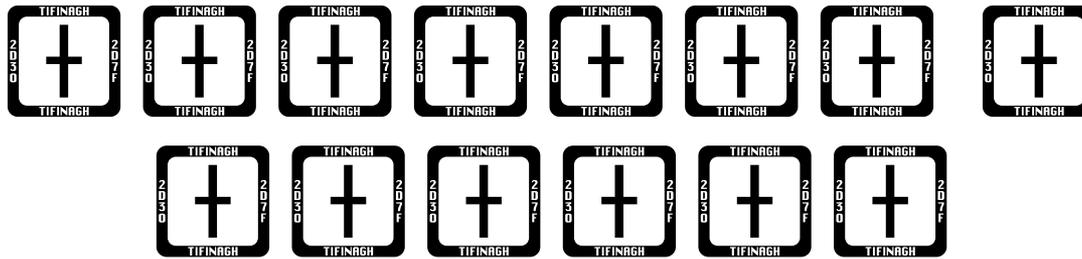




المملكة المغربية

Kingdom of Morocco



The Development of Knowledge Society in Morocco

Mr. Aziz El Hajir
Program Specialist ICT4E & ICT4D
ISESCO

Knowledge Society Forum
30th August 2017
Nairobi, Kenya

Country Overview

The Kingdom of Morocco

Capital: Rabat

Population: 35.03 million

Area: 710,850 km²

National languages: Arabic and Berber (official),
French

Religion: Islam

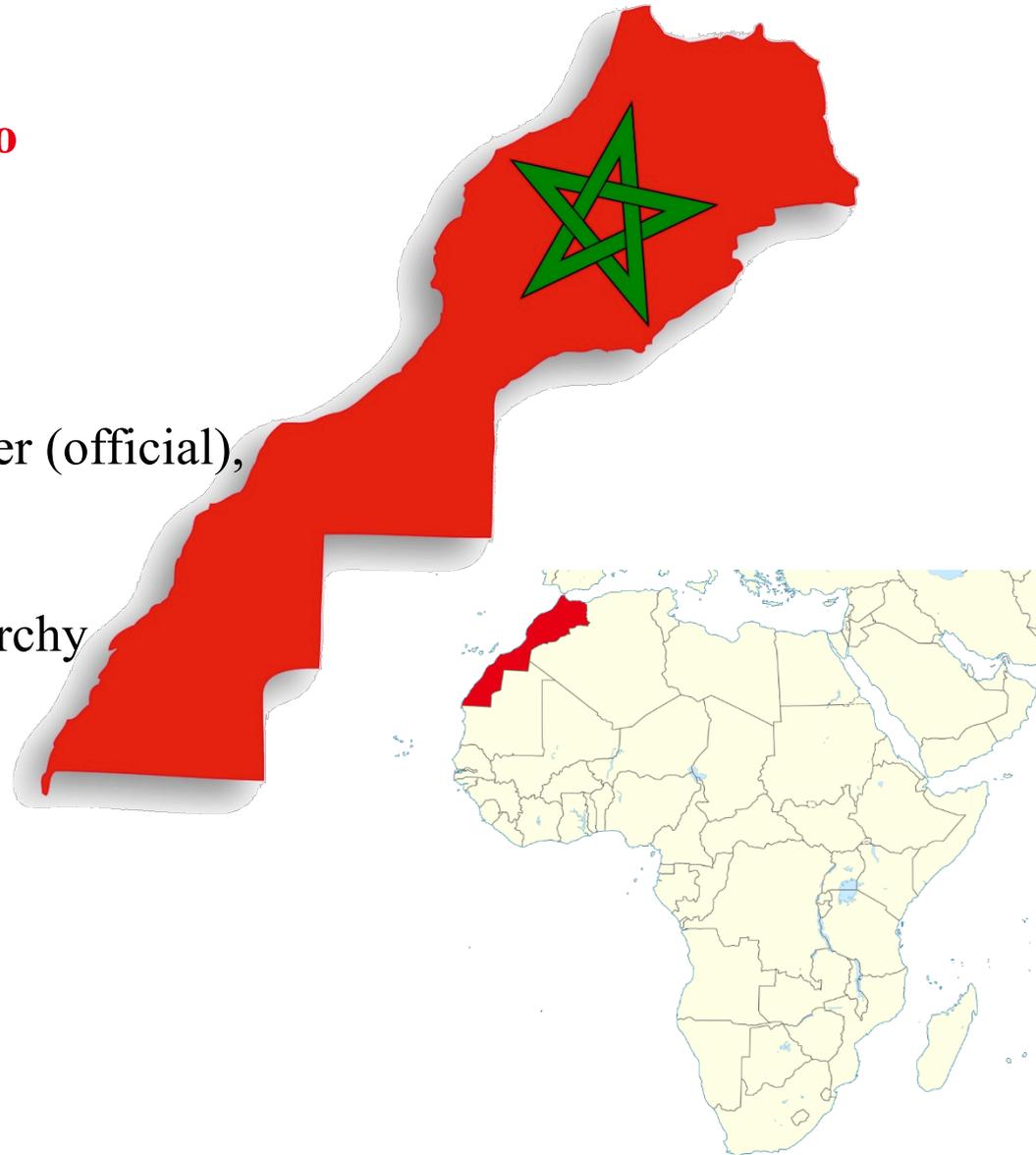
Political regime: Constitutional monarchy

Currency: Dirham

Region: MENA



Royal Coat of Arms



Main Country Indicators

MOROCCO

WE ARE SOCIAL & HOOTSUITE - COUNTRY'S KEY DIGITAL STATISTICAL INDICATORS
DIGITAL IN 2017: NORTHERN AFRICA

TOTAL
POPULATION



35.03

MILLION

URBANISATION:

61%

INTERNET
USERS



20.21

MILLION

PENETRATION:

58%

ACTIVE SOCIAL
MEDIA USERS



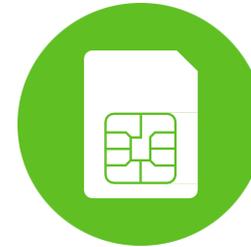
14.00

MILLION

PENETRATION:

40%

MOBILE
SUBSCRIPTIONS



43.31

MILLION

vs. POPULATION:

124%

ACTIVE MOBILE
SOCIAL USERS



13.00

MILLION

PENETRATION:

37%

ANNUAL DIGITAL GROWTH

0%

SINCE JAN 2016

(UNCHANGED)

+27%

SINCE JAN 2016

+3 MILLION

-5%

SINCE JAN 2016

-2 MILLION

+51%

SINCE JAN 2016

+4 MILLION

ICT4E National Program

GENIE PROGRAM

ICT for EDUCATION NATIONAL PROGRAM

- Establishment of the National Observatory for ICTs' Uses
- Program Information Campaigns
- Deepening and Regulatory Sharing Workshops
- Launch of internal evaluations on ICT uses

Infrastructure



- 10,173 schools equipped (87%)
 - Multimedia Rooms
 - Multimedia Moving trolleys
 - Multimedia Suitcases
 - Interactive Whiteboards
- 60% connected to Internet + Filtering

Development of ICT uses



Management



Training



- Purchase of 80% DR in accordance with Moroccan curricula
- TAALIMTICE.MA portal online
- Design of ICT teaching manuals

Digital Resources



- Revision of the ICT Modules (UNESCO)
- Launch of MOS and MCE certification with Microsoft
- Starting of an ICT MOOC eLearning trainings
- Participation to the Africa Code Week Initiative

Main Country Indicators

GENIE PROGRAM

ICT for EDUCATION NATIONAL PROGRAM

Achievements of the different phases:

- ✓ Training of more than 200.000 teachers on how to use ICT in education;
- ✓ Creation of 137 IT Academy Certification Centers;
- ✓ Training of 500 master trainers on Microsoft technologies;
- ✓ Training and certification of more than 100,000 teachers in MOS and MCE;
- ✓ 101.830 registered on MOOC courses and 1692 beneficiaries of the elearning;
- ✓ Africa Code Week, 2015 edition: 35.000 students trained to Scratch 1st Price;
- ✓ Africa Code Week, 2016 edition: 65.052 students trained to Scratch 1st Price.

2030 ICT4E Strategy

GENIE PROGRAM

ICT for EDUCATION NATIONAL PROGRAM

Following the Higher Council for Education, Training and Scientific Research report, a new strategy (2030 ICT4E Vision) is being set and whose objectives are:

1. Integrating ICT into the curriculum process since its conception
2. Developing students' ICT skills thru:
 - Establishing a digital culture;
 - Generalizing the teaching of computer science.

Main Country Indicators

MOROCCO

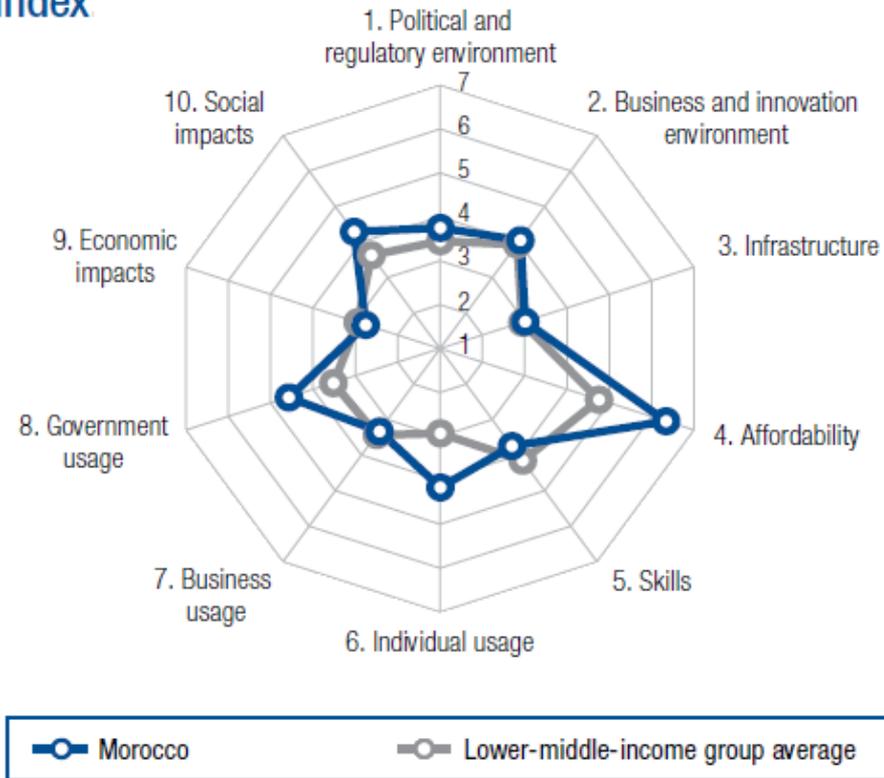
WORLD ECONOMIC FORUM - NETWORK READDINESS INDEX-
THE GLOBAL INFORMATION TECHNOLOGY REPORT 2016

Networked Readiness Index

Sub-indexes & Pillars

Rank (out of 139) Value (1-7)
78..3.9

A. Environment subindex	77	3.9
1st pillar: Political and regulatory environment.....	70.....	3.8
2nd pillar: Business and innovation environment.....	87.....	4.1
B. Readiness subindex	94	4.3
3rd pillar: Infrastructure.....	102.....	3.0
4th pillar: Affordability.....	20.....	6.3
5th pillar: Skills.....	110.....	3.7
C. Usage subindex	60	4.0
6th pillar: Individual usage.....	67.....	4.2
7th pillar: Business usage.....	105.....	3.3
8th pillar: Government usage.....	41.....	4.6
D. Impact subindex	80	3.5
9th pillar: Economic impacts.....	110.....	2.8
10th pillar: Social impacts.....	59.....	4.3



Networked Readiness Index	78	3.9
Networked Readiness Index 2015 (out of 143).....	78.....	3.9
Networked Readiness Index 2014 (out of 148).....	99.....	3.6
Networked Readiness Index 2013 (out of 144).....	89.....	3.6

Main Country Indicators

MOROCCO

WORLD ECONOMIC FORUM - GLOBAL COMPETITIVENESS INDEX
AFRICA COMPETITIVENESS REPORT 2017

Global Competitiveness Index
2016-2017 edition

 Morocco **70th** / 138

Key Indicators, 2015 Source: International Monetary Fund; World Economic Outlook Database (April 2016)

Population (millions)	33.5	GDP per capita (US\$)	3078.6
GDP (US\$ billions)	103.1	GDP (PPP) % world GDP	0.24

	Rank / 138	Score (1-7)	Trend	Distance from best	Edition	2012-13	2013-14	2014-15	2015-16	2016-17
Global Competitiveness Index	70	4.2			Rank	70 / 144	77 / 148	72 / 144	72 / 140	70 / 138

Economy	The 10 most competitive African economies		GCI rank 2016-2017	Score
Mauritius			45	4.49
South Africa			47	4.47
Rwanda			52	4.41
Botswana			64	4.29
Morocco			70	4.20
Namibia			84	4.02
Algeria			87	3.98
Tunisia			95	3.92
Kenya			96	3.90
Côte d'Ivoire			99	3.86

Main Country Indicators

MOROCCO

UNITED NATIONS E-GOVERNMENT INDEX

UN E-GOVERNMENT SURVEY 2016

Top 10 countries for e-government in Africa

Country	Region	Sub-Region	OSI	HCI	TII	EGDI	EGDI Level	2016 Rank
Mauritius	Africa	Eastern Africa	0.7029	0.7067	0.4596	0.6231	High	58
Tunisia	Africa	Northern Africa	0.7174	0.6397	0.3476	0.5682	High	72
South Africa	Africa	Southern Africa	0.5580	0.7253	0.3807	0.5546	High	76
Morocco	Africa	Northern Africa	0.7391	0.4737	0.3429	0.5186	High	85
Seychelles	Africa	Eastern Africa	0.4058	0.6861	0.4624	0.5181	High	86
Cape Verde	Africa	West Africa	0.4565	0.6031	0.3629	0.4742	Medium	103
Egypt	Africa	Northern Africa	0.4710	0.6048	0.3025	0.4594	Medium	108
Botswana	Africa	Southern Africa	0.2826	0.6553	0.4215	0.4531	Medium	113
Libyan Arab Jamahiriya	Africa	Northern Africa	0.1087	0.7588	0.4291	0.4322	Medium	118
Kenya	Africa	Eastern Africa	0.5580	0.5169	0.1808	0.4186	Medium	119

Main Country Indicators

MOROCCO

INTERNATIONAL TELECOMMUNICATION UNION ICT DEVELOPMENT INDEX
INFORMATION SOCIETY REPORT 2016

Economy	Regional rank 2016	Global rank 2016	IDI 2016	Global rank 2015	IDI 2015	Global rank change 2016-2015
Bahrain	1	29	7.46	28	7.42	-1
United Arab Emirates	2	38	7.11	35	6.96	-3
Saudi Arabia	3	45	6.90	38	6.88	-7
Qatar	4	46	6.90	43	6.78	-3
Kuwait	5	53	6.54	48	6.45	-5
Oman	6	59	6.27	58	6.04	-1
Lebanon	7	66	5.93	61	5.91	-5
Jordan	8	85	5.06	89	4.67	4
Tunisia	9	95	4.83	95	4.49	0
Morocco	10	96	4.60	98	4.26	2
Egypt	11	100	4.44	97	4.26	-3
Algeria	12	103	4.40	112	3.74	9
Palestine	13	106	4.28	103	4.12	-3
Syria	14	122	3.32	120	3.21	-2
Sudan	15	139	2.60	134	2.56	-5
Mauritania	16	151	2.12	154	1.90	3
Yemen	17	155	2.02	151	1.96	-4
Djibouti	18	161	1.82	160	1.73	-1
Average			4.81		4.63	

Main Country Indicators

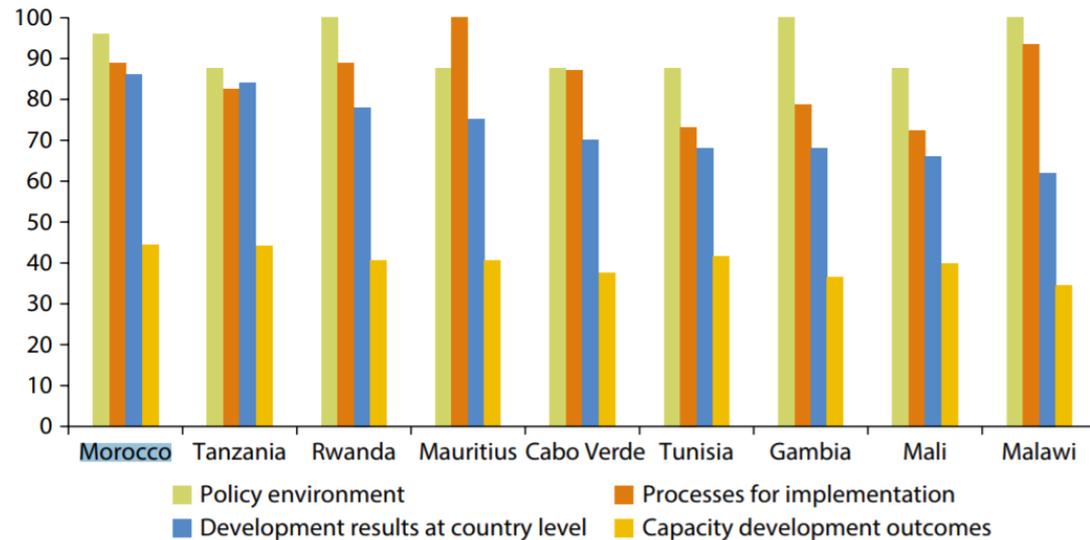
MOROCCO

AFRICAN CAPACITY BUILDING FOUNDATION AFRICA CAPACITY INDEX
AFRICA CAPACITY REPORT 2017

Africa Capacity Index, 2016

Rank	Country	ACI 2016 value
1	Morocco	71.6
2	Tanzania	68.8
3	Rwanda	68.2
4	Mauritius	67.3
5	Cabo Verde	62.6
6	Tunisia	62.6
7	Gambia	61.7
8	Mali	61.0
9	Malawi	60.7
10	Burkina Faso	58.8

Africa Capacity Index, 2016, top performers by cluster

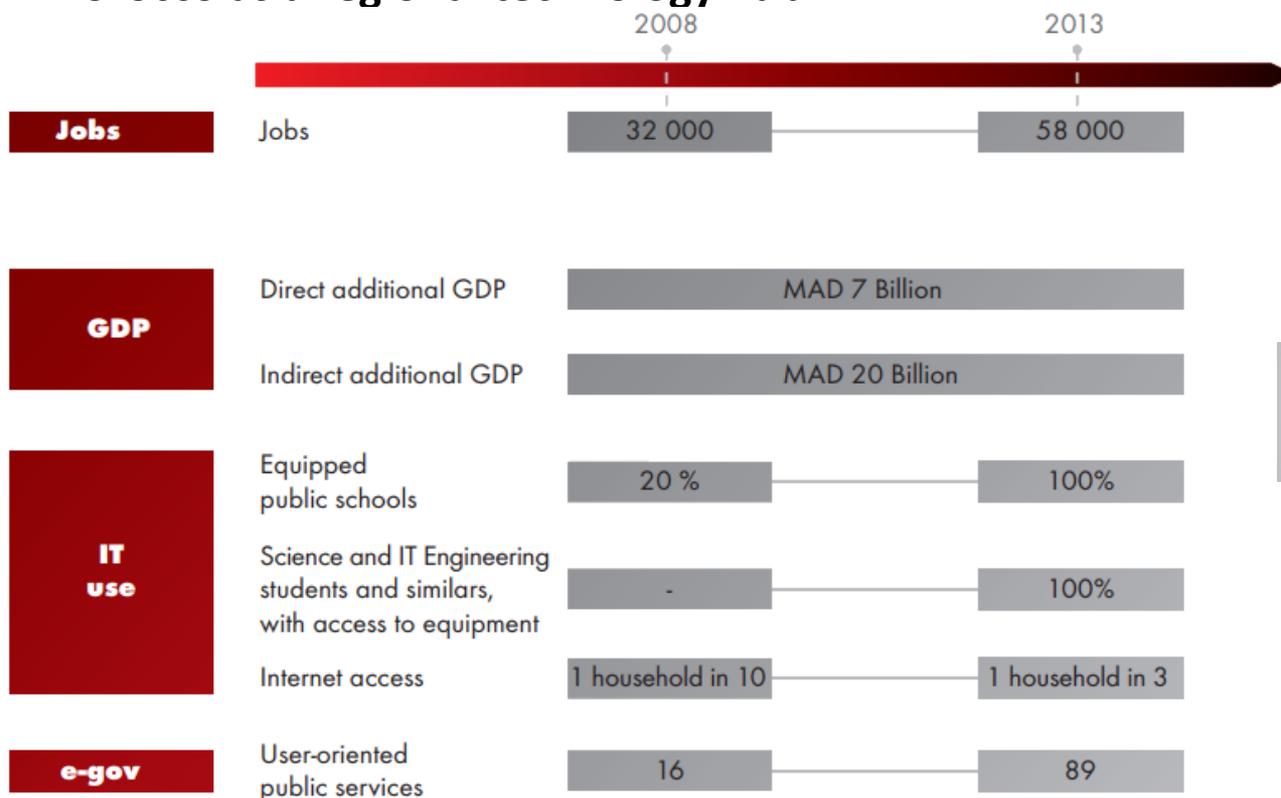


National Strategy for the development of the Digital Economy

DIGITAL MOROCCO 2013

Digital Morocco 2013 aims to:

- ✓ Make IT a tool for human development.
- ✓ Make IT a source of productivity and added value for other economic sectors and for the public Administration.
- ✓ Make the IT sector one of the economy's pillars.
- ✓ Position Morocco as a regional technology hub.



DIGITAL MOROCCO 2013

Online service index and Morocco's world ranking in online service delivery

indicators	2008	2010	2012	2014
Online Service Index	0.2074	0.2381	0.5425	0.6929
World Ranking of e-Government (Online Services)	134 ^{ème}	104 ^{ème}	56 ^{ème}	30 ^{ème}

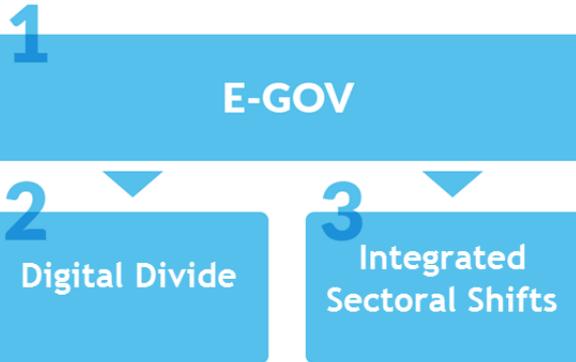
Morocco E-Government ranking progress

	E-Government Development Index	Telecommunication Infrastructure Index	Human Capital Index	Online Service Index
2010	126	93	153	104
2012	120	92	167	56
2014	82	93	153	30

DIGITAL MOROCCO 2020

Pillar I

Digital transformation of the National Economy



Pillar II

Regional Digital Hub



Pillar III

Digital positioning of Morocco



DIGITAL MOROCCO 2020

Digital Transformation of the Public Administration

TOP 3

In e-Gov ranking in MEA region (excluding GCC)

Agency

Operational Governmental Agency

>50%

Of administrative tasks digitalized

Democratization of Digital Uses (in private and among citizens)

50%

Of numerical gap reduction

20%

Of SMEs equipped and connected to internet

Regional Digital Hub

5-10%

Of annual growth in Offshoring

N°1

Digital hub in French speaking Africa

N°2

Digital Hub in Africa, following South Africa

Enhanced National Digital Ecosystem

TOP 3

In Datacom infrastructure in MEA region (excluding GCC)

x2

Number of IT professionals trained in Morocco > 30,000

5

In the top 30 of competitive African countries

**Thank you for
your attention**