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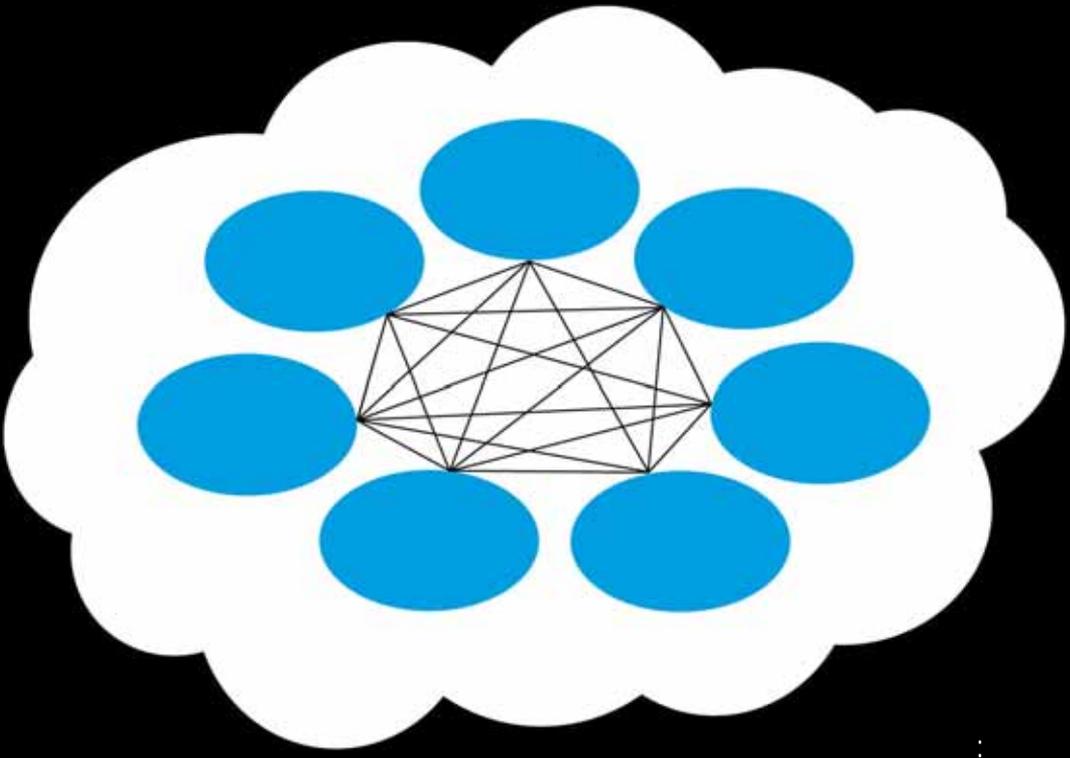.(LDC)   "

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"Internet encyclopaedias go head to head", Nature 438: 900–901, Jim Giles, December 2005 at: http://www.nature.com/nature/journal/v438/n7070/   6
.full/438900a.html; "Wikipedia survives research test", BBC, 15 December 2005 at: http://news.bbc.co.uk/2/hi/technology/4530930.stm

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الشكل: 2010
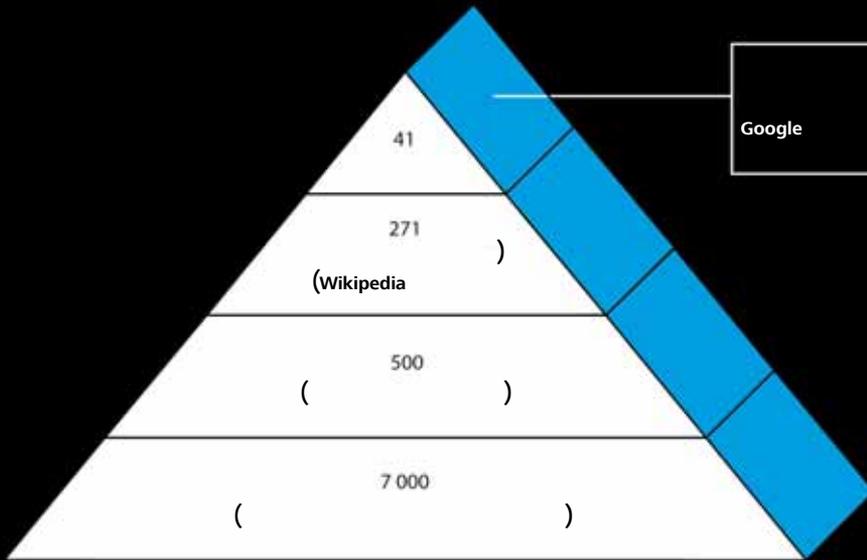
Wikipedia   (   ) SIL International   Ethnologue

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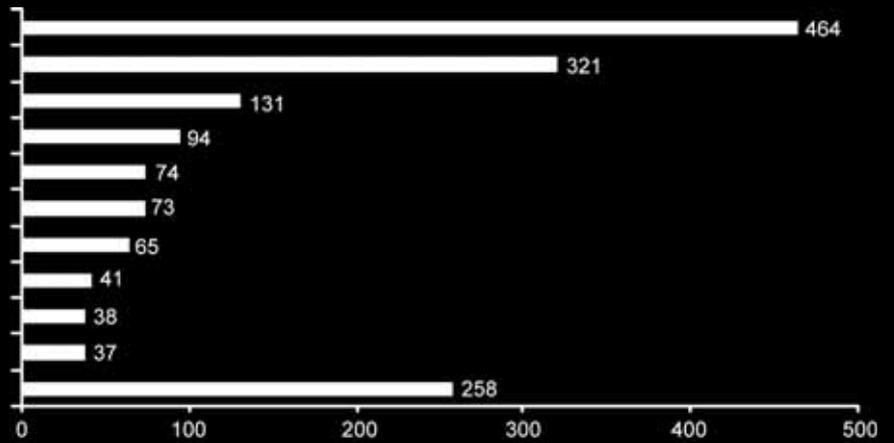
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12 :   2010   : www.un.org/millenniumgoals.

13 :   2010   : www.un.org/millenniumgoals.

14 :   World Telecommunication/ICT Development Report 2010   :http://www.itu.int/ITU-D/ict/publications/wtdr_10.

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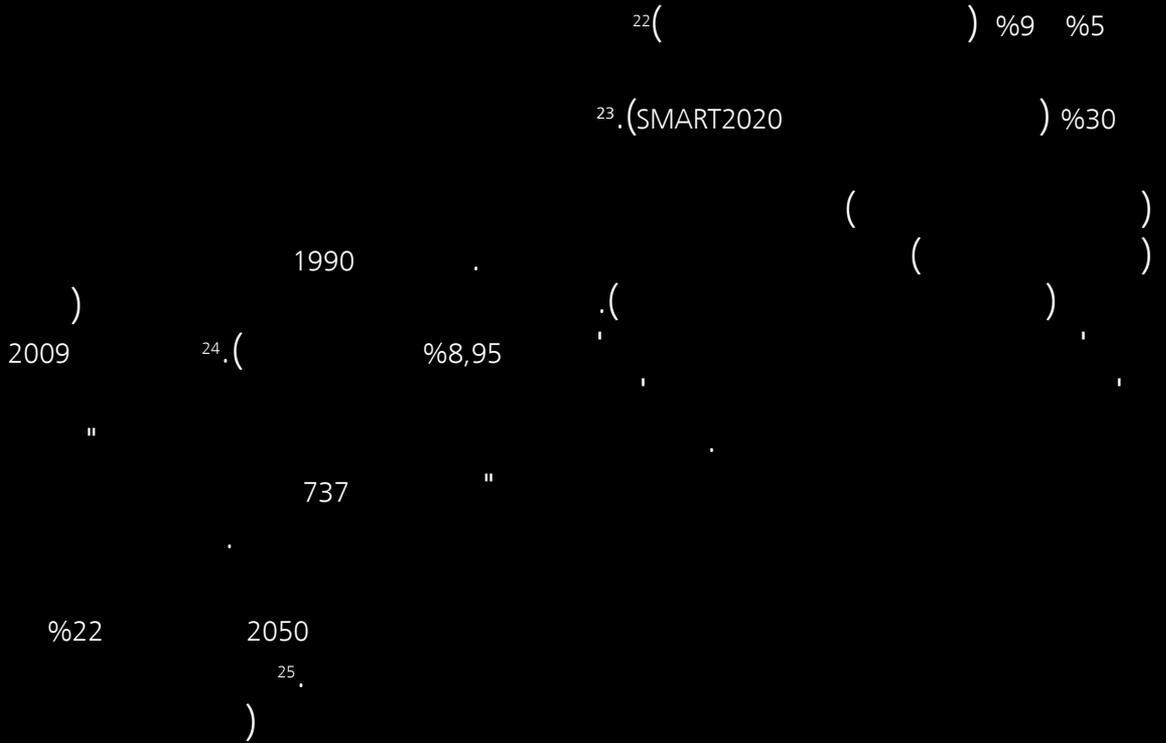
22   "Connecting Smart Grids & Climate Change", Silver Spring Networks, November 2009 : http://www.silverspringnet.com/pdfs/
.SSN_WP_ConnectingSmartGrid-1109.pdf

23   "SMART2020: Enabling the Low Carbon Economy in the Information Age", The Climate Group/GeSI, 2008 :
.http://www.smart2020.org/_assets/files/02_Smart2020Report.pdf

24   2001 : .http://www.who.int/whr/2001/annex/en/

25   "Ageing and Population" : http://www.un.org/esa/population/publications/ageing/ageing2009
chart.pdf

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.Philips Medical[28]

.2045[27]

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26　http://www.un.org/esa/population/publications/WPA2009/WPA2009_WorkingPaper.pdf.

27　United Nations, World Population Prospects 2004, Prepared by Larry Rosenberg and David Bloom (Harvard University) "Global

Demographic Trends", IMF magazine, September 2006. http://www.imf.org/external/pubs/ft/fandd/2006/09/picture.htm :

28　Philips Healthcare 2010 /

http://www.ftthcouncil.eu/home/latest_news/hot_news_from_the_ftth_conference_in_lisbon!/?cid=37&nid=527&catid=8.

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(Fourth-Generation Mobile Telephony)	**4G**
(Acquired Immune Deficiency Syndrome)	**AIDS**
(Code Division Multiple Access)	**CDMA**
(Data Over Cable Service Interface Specification)	**DOCSIS**
(Digital Subscriber Line)	**DSL**
(Enterprise Resource Planning)	**ERP**
(Evolution-Data Optimized) EV-DO	**EV-DO**
(Fibre-To-The-Home)	**FTTH**
(Gross Domestic Product)	**GDP**
(Greenhouse Gas)	**GHG**
(Global Positioning System)	**GPS**
(Global System for Mobile Communications)	**GSM**
(Human Immunodeficiency Virus)	**HIV**
(High-Speed Downlink Packet Access)	**HSDPA**
(Information and Communication Technology)	**ICT**
(IP Multimedia Subsystem)	**IMS**
(International Mobile Telecommunications)	**IMT**
(Internet Protocol)	**IP**
(Intellectual Property Rights)	**IPRs**
(Internet Service Provider)	**ISP**
(International Telecommunication Union)	**ITU**
(Internet exchange point)	**IXP**
(Least Developed Countries)	**LDCs**
(Long-Term Evolution)	**LTE**
(Millennium Development Goals)	**MDGs**
(National Broadband Network)	**NBN**
(Official Development Assistance)	**ODA**
(Organisation for Economic Co-operation and Development)	**OECD**
(Public-Private Partnership)	**PPP**
(Poverty Reduction Strategy Paper)	**PRSP**
(Research & Development)	**R&D**
(Small Island Developing States)	**SIDS**
(Small- and Medium-sized Enterprises)	**SMEs**
(Transmission Control Protocol) /	**TCP**
(Universal Mobile Telecommunications System)	**UMTS**
(UN Department for Economic and Social Affairs)	**UNDESA**
(UN Economic Commission for Africa)	**UNECA**
(UN Economic Commission for Europe)	**UNECE**
(UN Economic & Social Commission for Asia and the Pacific)	**UNESCAP**
(United Nations Educational, Scientific and Cultural Organization)	**UNESCO**
(UN Economic & Social Commission for Western Asia)	**UNESCWA**
(Universal Primary Education)	**UPE**
(Wholesale Applications Community)	**WAC**
(World Health Organization)	**WHO**
(Wireless Local Area Network)	**WLAN**
(World Summit on the Information Society)	**WSIS**