction has taken place

ha

P43 Techniques used for the introduction of the main species

- The species introduced is wild and has been translocated from the wild
- The species introduced is wild but has been bred in captivity
- The species introduced comes from a zoo
- Others

Please specify

P44 What was the reason for the species selection? (Please choose more than one option if applicable)

- Critically endangered (according to IUCN red list)
- Endangered (according to IUCN red list)
- Vulnerable (according to IUCN red list)
- Specialist species
- Umbrella species
- IUCN red list species
- Contributes to the recovery (or population increase) of other species (nurse species)
- Adaptation to current environmental site conditions
- Adaptation to future (under climate change) environmental site conditions

P44 What was the reason for the species selection? (Please choose more than one option if applicable)

- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased biodiversity by introducing a species that is absent or present at low density
- [ ] Increased ecosystem resilience
- [ ] Value of meat
- [ ] Value of other products (trophy, etc.)
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. Pests)
- [ ] Fire-prevention (e.g. By grazing)
- [ ] Cultural reasons

  Please specify

- [ ] Others

  Please specify

P45 Has the origin of the introduced species been taken into account?

- ○ Yes, the species comes from the closest area in which that species is present and/or the most suitable origin for the restoration site has been selected
- ○ Yes, the species comes from a nearby, suitable area but it is not the closest one or where the species would be best adapted
- ○ The species comes from a different provenance for climate change adaptation purposes (assisted migration)
- ○ The source area has not been taken into account

P46 Is it a native species?

- ○ Yes, it is native at local scale
- ○ Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- ○ No, it is non-native

P47 Is it endemic?

- ○ Yes, at local scale
- ○ Yes, at regional scale
- ○ Yes, at national scale
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P48 Please indicate the survival rate of the species introduced (0-100)

[ ] %

P49 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ○ Very vigorous, with absence of diseases or pests
- ○ Vigorous
- ○ With symptoms of decay
- ○ Generalized decay (low reproduction for this species and site conditions, abundance of diseases or pests, etc.)

P51 Is there an economic benefit associated with the introduction of this species?

- ○ Yes
  Please specify
  [ ]
- ○ No

P52 **For the second species (), could you answer the same questions as for the main one?**

- ○ Yes
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P53 Number of specimens per ha introduced (density) of the indicated species

[ ] individuals/ha

$propertySet.remove($prop) $propertySet.remove($prop)

P54 Total area in which the introduction has taken place

ha

P55 Techniques used for the introduction of the main species

- ○ The species introduced is wild and has been translocated from the wild
- ○ The species introduced is wild but has been bred in captivity
- ○ The species introduced comes from a zoo
- ○ Others

Please specify

P56 What was the reason for the species selection? (Please choose more than one option if applicable)

- ☐ Critically endangered (according to IUCN red list)
- ☐ Endangered (according to IUCN red list)
- ☐ Vulnerable (according to IUCN red list)
- ☐ Specialist species
- ☐ Umbrella species
- ☐ IUCN red list species
- ☐ Contributes to the recovery (or population increase) of other species (nurse species)
- ☐ Adaptation to current environmental site conditions
- ☐ Adaptation to future (under climate change) environmental site conditions
- ☐ Increase or densify the population
- ☐ Recovery of lost ecological functions
- ☐ Increased biodiversity by introducing a species that is absent or present at low density
- ☐ Increased ecosystem resilience
- ☐ Value of meat
- ☐ Value of other products (trophy, etc.)

P56 What was the reason for the species selection? (Please choose more than one option if applicable)

- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. Pests)
- [ ] Fire-prevention (e.g. By grazing)
- [ ] Cultural reasons

Please specify

- [ ] Others

Please specify

P57 Has the origin of the introduced species been taken into account?

- ○ Yes, the species comes from the closest area in which that species is present and/or the most suitable origin for the restoration site has been selected
- ○ Yes, the species comes from a nearby, suitable area but it is not the closest one or where the species would be best adapted
- ○ The species comes from a different provenance for climate change adaptation purposes (assisted migration)
- ○ The source area has not been taken into account

P58 Is it a native species?

- ○ Yes, it is native at local scale
- ○ Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- ○ No, it is non-native

P59 Is it endemic?

- ○ Yes, at local scale
- ○ Yes, at regional scale
- ○ Yes, at national scale
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P60 Please indicate the survival rate (0-100) of the species introduced

%

P61 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- Very vigorous. With absence of diseases or pests
- Vigorous
- With symptoms of decay
- Generalized decay (low reproduction for this species and site conditions, abundance of diseases or pests, etc.)

P63 Is there an economic benefit associated with the introduction of this species?

- Yes
  Please specify
- No

P64 **For the third species (), could you answer the same questions as for the main one?**

- Yes
- No

$propertySet.remove($prop) $propertySet.remove($prop)

P65 Number of specimens per ha introduced (density) of the indicated species

individuals/ha

$propertySet.remove($prop) $propertySet.remove($prop)

P66 Total area in which the introduction has taken place

ha

P67 Techniques used for the introduction of the main species

- ○ The species introduced is wild and has been translocated from the wild
- ○ The species introduced is wild but has been bred in captivity
- ○ The species introduced comes from a zoo
- ○ Others

Please specify

P68 What was the reason for the species selection? (Please choose more than one option if applicable)

- ☐ Critically endangered (according to IUCN red list)
- ☐ Endangered (according to IUCN red list)
- ☐ Vulnerable (according to IUCN red list)
- ☐ Specialist species
- ☐ Umbrella species
- ☐ IUCN red list species
- ☐ Contributes to the recovery (or population increase) of other species (nurse species)
- ☐ Adaptation to current environmental site conditions
- ☐ Adaptation to future (under climate change) environmental site conditions
- ☐ Increase or densify the population
- ☐ Recovery of lost ecological functions
- ☐ Increased biodiversity by introducing a species that is absent or present at low density
- ☐ Increased ecosystem resilience
- ☐ Value of meat
- ☐ Value of other products (trophy, etc.)
- ☐ Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- ☐ Control of other species (e.g. pests)
- ☐ Fire-prevention (e.g. by grazing)
- ☐ Cultural reasons

Please specify

P68 What was the reason for the species selection? (Please choose more than one option if applicable)

- [ ] Others

Please specify

P69 Has the origin of the introduced species been taken into account?

- ○ Yes, the species comes from the closest area in which that species is present and/or the most suitable origin for the restoration site has been selected
- ○ Yes, the species comes from a nearby, suitable area but it is not the closest one or where the species would be best adapted
- ○ The species comes from a different provenance for climate change adaptation purposes (assisted migration)
- ○ The source area has not been taken into account

P70 Is it a native species?

- ○ Yes, it is native at local scale
- ○ Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- ○ No, it is non-native

P71 Is it endemic?

- ○ Yes, at local scale
- ○ Yes, at regional scale
- ○ Yes, at national scale
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P72 Please indicate the survival rate (0-100) of the species introduced

%

P73 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ○ Very vigorous. With absence of diseases or pests

P73 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ○ Vigorous
- ○ With symptoms of decay
- ○ Generalized decay (low reproduction for this species and site conditions, abundance of diseases or pests, etc.)

P75 Is there an economic benefit associated with the introduction of this species?

- ○ Yes
  Please specify
- ○ No

P76
TREE ESTABLISHMENT
This section requests information on the restoration activities carried out. If restoration has not yet taken place, please respond according to the restoration activities that are planned or underway.

	Main species (SP 1)	Second species (SP 2)	Third species (SP 3)	Other species
P224 Write the latin name of the tree species introduced (please, put them in order of importance, from most to least)				

P81
For the main species (), please answer the following questions.

$propertySet.remove($prop) $propertySet.remove($prop)

P82 Number of individuals per hectare planted/sown (density)

_____ individuals/ha

$propertySet.remove($prop) $propertySet.remove($prop)

P83 Total area in which the introduction has taken place

_____ ha

P84 Which were the silvicultural techniques and protection measures used for its establishment? (Please choose more than one option if applicable)

- [ ] Seeding
- [ ] Planting
- [ ] Underplanting (under existing canopy)
- [ ] Complete felling of overstorey
- [ ] Partial felling of overstorey
- [ ] Weeding
- [ ] Manual or mechanized clearing of ground vegetation
- [ ] Clearing of ground vegetation with herbicides
- [ ] Clearing through burning of ground vegetation
- [ ] Stump removal of previous trees
- [ ] Superficial soil preparation (0-20 cm)
- [ ] Soil preparation with an average depth (20-40 cm)
- [ ] Soil preparation with deep ploughing (>40 cm)
- [ ] Soil preparation with ridging
- [ ] Soil preparation through subsoiling with ripper
- [ ] Soil preparation through bulldozer scalping
- [ ] Soil preparation with terracing
- [ ] Soil preparation through tillage
- [ ] Patch-wise soil preparation (only at the points where each plant/seed is planted/sown)
- [ ] Strip-wise soil preparation (e.g. planting lines)
- [ ] Complete soil preparation
- [ ] Hydrological corrections (dams or other erosion abatement elements)
- [ ] Area fencing
- [ ] Protection of individual trees with mesh protectors
- [ ] Protection of individual trees with tubes
- [ ] Use of protecting plants (e.g. planting several trees in one spot)
- [ ] Increased hunting
- [ ] Replacement of dead seedlings
- [ ] Other

P84 Which were the silvicultural techniques and protection measures used for its establishment? (Please choose more than one option if applicable)

Please specify

P85 What was the reason for the tree species selection? (Please choose more than one option if applicable)

- [ ] Critically endangered (according to IUCN red list)
- [ ] Endangered (according to IUCN red list)
- [ ] Vulnerable species (according to IUCN red list)
- [ ] Specialist species
- [ ] Umbrella species
- [ ] IUCN red list species
- [ ] Contributes to the recovery (or population increase) of other species (nurse species)
- [ ] Adaptation to current environmental site conditions
- [ ] Adaptation to future (under climate change) environmental site conditions
- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased biodiversity by introducing a species that is absent or present at low density.
- [ ] Increased ecosystem resilience
- [ ] Rapid growth
- [ ] Value of timber
- [ ] Value of other products (firewood, nuts, resin, etc.)
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. invasive species)
- [ ] Cultural reasons

  Please specify

- [ ] Others

  Please specify

P86 Was the provenance area of the species introduced taken into account?

- ◯ Yes, the reproductive material is from the same provenance and is currently the most suitable for the restoration site selected
- ◯ Yes, the reproductive material is from the provenance but the selected area is not the closest one
- ◯ The species comes from a different provenance for climate change adaptation purposes (assisted migration)
- ◯ The provenance has not been taken into account

P87 Are the seedlings/seeds introduced certified?

- ◯ Yes
- ◯ No

P88 Is it a native species?

- ◯ Yes, it is native at local scale
- ◯ Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- ◯ No, it is non-native

P89 Is it endemic?

- ◯ Yes, at local scale
- ◯ Yes, at regional scale
- ◯ Yes, at national scale
- ◯ No

P90 Which was the dominant species (latin name if possible) present before restoration in the area where this species was introduced?

$propertySet.remove($prop) $propertySet.remove($prop)

P91 Please indicate the survival rate (0-100) of the species introduced:

%

P92 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- Very vigorous (strong growth for the site conditions, absence of diseases or pests)
- Vigorous
- With symptoms of decay
- Generalized decay (low growth for the site conditions, abundance of diseases or pests, etc.)

P93 Is there an economic benefit associated with the introduction of this species?

- Yes
- No

P94 **For the second species (), could you answer the same questions as for the main one?**

- Yes
- No

$propertySet.remove($prop) $propertySet.remove($prop)

P95 Number of individuals per hectare planted/sown (density)

individuals/ha

$propertySet.remove($prop) $propertySet.remove($prop)

P96 Total area in which the introduction has taken place

ha

P97 Which were the silvicultural techniques and protection measures used for its establishment? (Please choose more than one option if applicable)

- Seeding

P97 Which were the silvicultural techniques and protection measures used for its establishment? (Please choose more than one option if applicable)

- [ ] Planting
- [ ] Underplanting (under existing canopy)
- [ ] Complete felling of overstorey
- [ ] Partial felling of overstorey
- [ ] Weeding
- [ ] Manual or mechanized clearing of ground vegetation
- [ ] Clearing of ground vegetation with herbicides
- [ ] Clearing through burning of ground vegetation
- [ ] Stump removal of previous trees
- [ ] Superficial soil preparation (0-20 cm)
- [ ] Soil preparation with an average depth (20-40 cm)
- [ ] Soil preparation with deep ploughing (>40 cm)
- [ ] Soil preparation with ridging
- [ ] Soil preparation through subsoiling with ripper
- [ ] Soil preparation through bulldozer scalping
- [ ] Soil preparation with terracing
- [ ] Soil preparation through tillage
- [ ] Patch-wise soil preparation (only at the points where each plant/seed is planted/sown)
- [ ] Strip-wise soil preparation (e.g. planting lines)
- [ ] Complete soil preparation
- [ ] Hydrological corrections (dams or other erosion abatement elements)
- [ ] Area fencing
- [ ] Protection of individual trees with mesh protectors
- [ ] Protection of individual trees with tubes
- [ ] Use of protecting plants (e.g. planting several trees in one spot)
- [ ] Increased hunting
- [ ] Replacement of dead seedlings
- [ ] Other

Please specify

P97 Which were the silvicultural techniques and protection measures used for its establishment? (Please choose more than one option if applicable)

P98 What was the reason for the tree species selection? (Please choose more than one option if applicable)

- [ ] Critically endangered (according to IUCN red list)
- [ ] Endangered (according to IUCN red list)
- [ ] Vulnerable species (according to IUCN red list)
- [ ] Specialist species
- [ ] Umbrella species
- [ ] IUCN red list species
- [ ] Contributes to the recovery (or population increase) of other species (nurse species)
- [ ] Adaptation to current environmental site conditions
- [ ] Adaptation to future (under climate change) environmental site conditions
- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased biodiversity by introducing a species that is absent or present at low density.
- [ ] Increased ecosystem resilience
- [ ] Rapid growth
- [ ] Value of timber
- [ ] Value of other products (firewood, nuts, resin, etc.)
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. invasive species)
- [ ] Cultural reasons

  Please specify

- [ ] Others

  Please specify

P99 Was the provenance area of the species introduced taken into account?

- ○ Yes, the reproductive material is from the same provenance and is currently the most suitable for the restoration site selected
- ○ Yes, the reproductive material is from the provenance but the selected area is not the closest one
- ○ The species comes from a different provenance for climate change adaptation purposes (assisted migration)
- ○ The provenance has not been taken into account

P100 Are the seedlings/seeds introduced certified?

- ○ Yes
- ○ No

P101 Is it a native species?

- ○ Yes, it is native at local scale
- ○ Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- ○ No, it is non-native

P102 Is it endemic?

- ○ Yes, at local scale
- ○ Yes, at regional scale
- ○ Yes, at national scale
- ○ No

P103 Which was the dominant species (latin name if possible) present before restoration in the area where this species was introduced?

$propertySet.remove($prop) $propertySet.remove($prop)

P104 Please indicate the survival rate (0-100) of the species introduced

_____ %

P105 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ○ Very vigorous (strong growth for the site conditions, absence of diseases or pests)
- ○ Vigorous
- ○ With symptoms of decay
- ○ Generalized decay (low growth for the site conditions, abundance of diseases or pests, etc.)

P106 Is there an economic benefit associated with the introduction of this species?

- ○ Yes
- ○ No

P107 **For the third species (), could you answer the same questions as for the main one?**

- ○ Yes
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P108 Number of individuals per hectare planted/sown (density)

_____ individuals/ha

$propertySet.remove($prop) $propertySet.remove($prop)

P109 Total area in which the introduction has taken place

_____ ha

P110 Which were the silvicultural techniques and protection measures used for its establishment? (Please choose more than one option if applicable)

- ☐ Seeding
- ☐ Planting
- ☐ Underplanting (under existing canopy)

P110 Which were the silvicultural techniques and protection measures used for its establishment? (Please choose more than one option if applicable)

- [ ] Complete felling of overstorey
- [ ] Partial felling of overstorey
- [ ] Weeding
- [ ] Manual or mechanized clearing of ground vegetation
- [ ] Clearing of ground vegetation with herbicides
- [ ] Clearing through burning of ground vegetation
- [ ] Stump removal of previous trees
- [ ] Superficial soil preparation (0-20 cm)
- [ ] Soil preparation with an average depth (20-40 cm)
- [ ] Soil preparation with deep ploughing (>40 cm)
- [ ] Soil preparation with ridging
- [ ] Soil preparation through subsoiling with ripper
- [ ] Soil preparation through bulldozer scalping
- [ ] Soil preparation with terracing
- [ ] Soil preparation through tillage
- [ ] Patch-wise soil preparation (only at the points where each plant/seed is planted/sown)
- [ ] Strip-wise soil preparation (e.g. planting lines)
- [ ] Complete soil preparation
- [ ] Hydrological corrections (dams or other erosion abatement elements)
- [ ] Area fencing
- [ ] Protection of individual trees with mesh protectors
- [ ] Protection of individual trees with tubes
- [ ] Use of protecting plants (e.g. planting several trees in one spot)
- [ ] Increased hunting
- [ ] Replacement of dead seedlings
- [ ] Other

Please specify

P111 What was the reason for the tree species selection? (Please choose more than one option if applicable)

- [ ] Critically endangered (according to IUCN red list)
- [ ] Endangered (according to IUCN red list)
- [ ] Vulnerable species (according to IUCN red list)
- [ ] Specialist species
- [ ] Umbrella species
- [ ] IUCN red list species
- [ ] Contributes to the recovery (or population increase) of other species (nurse species)
- [ ] Adaptation to current environmental site conditions
- [ ] Adaptation to future (under climate change) environmental site conditions
- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased biodiversity by introducing a species that is absent or present at low density.
- [ ] Increased ecosystem resilience
- [ ] Rapid growth
- [ ] Value of timber
- [ ] Value of other products (firewood, nuts, resin, etc.)
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. invasive species)
- [ ] Cultural reasons

  Please specify
- [ ] Others

  Please specify

P112 Was the provenance area of the species introduced taken into account?

- ○ Yes, the reproductive material is from the same provenance and is currently the most suitable for the restoration site selected
- ○ Yes, the reproductive material is from the provenance but the selected area is not the closest one
- ○ The species comes from a different provenance for climate change adaptation purposes (assisted migration)
- ○ The provenance has not been taken into account

P112 Was the provenance area of the species introduced taken into account?

P113 Are the seedlings/seeds introduced certified?

- Yes
- No

P114 Is it a native species?

- Yes, it is native at local scale
- Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- No, it is non-native

P115 Is it endemic?

- Yes, at local scale
- Yes, at regional scale
- Yes, at national scale
- No

P116 Which was the dominant species (latin name if possible) present before restoration in the area where this species was introduced?

$propertySet.remove($prop) $propertySet.remove($prop)

P117 Please indicate the survival rate (0-100) of the species introduced

%

P118 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ○ Very vigorous (strong growth for the site conditions, absence of diseases or pests)
- ○ Vigorous
- ○ With symptoms of decay
- ○ Generalized decay (strong growth for the site conditions, absence of diseases or pests)

P119 Is there an economic benefit associated with the introduction of this species?

- ○ Yes
- ○ No

P120

SHRUB ESTABLISHMENT

This section requests information on the restoration activities carried out. If restoration has not yet taken place, please respond according to the restoration activities that are planned or underway.

	Main species (SP 1)	Second species (SP 2)	Third species (SP 3)	Other species
P227 Write the latin name of the shrub species introduced (please, put them in order of importance, from most to least)				

P125

For the main species (), please answer the following questions.

$propertySet.remove($prop) $propertySet.remove($prop)

P134 Number of individuals per ha introduced (density) of the indicated species:

_____ (individuals/ha)

$propertySet.remove($prop) $propertySet.remove($prop)

P135 Total area in which the introduction has taken place

_____ (ha)

P136 Which were the cultural techniques used for its introduction? (Please choose more than one option if applicable)

- [ ] Seeding
- [ ] Planting
- [ ] Underplanting (under existing canopy)
- [ ] Complete felling of overstorey
- [ ] Partial felling of overstorey
- [ ] Weeding
- [ ] Manual or mechanized clearing of ground vegetation
- [ ] Clearing of pre-ground vegetation with herbicides
- [ ] Clearing through burning of pre-ground vegetation
- [ ] Stump removal of previous trees
- [ ] Superficial soil preparation (0-20 cm)
- [ ] Soil preparation with an average depth (20-40 cm)
- [ ] Soil preparation with deep ploughing (>40 cm)
- [ ] Soil preparation with ridging
- [ ] Soil preparation through subsoiling with ripper
- [ ] Soil preparation through bulldozer scalping
- [ ] Soil preparation with terracing
- [ ] Soil preparation through tillage
- [ ] Patch-wise soil preparation (only at the points where each plant/seed is planted/sown)
- [ ] Strip-wise soil preparation (e.g. planting lines)
- [ ] Complete soil preparation
- [ ] Hydrological corrections (dams or other erosion abatement elements)
- [ ] Area fencing
- [ ] Protection of individuals with flexible mesh protectors
- [ ] Protection of individuals with rigid tubes
- [ ] Use of plastic or biodegradable casing
- [ ] Use of protecting plants (e.g. planting several species in one spot)
- [ ] Increased hunting
- [ ] Replacement of dead seedlings
- [ ] Other

Please specify

P136 Which were the cultural techniques used for its introduction? (Please choose more than one option if applicable)

P137 What was the reason for its selection? (Please choose more than one option if applicable)

- [ ] Critically endangered (according to IUCN red list)
- [ ] Endangered (according to IUCN red list)
- [ ] Vulnerable (according to IUCN red list)
- [ ] Specialist species
- [ ] Umbrella species
- [ ] IUCN red list species
- [ ] Contributes to the recovery (or population increase) of other species (nurse species)
- [ ] Adaptation to current environmental site conditions
- [ ] Adaptation to future (under climate change) environmental site conditions
- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased biodiversity by introducing a species that is absent or present at low density
- [ ] Increased ecosystem resilience
- [ ] Economic value
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. invasive species)
- [ ] Availability of seeds or seedlings
- [ ] Cultural reasons

  Please specify

- [ ] Others

  Please specify

P138 Was the origin of the introduced species taken into account?

- ( ) Yes, the species comes from the closest area in which that species is present and/or the most suitable origin for the restoration site has been selected

P138 Was the origin of the introduced species taken into account?

- Yes, the species comes from a nearby, suitable area but it is not the closest one or where the species would be best adapted
- The species comes from a different area for climate change adaptation purposes (assisted migration)
- The source area has not been taken into account

P139 Are the seedlings/seeds introduced certified?

- Yes
- No

P140 Is it a native species?

- Yes, it is native at local scale
- Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- No, it is non-native

P141 Is it endemic?

- Yes, at local scale
- Yes, at regional scale
- Yes, at national scale
- No

P142 Which was the dominant species (latin name if possible) present before restoration in the area where this species was introduced?

$propertySet.remove($prop) $propertySet.remove($prop)

P143 Please indicate the survival rate (0-100) of the species introduced

%

P144 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ○ Very vigorous (strong growth for the site conditions, absence of diseases or pests)
- ○ Vigorous
- ○ With symptoms of decay
- ○ Generalized decay (strong growth for the site conditions, absence of diseases or pests)

P145 Is there an economic benefit associated with the introduction of this species?

- ○ Yes
- ○ No

P146 **For the second species (), could you answer the same questions as for the main one?**

- ○ Yes
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P147 Number of individuals per ha introduced (density) of the indicated species:

_____ (individuals/ha)

$propertySet.remove($prop) $propertySet.remove($prop)

P148 Total area in which the introduction has taken place

_____ (ha)

P149 Which were the cultural techniques used for its introduction? (Please choose more than one option if applicable)

- ☐ Seeding
- ☐ Planting
- ☐ Underplanting (under existing canopy)
- ☐ Complete felling of overstorey

P149 Which were the cultural techniques used for its introduction? (Please choose more than one option if applicable)

- [ ] Partial felling of overstorey
- [ ] Weeding
- [ ] Manual or mechanized clearing of ground vegetation
- [ ] Clearing of pre-ground vegetation with herbicides
- [ ] Clearing through burning of pre-ground vegetation
- [ ] Stump removal of previous trees
- [ ] Superficial soil preparation (0-20 cm)
- [ ] Soil preparation with an average depth (20-40 cm)
- [ ] Soil preparation with deep ploughing (>40 cm)
- [ ] Soil preparation with ridging
- [ ] Soil preparation through subsoiling with ripper
- [ ] Soil preparation through bulldozer scalping
- [ ] Soil preparation with terracing
- [ ] Soil preparation through tillage
- [ ] Patch-wise soil preparation (only at the points where each plant/seed is planted/sown)
- [ ] Strip-wise soil preparation (e.g. planting lines)
- [ ] Complete soil preparation
- [ ] Hydrological corrections (dams or other erosion abatement elements)
- [ ] Area fencing
- [ ] Protection of individuals with flexible mesh protectors
- [ ] Protection of individuals with rigid tubes
- [ ] Use of plastic or biodegradable casing
- [ ] Use of protecting plants (e.g. planting several species in one spot)
- [ ] Increased hunting
- [ ] Replacement of dead seedlings
- [ ] Other

Please specify

P150 What was the reason for its selection? (Please choose more than one option if applicable)

- [ ] Critically endangered (according to IUCN red list)
- [ ] Endangered (according to IUCN red list)
- [ ] Vulnerable (according to IUCN red list)
- [ ] Specialist species
- [ ] Umbrella species
- [ ] IUCN red list species
- [ ] Contributes to the recovery (or population increase) of other species (nurse species)
- [ ] Adaptation to current environmental site conditions
- [ ] Adaptation to future (under climate change) environmental site conditions
- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased biodiversity by introducing a species that is absent or present at low density
- [ ] Increased ecosystem resilience
- [ ] Economic value
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. invasive species)
- [ ] Availability of seeds or seedlings
- [ ] Cultural reasons

  Please specify

- [ ] Others

  Please specify

P151 Was the origin of the introduced species taken into account?

- ○ Yes, the species comes from the closest area in which that species is present and/or the most suitable origin for the restoration site has been selected
- ○ Yes, the species comes from a nearby, suitable area but it is not the closest one or where the species would be best adapted
- ○ The species comes from a different area for climate change adaptation purposes (assisted migration)
- ○ The source area has not been taken into account

P152 Are the seedlings/seeds introduced certified?

- ◯ Yes
- ◯ No

P153 Is it a native species?

- ◯ Yes, it is native at local scale
- ◯ Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- ◯ No, it is non-native

P154 Is it endemic?

- ◯ Yes, at local scale
- ◯ Yes, at regional scale
- ◯ Yes, at national scale
- ◯ No

P155 Which was the dominant species (latin name if possible) present before restoration in the area where this species was introduced?

$propertySet.remove($prop) $propertySet.remove($prop)

P156 Please indicate the survival rate (0-100) of the species introduced

_____ %

P157 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ◯ Very vigorous (strong growth for the site conditions, absence of diseases or pests)
- ◯ Vigorous

P157 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- ○ With symptoms of decay
- ○ Generalized decay (strong growth for the site conditions, absence of diseases or pests)

P158 Is there an economic benefit associated with the introduction of this species?

- ○ Yes
- ○ No

P159 **For the third species (), could you answer the same questions as for the main one?**

- ○ Yes
- ○ No

$propertySet.remove($prop) $propertySet.remove($prop)

P160 Number of individuals per ha introduced (density) of the indicated species

_____ (individuals/ha)

$propertySet.remove($prop) $propertySet.remove($prop)

P161 Total area in which the introduction has taken place

_____ (ha)

P162 Which were the cultural techniques used for its introduction? (Please choose more than one option if applicable)

- ☐ Seeding
- ☐ Planting
- ☐ Underplanting (under existing canopy)
- ☐ Complete felling of overstorey
- ☐ Partial felling of overstorey
- ☐ Weeding
- ☐ Manual or mechanized clearing of ground vegetation
- ☐ Clearing of pre-ground vegetation with herbicides

P162 Which were the cultural techniques used for its introduction? (Please choose more than one option if applicable)

- [ ] Clearing through burning of pre-ground vegetation
- [ ] Stump removal of previous trees
- [ ] Superficial soil preparation (0-20 cm)
- [ ] Soil preparation with an average depth (20-40 cm)
- [ ] Soil preparation with deep ploughing (>40 cm)
- [ ] Soil preparation with ridging
- [ ] Soil preparation through subsoiling with ripper
- [ ] Soil preparation through bulldozer scalping
- [ ] Soil preparation with terracing
- [ ] Soil preparation through tillage
- [ ] Patch-wise soil preparation (only at the points where each plant/seed is planted/sown)
- [ ] Strip-wise soil preparation (e.g. planting lines)
- [ ] Complete soil preparation
- [ ] Hydrological corrections (dams or other erosion abatement elements)
- [ ] Area fencing
- [ ] Protection of individuals with flexible mesh protectors
- [ ] Protection of individuals with rigid tubes
- [ ] Use of plastic or biodegradable casing
- [ ] Use of protecting plants (e.g. planting several species in one spot)
- [ ] Increased hunting
- [ ] Replacement of dead seedlings
- [ ] Other

Please specify

P163 What was the reason for its selection? (Please choose more than one option if applicable)

- [ ] Critically endangered (according to IUCN red list)
- [ ] Endangered (according to IUCN red list)
- [ ] Vulnerable (according to IUCN red list)

P163 What was the reason for its selection? (Please choose more than one option if applicable)

- [ ] Specialist species
- [ ] Umbrella species
- [ ] IUCN red list species
- [ ] Contributes to the recovery (or population increase) of other species (nurse species)
- [ ] Adaptation to current environmental site conditions
- [ ] Adaptation to future (under climate change) environmental site conditions
- [ ] Increase or densify the population
- [ ] Recovery of lost ecological functions
- [ ] Increased biodiversity by introducing a species that is absent or present at low density
- [ ] Increased ecosystem resilience
- [ ] Economic value
- [ ] Contributes to advancing successional dynamics towards potential vegetation, food webs and complex ecosystems
- [ ] Control of other species (e.g. invasive species)
- [ ] Availability of seeds or seedlings
- [ ] Cultural reasons

  Please specify

- [ ] Others

  Please specify

P164 Was the origin of the introduced species taken into account?

- ○ Yes, the species comes from the closest area in which that species is present and/or the most suitable origin for the restoration site has been selected
- ○ Yes, the species comes from a nearby, suitable area but it is not the closest one or where the species would be best adapted
- ○ The species comes from a different area for climate change adaptation purposes (assisted migration)
- ○ The source area has not been taken into account

P165 Are the seedlings/seeds introduced certified?

P165 Are the seedlings/seeds introduced certified?

- Yes
- No

P166 Is it a native species?

- Yes, it is native at local scale
- Yes, it is native at regional or national scale but is not present (now or in the past) in the restored area
- No, it is non-native

P167 Is it endemic?

- Yes, at local scale
- Yes, at regional scale
- Yes, at national scale
- No

P168 Which was the dominant species (latin name if possible) present before restoration in the area where this species was introduced?

$propertySet.remove($prop) $propertySet.remove($prop)

P169 Please indicate the survival rate (0-100) of the species introduced

%

P170 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- Very vigorous (strong growth for the site conditions, absence of diseases or pests)
- Vigorous
- With symptoms of decay

P170 Please indicate the average vigour of the species introduced (measured after the restoration is completed)

- Generalized decay (low growth for the site conditions, abundance of diseases or pests, etc.)

P171 Is there an economic benefit associated with the introduction of this species?

- Yes
- No

P172
OTHER SPECIES ESTABLISHMENT
This section requests information on the restoration activities carried out. If restoration has not yet taken place, please respond according to the restoration activities that are planned or underway.

	Main species (SP 1)	Second species (SP 2)	Third species (SP 3)	Other species
P230 Write the latin name of the other species introduced (please, put them in order of importance, from most to least)				

P177 Is there an economic benefit associated with the introduction of these species?

- Yes
- No

P178
CERTIFICATION
In this section information is requested on the certifications obtained. If the restoration has not yet been performed, please respond according to the certifications expected to be obtained.

P179 Have the goods affected by the restoration had any type of certification?

- Yes
  Indicate the certified goods:
- No

P179 Have the goods affected by the restoration had any type of certification?

- ◯ Is expected to be obtained

P180 Indicate the Certification Organization (Please choose more than one option if applicable)

- ☐ Forestry Stewardship Council (FSC)
- ☐ Programme for the Endorsement of Forest Certification (PEFC)
- ☐ Preferred by Nature
- ☐ Verra
- ☐ Business and biodiversity offsets Program (BBOP)
- ☐ Other certifications for forests, carbon, game species or biodiversity.

Please specify:

P181
ENDING THE QUESTIONNAIRE

P182 Do you agree to the anonymous publication of the answers provided in this survey? (If you agree, we will inform you of the publication platform and the available information

- ◯ No
- ◯ Under request

providing the following e-mail address for that purpose:

- ◯ Yes

$propertySet.remove($prop) $propertySet.remove($prop)

P183 If you wish, you can share your contact e-mail address with the research team. The SUPERB team will keep you informed of the results obtained. Your email address will not be linked to your answers when the data is analysed, so your anonymity will be respected.

P184

THANK YOU FOR FILLING IN THIS QUESTIONNAIRE! Your help will be of great value in understanding past restorations and improving future ones. Please do not forget to click on the button to finalize.