

Dr Salma Abbasi, FRGS Chairperson and CEO, eWorldwide Group

ICTs4SDGs Digital Economy for Development WSIS 2016









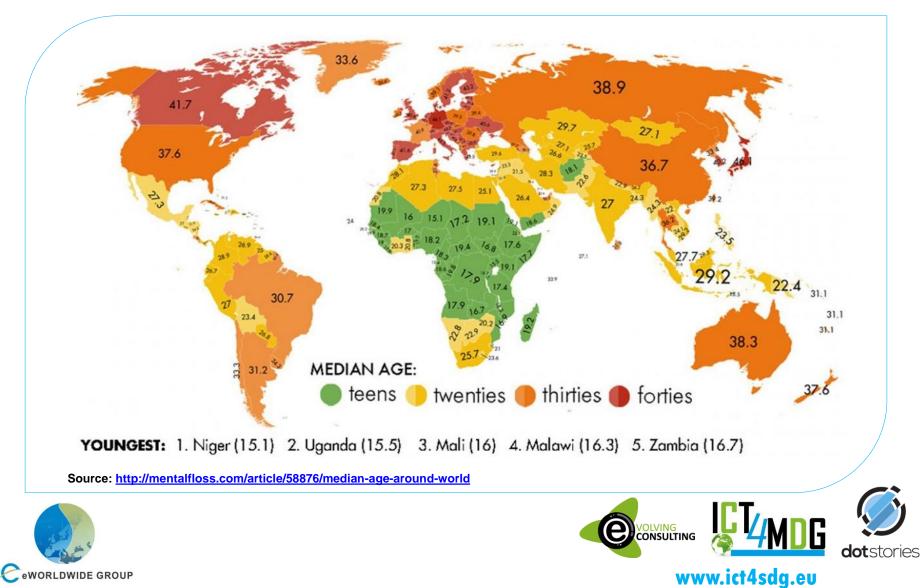
The Challenge







Youth Distribution World (Age 14 - 29 Years)





Youth Unemployment Rates, By Region

Youth Unemployment Rates 2000 and 2007–2016, by Region (%)											
	2000	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016p
WORLD	12.7	11.6	11.7	12.6	12.7	12.6	12.7	12.7	12.7	12.7	12.7
Developed Economies & EU	13.5	12.5	13.3	17.3	18.1	18.0	18.0	17.7	17.2	16.5	16.0
Central & South-Eastern Europe (non-EU) & CIS	20.0	17.5	17.0	20.5	19.4	17.6	17.5	17.6	17.5	17.5	17.5
East Asia	9.3	8.0	9.1	9.3	8.9	9.0	9.3	9.4	9.6	9.7	9.8
South-East Asia & the Pacific	13.2	14.9	14.2	13.9	13.6	13.5	13.7	14.0	14.2	14.2	14.3
South Asia	10.1	9.0	8.6	9.1	10.2	9.8	9.8	9.7	9.7	9.8	9.8
Latin America & the Caribbean	15.8	14.1	13.7	15.6	14.5	14.3	14.3	14.4	14.5	14.5	14.6
Middle East	24.0	24.8	25.7	25.2	25.4	26.5	26.9	27.5	28.0	28.6	29.0
North Africa	28.7	23.8	23.0	23.6	23.1	27.9	27.8	27.6	27.3	26.9	26.7
Sub-Saharan Africa	12.9	11.5	11.5	11.5	11.4	11.5	11.5	11.5	11.4	11.4	11.4



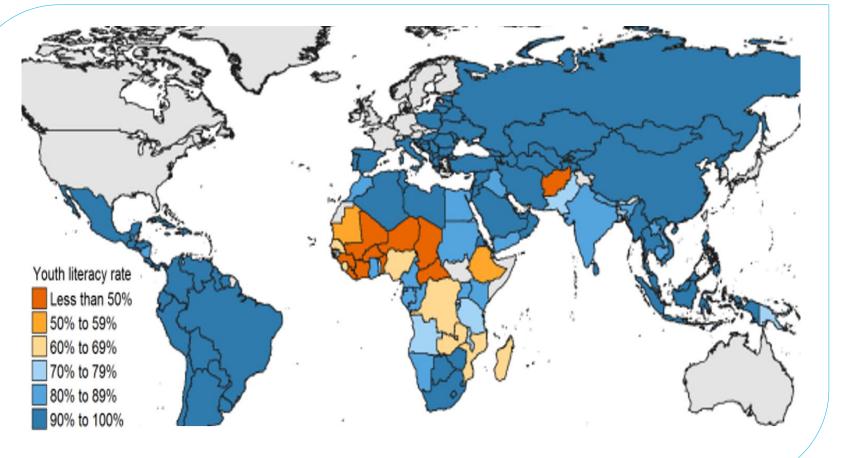




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Global Literacy Statistics 2014



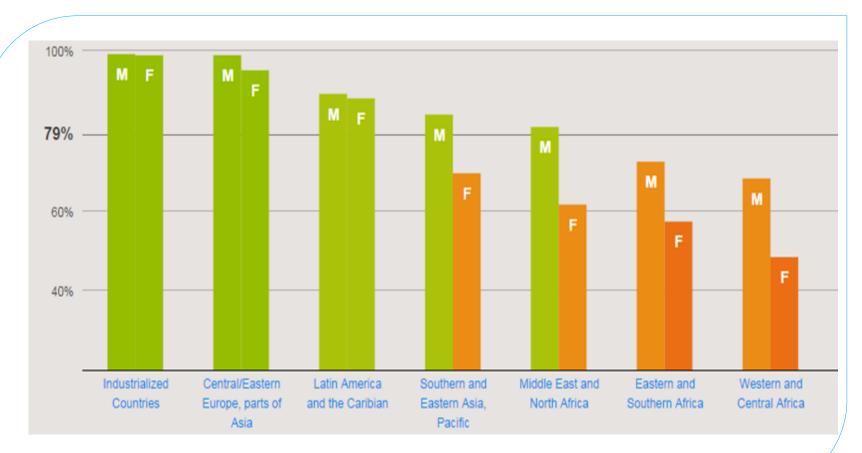
Source: http://www.uis.unesco.org/literacy/Pages/literacy-data-release-2014.aspx







Global Literacy Statistics by region



Source: http://visualdata.dw.de/specials/bildung/en/literacy-global.html







The Facts

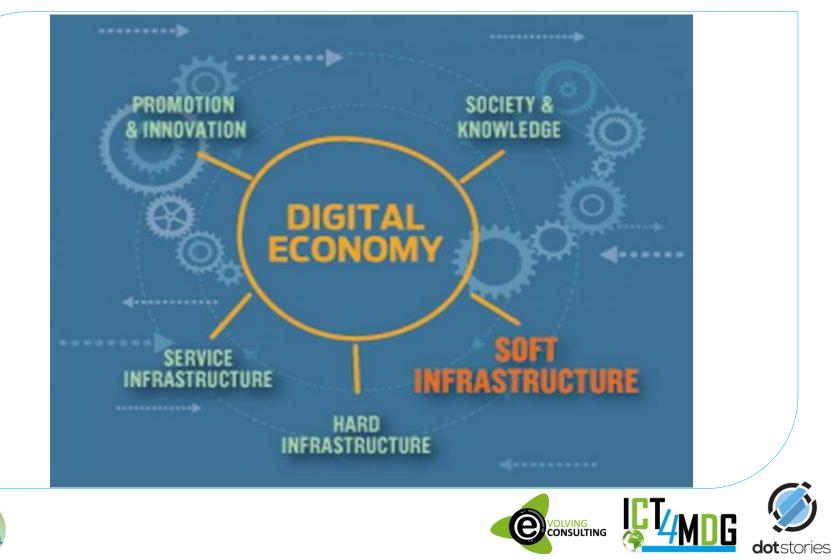






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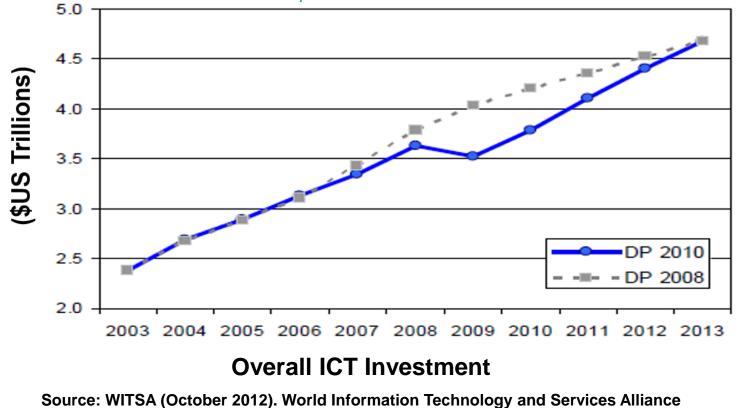
Digital Economy Framework



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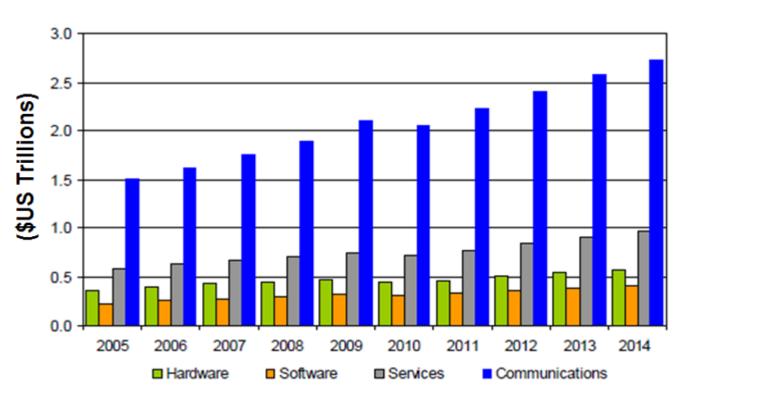
\$ 2.1 trillion U.S. dollars spent in 2001, total ICT spending will increase to nearly \$US 4.8 trillion in 2014







Global Investment



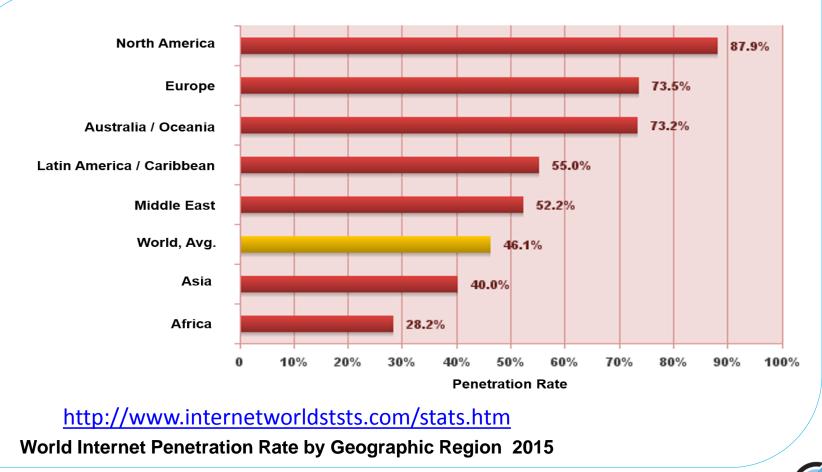
Sector Wise ICT Investment

Source: (2014) World Information Technology and Services Alliance (WITSA)





World Internet Penetration Rate, 2015









The Public Sector

- ID Cards
- e-Payments and entitlements
- e-Administration
- Registration LR, B/D/M and Vehicles
- Taxes and fees
- e-Education/Distance learning
- e-Health and Telemedicine











ICT Enabled Industries

- Financial Sectors
- Medical, Bio Medical, Healthcare
- Transportations, Airlines
- Space
- Entertainment, Cable TV, Special Effects

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- Telecom, Broadband, 4G services
- Media, Print and Electronic









ICT Enabled Industries

- Education, Distance learning, Interactive
- Security, Cybersecurity, Defense
- Energy (Oil and Gas)
- Green Solutions
- Recycling
- And many more Sectors











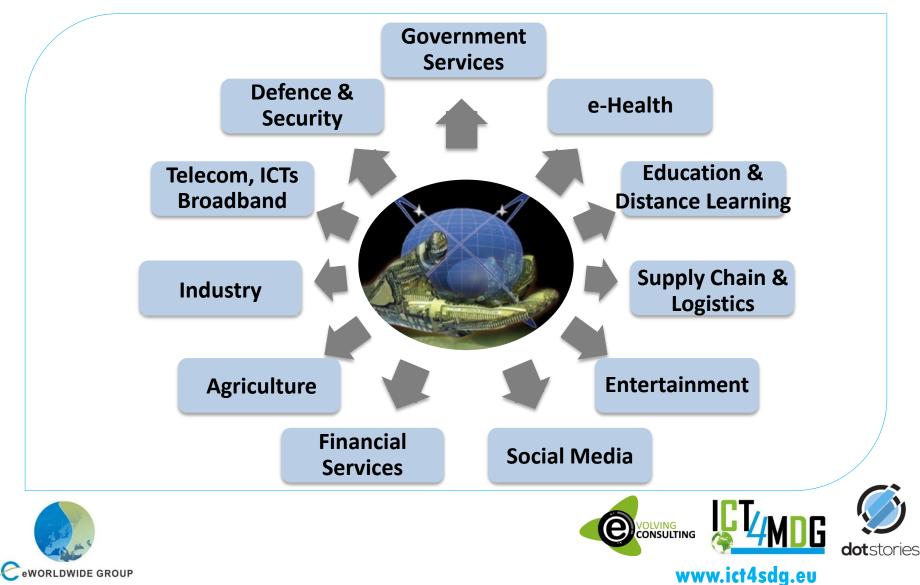
Opportunities for SGDs Digital Economy







Digital Economy





Potential Opportunities for Engagement

BPOs, Advertising and Marketing

Call centres Web Portals Tele Marketing

Education

Business Skills Development CD Tutorials ICT Training Virtual learning Centers Virtual Teaching

Entertainment

Community Radio Film Makers Drama Production Computer Games Cable T.V Networks Games Zones









Potential Opportunities for Engagement

- Research and Analysis
 - Market Analysis
 - \circ Customer Needs
 - Competitive Analysis
 - Trend Analysis
 - New Product Development
 - Exploring New Horizons
- Value Added Services and Partnerships
 - Tele-Medicine
 - e-Education & Distance Learning
 - Tele-Agricultural
 - "Public Information to support
 - Government Initiatives for MDG
 - Donor Organizations Objectives: "Universal Access"







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Mobile Money Agents

- Mobile services for sending and receiving payment
- Transactions track

Example:Tanzania'RuralWomenEntrepreneurs and Mobile Money'

Electricity Recharging Services

- Recharging facility. The most common service is;
- Recharging stations for mobile phones

Examples: Tanzania and Kenya, the Barefoot College Initiative 'Solar Powered Electricity Recharging Stations'











Mobile Phone Sales and Technical Support

- Mobile phone sales and repair
- Technical support
- SIM cards and accessories

Example: Rwanda 'Action Technique Pour Un Development Communautaire' (ATEDEC)

Mobile Information Agents

- Calls and messages
- Internet

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Market information

Example: Bangladesh, 'Village Phone Ladies'









Freelancing and Microwork

- Business connections
- Obtain work of their choices
- Make earnings

Example: India Freelancing on 'oDesk'

Government Outsourcing of IT Services

 The government outsourcing of internal services offer entrepreneurs that benefit of eligibility for bank loans for which she would normally could not apply.





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Example: India 'A Kerala Outsourcing Initiative'









Digital Culture

- Solar power for rural connectivity
- Internet services
- Satellite transmission

Example: India, Greenstar solar power initiative

Tourism

- Marketing pro-poor tourism
- Bringing tourists to the remote areas
- Community based Tourism Association web site

Nepal, Community based Tourism Association











Virtual Tutor

- Providing virtual tutor for kids in rural Africa
- Creates educational content for rural kids via cell phones
- Educational quizzes and learning tools via SMS

Example: Kenya, Eneza Education











The Future: Entrepreneurship Opportunities from Digital Economy

Apps Development and Coding

- Large, medium, and small app developers.
- Media and software companies
- Finance and retail companies
- Non-tech companies
- Non-profit organizations and government agencies
- Support companies to help manage all the new technology.
- Large companies such as Amazon, Apple, Google, Microsoft, and RIM
- Accounting and IT consulting firms





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The Future: Entrepreneurship Opportunities from Digital Economy

Gaming Industry

- Online games are an extremely popular sector of the entertainment industry
- Significant source of digital employment for young people
- Gaming platforms rely on the outsourcing of small tasks through third-party gaming services like Crowdflower
- Gross revenues of the third-party gaming services industry approximately <u>USD 4.0</u> <u>billion in 2012</u>.

Even higher now.....











The Future: Entrepreneurship Opportunities from Digital Economy

Green Jobs with ICTs

- Disaster management
- Natural resource management
- Forestry
- Construction
- Precision agriculture
- Waste management
- Fishing
- Urban planning
- Sustainable agriculture
- Energy efficiency
- Transportation
- Recycling of ICTs







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Critical Success Factors to Success in the Digital **Economy for Sustainable Development and** Innovation







Critical Success Factors

