

A. PATENT DATA IN BRIEF

Table A1. The patents found on WIPO for each of the South African priority areas

Year	Biotechnology	ICT	Nanotechnology	Energy	Health
2001	7	12	3	42	13
2002	11	14	4	37	13
2003	14	4	11	30	24
2004	8	16	10	21	9
2005	10	6	10	42	13
2006	9	4	9	42	22
2007	14	6	10	50	20
2008	13	11	7	38	16
2009	20	10	7	52	22
2010	19	7	10	38	19
2011	18	5	6	41	23
2012	10	3	12	37	17
2013	14	5	2	34	28
2014	9	5	2	40	16
2015	20	4	2	36	14
Total	196	112	105	580	269

Table A2. The patents found on WIPO for each of the priority areas in the BRIC countries 2001 - 2015

Country	Biotechnology	ICT	Nanotechnology	Energy	Health
Brazil	368	83	119	881	662
Russia	469	197	287	2141	911
India	1043	251	813	1068	5289
China	3386	3900	1835	11506	6106
South Africa	196	112	105	580	269
Egypt	21	13	15	83	60
World	534647	301901	480924	1557156	917120

Table A3 Total patents found on WIPO for each of the BRIC countries by priority date

Year	World	South Africa	Brazil	Russia	India	China	Egypt
2001	1428958	450	234	615	574	881	4
2002	1274819	415	249	566	755	1272	19
2003	1222690	466	322	600	949	1724	29
2004	1252772	441	348	662	1089	2346	29
2005	1217557	463	365	690	1347	3824	45
2006	1125800	468	436	782	1507	5323	28
2007	1039020	470	556	780	1709	6488	38
2008	984028	440	579	716	1753	6828	38
2009	946722	338	562	814	1882	10160	48
2010	961257	371	575	934	2366	13362	40
2011	950458	371	652	1037	2128	15634	38
2012	913608	385	602	884	1439	16491	37
2013	816349	325	519	782	1477	19178	38
2014	515232	323	516	757	1375	21321	37
2015	69246	39	64	53	207	3132	2

Table A4. Worldwide patents in each of the priority areas

Year	Biotechnology	ICT	Nanotechnology	Energy	Health
2001	80929	40557	55024	162145	120627
2002	72638	34618	54872	149780	117136
2003	66562	34799	56143	147957	115290
2004	60684	34133	55123	144120	113598
2005	55683	29698	50514	128813	108776
2006	50091	27297	46465	122128	99460
2007	48471	23486	40951	120373	88788
2008	44874	21019	38142	116338	80056
2009	41450	18947	35104	121544	69931
2010	39649	19534	34639	131956	63252
2011	38815	19138	32346	132509	58830
2012	36704	18546	31669	129681	54781
2013	31851	16742	29073	111395	47106
2014	16424	11130	20776	72078	22695
2015	2064	1558	3571	12456	2795