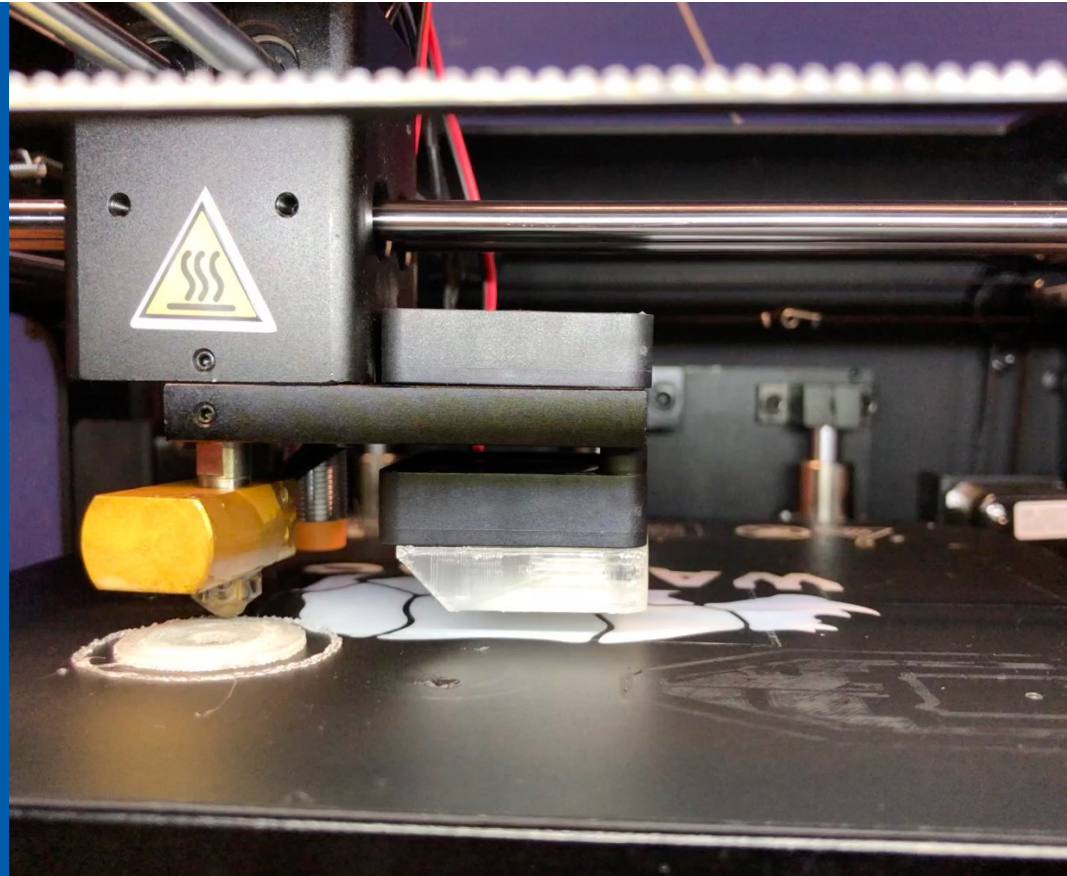UNIVERSITEIT VAN PRETORIA
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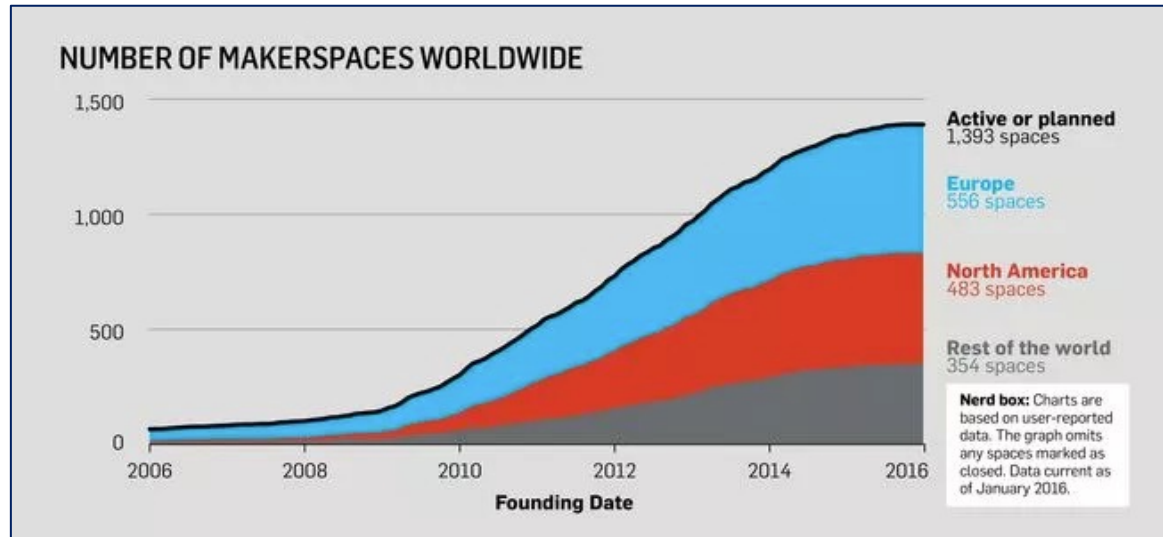# Department of Library Services: Makerspace Developments

Sean Kruger

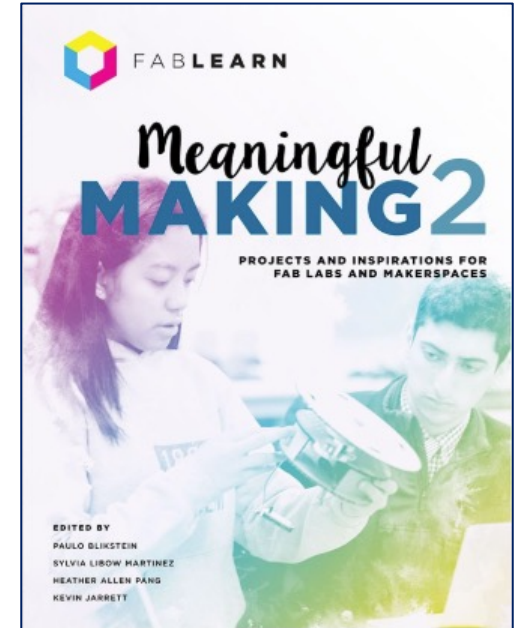March 2019

Makerspace Developments 2019

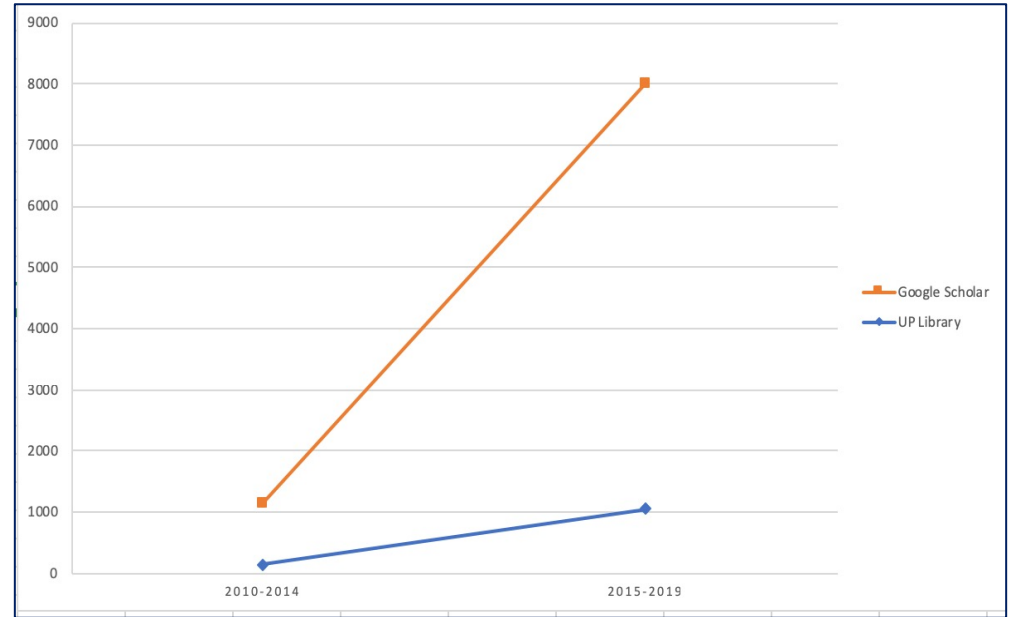- Internationally there has been constant growth of Makerspaces. As at January 2016: 1392 (Lou & Peek, 2016).

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Makerspace Developments 2019

- Online community has grown with easily available content:

  - https://fablearn.org/fellows/meaningful-making-book/ (Available from March 25th 2019)

  - https://www.makerspaces.com/what-is-a-makerspace/

  - https://www.thingiverse.com/

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Makerspace Developments 2019

- Research on Makerspace culture and usage

- 2010-2014
  - UP Library: 144
  - Google Scholar: 1010
- 2010-2019
  - UP Library: 1044
  - Google Scholar: 6970

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Library Services: Makerspace future development areas

- New forms and materials of 3D Printing

- Enhanced research project support

- Laser cutting

- Ceramics and wood work collaboration with other departments in campus

- Methods to increase coding and digital literacy skills. Identified as a key need at FabLearn 2018 and 2019, especially to address 4IR (AI, Machine Learning, IoT, Big Data management) (Fablearn, 2018)

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Thank You

Questions?

sean.kruger@up.ac.za
012 420 2214

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- Lou, N. and Peek, K. (2016) *By the numbers: The rise of the Makerspace*. Available at: https://www.popsci.com/rise-makerspace-by-numbers (Accessed: 22 March 2019).

- Fablearn (2018) 'Maker education in the Netherlands – state of play and lessons for the future', *Proceedings of FabLearn Netherlands 2018*.

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