Internet Civilization

The Internet, a look forward: Social, political, and technical perspectives

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The Internet Bridging The Verticals

Internet
Data for “beyond the borders”

IoT/Data

Internet

Collaboration
De ‘SILO’ = beyond the silo walls
API (Application Interface)
WEB
TCP/IP
Ether, WiFi, Bluetooth
Fiber, Mobile Wireless, Satellite
SDN and NFV
The Internet
Internet Users

Europe
105M

Asia
114M

North America
108M

Middle East
3.3M

Africa
4.5M

Oceania & Australia
120M

Latin America & Caribbean
18M

2000
361M
6%

Internet World Stat: http://www.internetworldstats.com
Internet Users

- Europe: 604M (73.5%)
- Middle East: 115M (49%)
- Africa: 313M (27%)
- Asia: 1.56B (38.8%)
- Oceania & Australia: 27M (72.9%)
- North America: 314M (87.9%)
- Latin America & Caribbean: 333M (53.9%)

Penetration (% population)

2015: 3.27B (45%)

Internet World Stat: http://www.internetworldstats.com
Internet Users

- **Europe**: 614M (73.9%)
- **Middle East**: 115M (49%)
- **Africa**: 339M (28.6%)
- **Asia**: 1.79B (44.2%)
- **Oceania & Australia**: 27.5M (73.3%)
- **North America**: 320M (89.0%)
- **Latin America & Caribbean**: 384M (61.5%)

Penetration (% population) for 2016:
- 3.6B (49.2%)

Internet World Stat: http://www.internetworldstats.com
Internet Users

- Europe: 660M, 80.2%
- Middle East: 147M, 58.7%
- Africa: 388M, 31.2%
- Asia: 1.94B, 46.7%
- Oceania & Australia: 28.2M, 69.6%
- Latin America & Caribbean: 404M, 62.4%
- North America: 320M, 88.1%

Penetration (% population)

2017
3.8B
51.7%

Internet World Stat: http://www.internetworldstats.com
Internet Users in the World by Regions - June 30, 2017

- Asia: 49.7%
- Europe: 17.0%
- Lat Am / Carib.: 10.4%
- Africa: 10.0%
- North America: 8.2%
- Middle East: 3.8%
- Oceania / Australia: 0.7%

Source: Internet World Stats - www.internetworldstats.com/stats.htm
Basis: 3,885,567,619 Internet users in June 30, 2017
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Personal Fabrication on the Internet

- The Internet
  - 1969: ARPAnet
  - 1990: WWW
  - 1995: Windows’95
  - 1998: Google
  - 2000: Web2.0
  - 2006: SNS
  - 2010: Digital FAB

- Computer
  - Mainframe
  - Minicomputer
  - PC
  - Smartphone

- Fabricator
  - Factory
  - Studio
  - Professional Fabricator
  - Personal Fabricator

FAB: Manufacture on the Internet
Internet is for Everyone
‘We’ to Everyone
Everyone and Everything
‘We’ are for Everyone and Everything
No Areas of Life without the Internet
Continue Technical Challenges
For this Planet
Technology For this Planet
Do not Politicize the Internet