Benefit from Digital Innovation Hubs to connect the unconnected in Europa, Norway and Africa - Webinar 11Mai2021

Next Generation Internet in a Societal Perspective

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“Internet had the ability to dismantle the divide. Internet failed miserably, the divide is bigger than ever.”
Kate Gilmore, Human Rights, UNO

Starting Point:
Next Generation Internet as basis for empowerment and trust

Internet Statistics Q3.2020

India: 59.4%

India: 40.6%

47.1%

have used the Internet

Q3.2020

http://internetworldstats.com

ASIA INTERNET USE, POPULATION STATISTICS DATA AND FACEBOOK DATA - JUNE 30, 2020

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<td>India</td>
<td>1,380,004,385</td>
<td>6,000,000</td>
<td>560,000,000</td>
<td>40.6 %</td>
<td>24.3 %</td>
<td>251,000,000</td>
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Source: [http://www.michaelkaul.de/History/history.html](http://www.michaelkaul.de/History/history.html)
The Internet and Scandinavia

- Internet: June 1973 to Kjeller
- List_of_Internet_pioneers [Wikipedia]
  - Yngvar Lundh, Paal Spilling
- Application development
  - .php, OpenSource, Linux, Skype, Spotify
  - OperaSoftware, FAST Search
  - Nokia, Ericsson
  - Telenor, Telia
- Mobile Internet:
  - GSM
  - Service adaptation
Internet and the SDGs in Africa
Source: afrobarometer.org

- Public Opinion on SDGs
- Priorities by people in Africa
  - decent work
  - zero hunger
  - good health
  - ...

Reality of the Digital Divide

- Internet through the mobile network
  - Mobile network is business-driven

- “Boys have the toys”
  - digital divide in both devices
  - Example Smartphone ownership: 33% male, 16% female (Bangladesh)

- mobile broadband access

TZ: 640 USD for 4 Mbit/s
GH: 600 USD for 5 Mbit/s
KE: 600 USD for 10 Mbit/s

“every single month”
Affordable Energy & Internet Lite for All
the catalysts for the goals

3 Good Health and Well-being

4 Quality Education

5 Gender Equality

8 Decent Work and Economic Growth

10 Reduced Inequalities

7 Affordable and Clean Energy

9 Industry, Innovation and Infrastructure

16 Peace, Justice and Strong Institutions

17 Partnerships for the Goals

Showcase “Non discriminating access” project
- funded by RCN and Mfa/Norad (14.9 MNOK for 2017-2020)
- Tanzania: digital health
- Mali: energy
Providing Internet for All

- **Free access** to **Information** (Internet Lite)
  - 1) Access - one **Information Spot** per village
  - 2) Skills - Health, Education, Agriculture
  - 3) Regulations - Freemium model
  - 4) Inclusion - Free access for all #LeaveNoOneBehind

- Internet Lite & **Freemium** model for access
  - **free access to National Knowledge Portal** for all
  - **premium** access to broadband
  - sustainable solution

“Providing Internet to the basic of the pyramid isn’t a question of affordability, but rather a question of sustainability”

Internet Governance Forum, Panel, WIN

+18 dB
>20 km

At least one **Information Spot** per village
Decentralised value creation

- Freemium model for access
  - free access to **Internet Lite**
  - premium access to broadband

- support Community Networks
  - democratise the access to the Internet
  - **InfoSpots** with local content
  - increase the value in the society

https://basicinternet.org/internet-lite-to-the-migoli-high-school/AMP/
Communities driving the change:
Catherine connects schools

10 schools in 10 areas in one month scale-up now…
Technology Used

http://Solutions.BasicInternet.no
Societal needs as driver for a decentralised 6G

May 2021, Josef Noll
Societal needs as driver for a decentralised 6G

May 2021, Josef Noll
Societal needs as driver for a decentralised 6G

May 2021, Josef Noll
Free access to information - in Ethiopia

- Government Ethiopia - Agreement
  - “free access to health & education”
  - Ministry of Health
  - Ministry of Education

- Ethio Telecom offers “zero rating”
  - Health (MoH): MoH.gov.et
  - Education: National Digital Library NDL.ethernet.edu.et

- follow-up from discussions after African Innovation Week (AI
Next Generation Internet: Solutions for ~3.5 Billion non-digital people

- Value proposition:
  - Freemium access: Basic4All
  - Local empowerment, Relevant content (Village empowerment)

- Technology and Skills
  - Local Info Spots
  - Off-line broadband content

- Affordability & Regulations
  - OPEX <20 USD/month per school
  - Public-private partnership
  - Free access to national knowledge portal