



**ARIPO**

*African Regional Intellectual  
Property Organization*



# Sub-Regional Workshop on the Development and Effective Use of Intellectual Property Statistics for ARIPO Member States

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**Meikles Hotel, Harare, Zimbabwe**  
**September 14, 2016**



*Fostering Creativity and Innovation for Economic Growth and Development in Africa*

# Importance of IP Statistics in Decision-Making

Reliable intellectual property (IP) statistics are an important tool in understanding trends in policy, business, and technology worldwide (WIPO)

- **Government:** focus on areas of major innovation and creativity. Eg: Many trademarks may signal high rates of entrepreneurship to prioritize; patents or industrial designs may be a wake up call on an industry to prioritize
- **IP Office:** Areas of strength or weakness. Eg: ARIPO low numbers on utility models prompted awareness initiatives that changed the numbers
- **Research institutions:** major numbers of applications on designs, utility models or patents may show industrial trends and need to re-focus areas of research and potential for industry/research linkages
- **Corporates:** High number of IPRs may signal area to invest or develop partnerships / Technology trends



# SOURCES OF IP INFORMATION

- WIPO
  - World Intellectual Property Indicators
  - World Intellectual Property Report
  - WIPO IP Facts and Figures
  - Global Innovation Index
- ARIPO Statistics (ARIPO Report)
- Member States Statistics
- National IP Reports
- UNESCO



# ARIPO Market: Population & GDP

USA: 14.99 trillion USD

China: 7.318 trillion USD

Switzerland: 659.3 billion USD

Nigeria: 568.51 Billion USD

South Africa: 408.2 Billion USD

## ARIPO Member States

Population: 226.786  
Millions

GDP: 273 Billion USD

GDP growth rate: 6.3%

	Population	GDP (2012)	
Country	Nr (millions)	Growth rate (%)	(Billion USD)
Botswana	2,004	3,7	14,411
Gambia	1,791	6,3	0,917
Ghana	25, 366	7,9	40,711
Kenya	43,178	4,6	40,697
Lesotho	2,052	4,0	2,443
Liberia	4,190	11,3	1,492
Malawi	15,906	1,8	5,653
Mozambique	25,203	7,5	14,605
Namibia	2,259	5,0	12,807
Rwanda	11,458	8,0	7,103
Sao Tome & Principe	0,188	6,5	0,261
Sierra Leone	5,979	15,2	4,337
Somalia	10,195	2,6	1,306
Sudan	37,195	-4,4	51,453
Swaziland	1231	-1,5	3,861
Tanzania	50,4	6,9	28,249
Uganda	36,346	4,4	21,736
Zambia	14,075	7,3	21,490
Zimbabwe	13,724	4,4	9,802
<b>Total</b>	<b>226.786</b>	<b>6,25% (Aver.)</b>	<b>267,759.4</b>



# Worldwide Applications v Africa position

	2013	2014
<b>Patents</b>		
Worldwide	2,564,800	2,680,900
Africa (25 offices)	14900 (0.6%)	14,900 (0.6%)
ARIPO	693	835

	2013	2014
<b>Trademarks</b>		
Worldwide	7,028,400	7,449,400
Africa (33 offices)	171,972 (2.4%)	207,000 (2.8%)
ARIPO	597	701

	2013	2014
<b>Industrial Designs</b>		
Worldwide	1,238,200	1,138,400
Africa (25 offices)	14,400 (1.2%)	17,300 (1.5%)
ARIPO	219	155





## PATENT APPLICATIONS 2011 – 2016

Year	2011	2012	2013	2014	2015
Botswana	5	37	20	14	9
Gambia	-	2	1	0	-
Ghana					
Lesotho				3	2
Liberia					
Kenya	257	259	240	208	196
Malawi					
Mozambique				14	54
Namibia	43	33	35	36	20
Rwanda		40	70	12	6
Sao Tome & Principe	2	0	8	3	0
Sierra Leone					5
Sudan			157	331	238
Swaziland	13	68		5	2
Tanzania				24	28
Uganda			14	7	9
Zambia	4	8	38	15	32
Zimbabwe				9	26
ARIPO	529	603	693	835	780

- Inconsistent statistics
- Very few applications
- No data from Ghana, Liberia, Malawi, Sierra Leone
- Sudan & Kenya with biggest number of individual MS applications
- ARIPO is the biggest recipient of patent applications



## TRADEMARK APPLICATIONS 2011 – 2016

Country	2011	2012	2013	2014	2015
Botswana	360	470	368	380	1130
Gambia		441	406	562	
Ghana					
Kenya	3580	3978	4596	1361*	4693
Lesotho				393	291
Liberia					
Malawi					
Mozambique				2600	2700
Namibia	1671	1796	1611	1661	3111
Rwanda		109		102	659
Sao Tome & Principe	607	607	592	606	765
Sierra Leone		157	125	352	384
Sudan				3354	2202
Swaziland				511	477
Tanzania				3465	3307
Uganda			759	1083	2665
Zambia	472	634	432	534	1615
Zimbabwe				1704	1348
ARIPO (App)	228	311	321	362	283
ARIPO (class)	611	533	597	701	504

- Inconsistent statistics
- Significant number of applications
- No data from Ghana, Liberia, Malawi
- Kenya, Tanzania, Mozambique, Namibia and Sudan with biggest number of individual MS applications
- ARIPO is performing poorly in this area





# INDUSTRIAL DESIGNS APPLICATIONS 2011 – 2016

Year	2011	2012	2013	2014	2015
Botswana	7	12	14	12	13
Gambia					
Ghana					
Kenya	87	94	80	79	85
Lesotho	6	1	2		1
Liberia					
Malawi					
Mozambique				23	35
Namibia					19
Rwanda		20		2	5
Sao Tome & Principe	17	26	51	81	55
Sierra Leone					
Sudan		88		270	173
Swaziland					
Tanzania					
Uganda					
Zambia	14	10	40	29	20
Zimbabwe					
ARIPO	49	151	219	155	124

- Very inconsistent statistics
- Very few applications
- No data from Ghana, Gambia, Liberia, Malawi, Namibia, Sierra Leone, Swaziland, Tanzania, Uganda and Zimbabwe
- Kenya, Sao Tome & Principe, Mozambique and Sudan performing well
- ARIPO with inconsistent trends



## UTILITY MODELS APPLICATIONS 2011 – 2016

Year	2011	2012	2013	2014	2015
Botswana			3		3
Gambia		0	2	1	
Ghana					
Kenya	51	68	78	83	115
Lesotho					
Liberia					
Malawi					
Mozambique				2	2
Namibia					0
Rwanda			12	1	5
Sao Tome & Principe					
Sierra Leone					
Sudan					
Swaziland					
Tanzania					
Uganda					1
Zambia					
Zimbabwe					4
ARIPO	3	8	7	10	21

- Poor statistics
- Non protection of utility models in many jurisdictions
- Inconsistency numbers with the claim that Utility Models can promote innovation in Africa
- Very few applications
- Kenya making good use of utility models
- ARIPO performing poorly with changes after the WIPO/ARIPO Workshop on utility models



# KENYA

## APPLICATIONS

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Patents	51	61	72	95	84	93	82	132	97	171	197	257	259	240	208	196
Trademarks	1361	1540	1455	1396	1713	1919	2180	2125	2453	2926	3532	3580	3978	4596	1361*	4693
Industrial Designs			85	53	55	117	72	74	49	90	76	114	103	86	95	85
Utility Models			14	12	13	11	19	16	19	30	28	51	68	78	83	115

## REGISTRATIONS

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Patents	18	15	7	20	15	48	29	17	42	87	54	59	76	71	53
Trademarks		1303	702	1005	1972	5632	2715	1902	2112	1999	2352	2588	2955	3055	3172
Industrial Designs			1	16	5	66	47	35	48	103	50	40	50	38	34
Utility Models			0	1	1	8	4	2	3	2	5	1	1	4	31



## APPLICATIONS RECEIVED BY ARIPO SINCE INCEPTION UP TO JUNE 30, 2016

YEAR	TOTAL
PATENTS	9301
TRADEMARKS	2717 (5004 CLASSES)
INDUSTRIAL DESIGNS	1125
UTILITY MODELS	73



# INDUSTRIAL PROPERTY STATISTICS ACCORDING TO COUNTRY OF ORIGIN SINCE INCEPTION OF PROTOCOLS TO 22 OCTOBER 2014

Number	PATENTS		TRADEMARKS		INDUSTRIAL DESIGNS	
	Country	Number of Files	Country	Number of Files	Country	Number of Files
1	United States of America	2400	Zimbabwe	517	Republic of Korea	196
2	United Kingdom	768	India	241	South Africa	136
3	South Africa	660	United States of America	224	United States of America	94
4	Germany	467	South Africa	117	United Kingdom	58
5	France	450	Virgin Islands (British)	107	Tanzania	49
6	India	344	Germany	97	Zimbabwe	44
7	Switzerland	320	United Arab Emirates	94	Japan	40
8	Australia	315	China	80	India	37
9	China	188	Switzerland	67	Ghana	37
10	Canada	162	Mauritius	50	Sweden	27
					Australia	22



# IMPROVEMENTS ON IP IN ARIPO MEMBER STATES

- Change of culture with regard to the need to provide information and data
- Use IP Statistics for development objectives
- Need to compile regularly statistics at the National level
- Provide statistics to WIPO
- Provide statistics to ARIPO (ARIPO Annual Report)
- Publish statistics in the IP Offices Websites
- Provide IP Statistics and Information to researchers
- Present statistics to national and international press







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