10th World Telecommunication/ICT Indicators Meeting (WTIM-12)
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TITLE: Advancement toward succeeding the WSIS Targets

Sultanate of Oman Advancement Toward Succeeding the WSIS Targets

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Sultanate of Oman

- **AREA:** 309,500 sq. km.
- **POPULATION:** 2.7 Million
- **CAPITAL:** Muscat
- **LIFE EXPECTANCY:** 76.1 years
- **POPULATION DENSITY:** 9.0
- **The SULTANATE IS DIVIDED INTO 11 MAIN ADMINISTRATIVE Governorates**
- **GDP per capita (current US$) :** 25,221 (World Bank 2011)
- **GNI per capita:** $ 20,194
- **CURRENCY:** 1 OMR = US $2.58
- **TIME DIFFERENCE:** GMT + 4 hours

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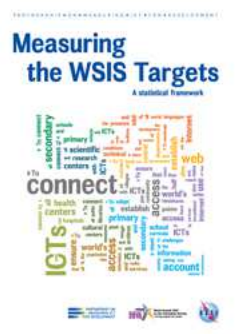
Measuring the WSIS Targets

- Oman is closely following the :
  - WSIS Action Plan and committed to achieve the targets.
  - The international guidelines and methodologies measuring the WSIS targets towards 2015
- Oman has advanced in many sectors such as Education and Health.
- Today, we are presenting Oman's experience in Measuring the WSIS targets



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Target 3: ICT Access and Usage in Higher Education

Indicator	2011	2010
– **Higher Education Institutions:**		
• Offering ICT Majors	62 %	60 %
• ICT Majors out of Total Majors	18 %	18 %
• Total No. of Computers	32,721	27,665
• Computers Connected to the Internet	99 %	97 %
• With website presence	77 %	64 %
• Offering Wi-Fi	88 %	71 %
– **Admin Employees with :**		
o ICT skills	73 %	71 %
o ICT Major	14 %	22 %
– **Academic Employees with :**		
o ICT skills	85 %	86 %
o ICT Major	15 %	14 %
– **Students**		
• Enrolled in ICT Majors	19 %	18 %
• Male	40 %	47 %
• Female	60 %	53 %

Target 5&6: ICT Government Survey

Indicator	2011	2010
Percentage of Employees with ICT Skills	61.2%	43%
Employees to Computer Ratio	1.3	1.4
Percentage of Computers Connected to the Internet	72.4%	83%
Percentage of Employees Routinely Using Computer at Work	51%	44%
Percentage of Employees Routinely Using Internet at Work	34%	39%

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Cont. Target 5&6: ICT Government Survey

Indicator	2011	2010
Estimated Percentage of Govt. Employees Using Email as a Mean of Communication – External Communication	94%	94%
Estimated Percentage of Govt. Employees Using Email as a Mean of Communication – Internal Communication	90%	85%
Percentage of Govt. Entities with an Intranet	98%	87%
Percentage of Govt. Entities linked to any Network	90%	91%

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Target 1,8 & 10: Infrastructure Indicators

Indicator	Mar 2012
Mobile Penetration per 100 Inhabitants	177.63%
Active Mobile Broadband Subscribers Penetration per 100 Inhabitants	44.22%
Fixed Internet Subscribers penetration per 100 Households	24.22%
Estimated Internet Users Penetration per 100 Inhabitants	89.56%
Indicator	**Census 2010**
Proportion of Households with a Radio (Omani)	43%
Proportion of Households with a TV (Omani)	97%

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Target 2&7: ICT Indicators in General Education Survey 2010 - Sultanate of Oman

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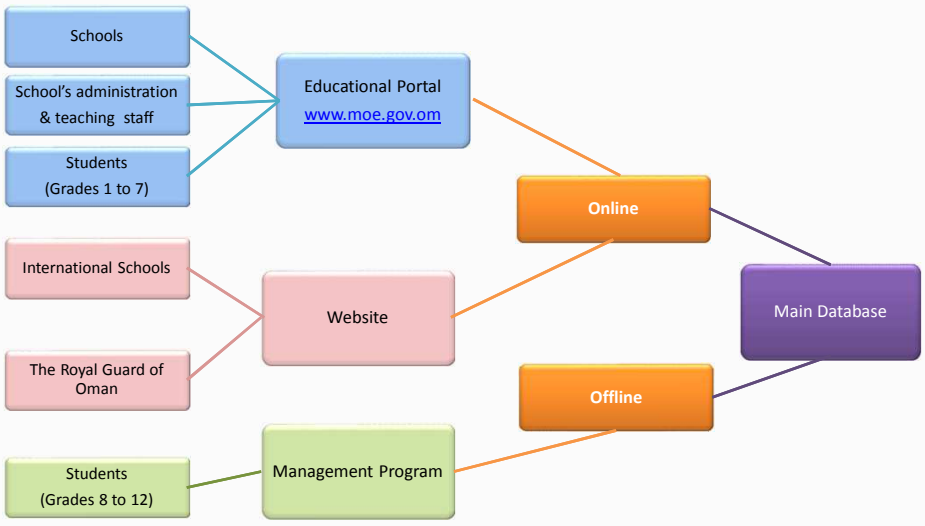
Data Flowchart



- Note: Public, private schools, and Islamic Institutions 's data were entered through Educational Portal

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Survey Results

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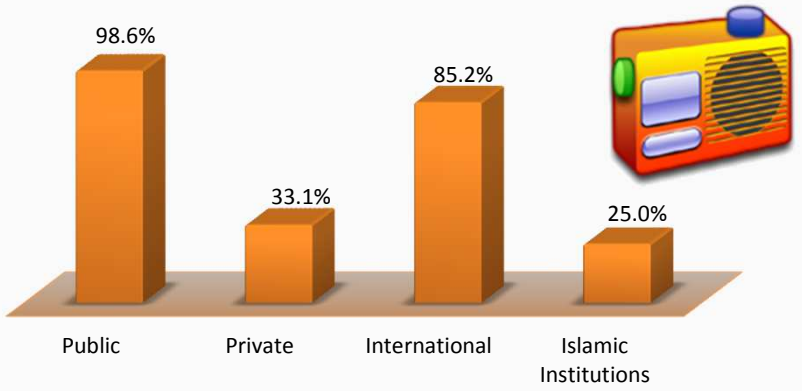
Cont..... Survey Results

ED1: Proportion of Schools with a Radio Used for educational purposes



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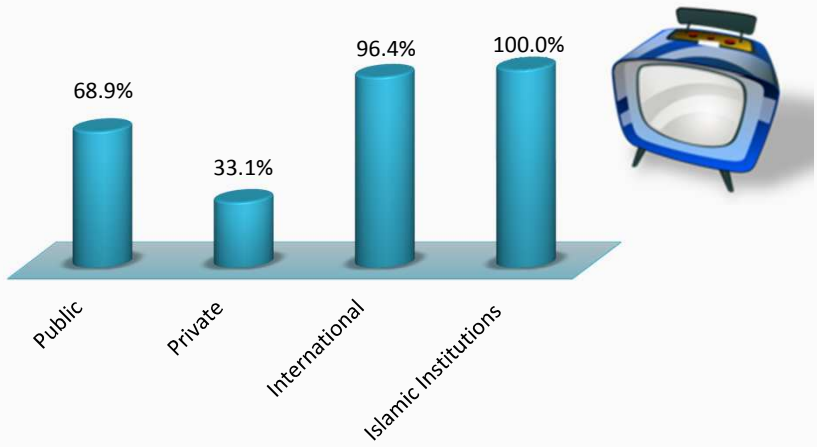
Cont..... Survey Results

ED2: Proportion of Schools with a Television Used for Educational Purposes



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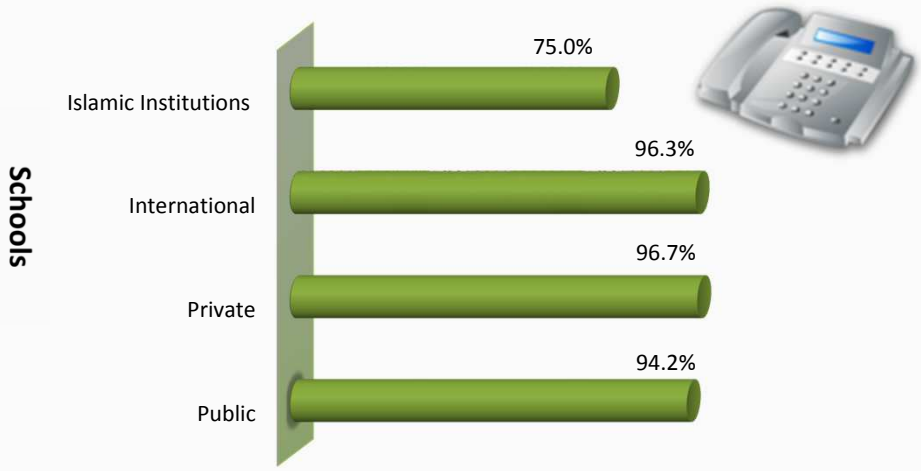
Cont..... Survey Results

ED3: Proportion of schools with a telephone communication facility



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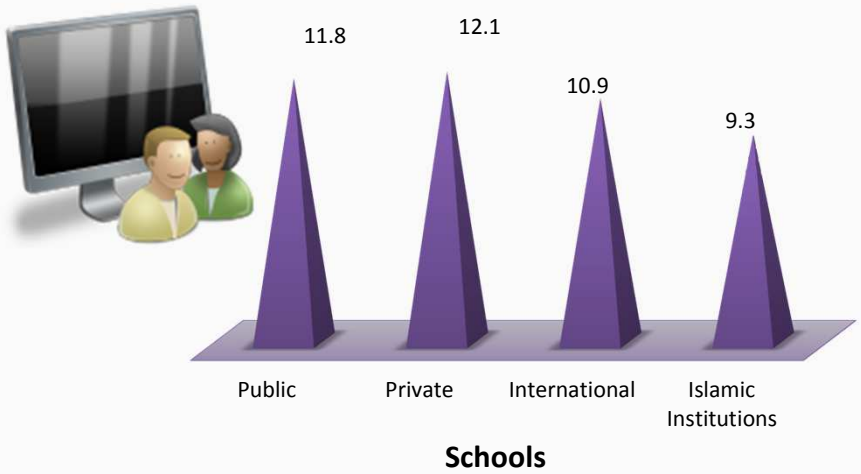
Cont..... Survey Results

ED4: Learners-to-computer ratio in schools with computer-assisted instruction



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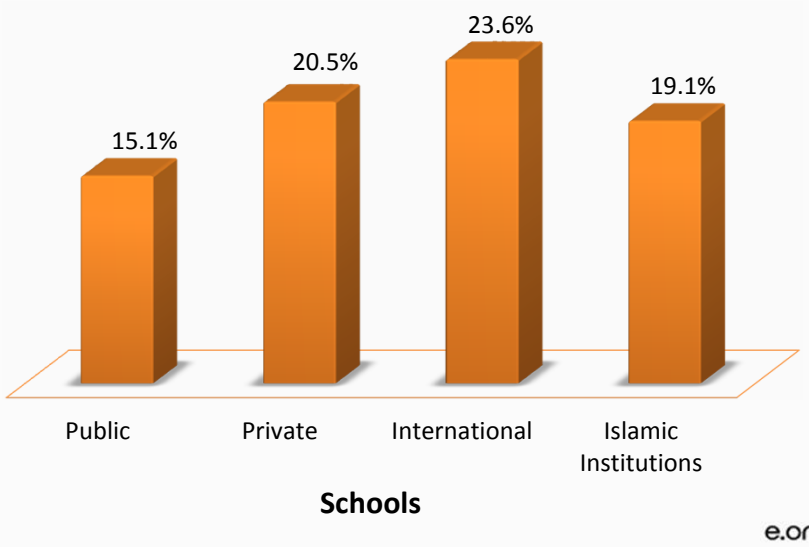
Cont..... Survey Results

ED5: Proportion of schools with Internet access

Cont..... Survey Results

ED8: Proportion of ICT-qualified teachers in schools



Cont..... Survey Results

ICT Indicators - School

35 indicators:

- Type of telephone connection:
  - fixed line
  - mobile phone connection
  - both fixed line and a mobile connection
- Website Presence
- Usage of Management Programs
- Usage of Education Portal
- Having (computer labs, educational resource center (ERC), in-class computers)
- Purpose of Using Computers (admin/teach)
- The main reasons of not connected to the Internet.
- …etc.

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Cont..... Survey Results

ICT Indicators - School Administration /Teaching Staff

22 indicators:

- ICT Qualification of Administration /Teaching Staff
- ICT Usage by School Administration /Teaching Staff
- Reasons for School Administration /Teaching Staff not having a computer at home.
- …..etc.

ICT Indicators - Students

11 indicators:

- Using: (Computer, Internet, e-mail, Digital Camera…etc)
- Having: (Mobile Phone, PC at home…etc)
- Can create a website.
- Reason of using the Internet.
- …etc..

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Challenges

- Internet connectivity
- Availability of Computers
- Coverage of the whole stakeholder
- Data of the private schools needs to be updated
- Updating the profile of the students

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Lessons Learnt

- **Globalization** and the increasing importance of knowledge in the development process
- **Affordability:** facing these new challenges will be costly. Thus, MENA countries will have to consider not only how education will be delivered but also how it will be paid for if they are to succeed.
- **Additional reoccurring issues across all Arab States including Oman were:**
  - The lack of Arabic content and opportunities for sharing them between countries
  - Teacher training and the incentives for change
  - Leadership in applying ICT in education
  - Research, monitoring and assessment of impacts, as to inform decision-making
  - Learning Management Systems as a source of relevant data if aggregated from individual schools to system level.

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Conclusion & Suggestions

- ICT skilled teaching + admin staff
- Mobile learning and using smart phones(applications)
- The ICT curriculums
- Measuring the impact of using ICT in education
- List of experts who will help in advising for the surveys

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Thank You

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