

Internet for All

Pre-course meeting for Winter Term 2021/22

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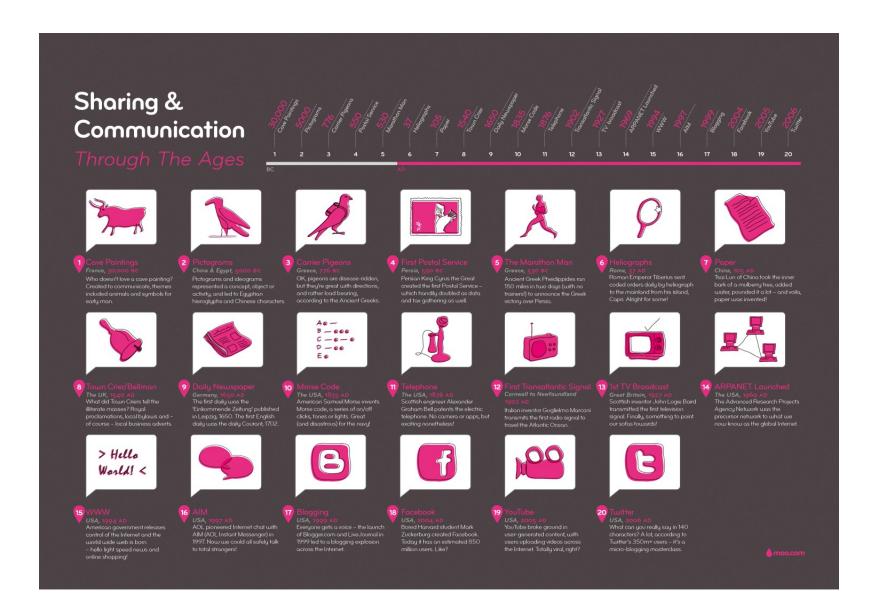
Trinh Viet Doan

Chair of Connected Mobility

July 13, 2021





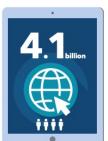




Internet usage keeps growing, but barriers lie ahead

*Individuals using the Internet, 2005-2019**





An estimated 4.1 billion people are using the Internet in 2019, reflecting a 5.3 per cent increase compared with 2018.



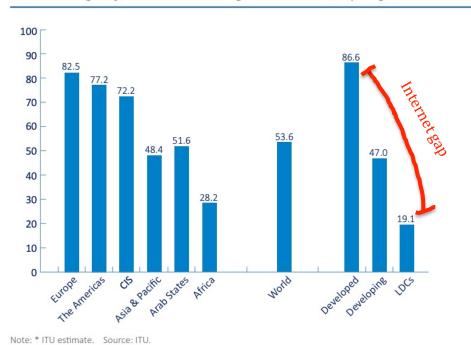
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Between 2005 and 2019, the number of Internet users grew on average by 10 per cent every year.

Note: * ITU estimate. Source: ITU.



Percentage of individuals using the Internet, by region and development status, 2019*

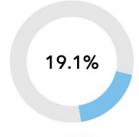


86.6%

population lives in least developed countries!

Most of the offline

Developed Countries



LDCs

In developed countries, most people are online, with close to 87 per cent of individuals using the Internet.

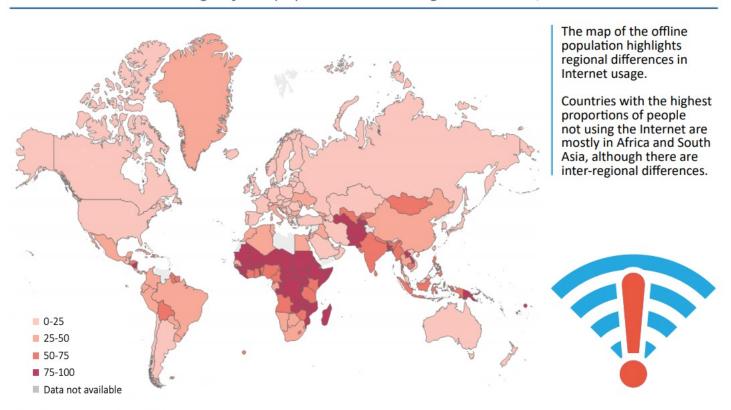
In the least developed countries (LDCs), on the other hand, only 19 per cent of individuals are online in 2019.

Europe is the region with the highest Internet usage rates, Africa the region with the lowest Internet usage rates.





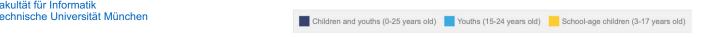
Percentage of the population not using the Internet, 2019*



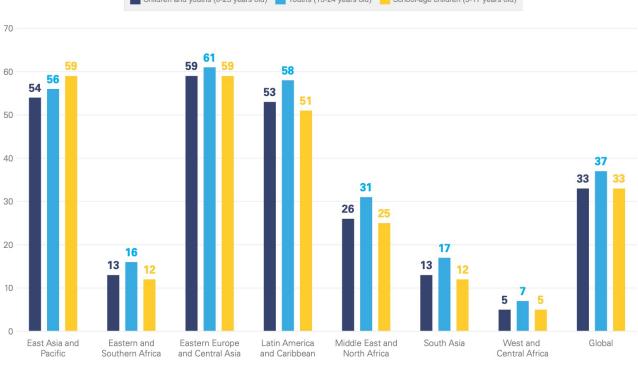
Note: * ITU estimate. Source: ITU.

Percentage of children and young people with internet access at home, by region

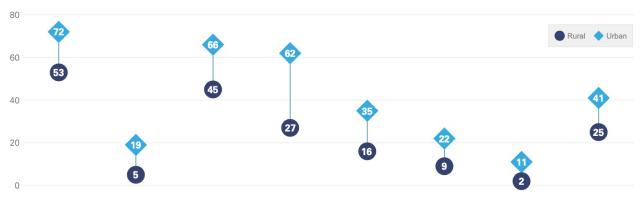




2.2 billion - or 2 in 3 children and young people aged 25 years or less - do not have internet access at home



Percentage of children and young people aged 25 years or less with internet access at home, by place of residence

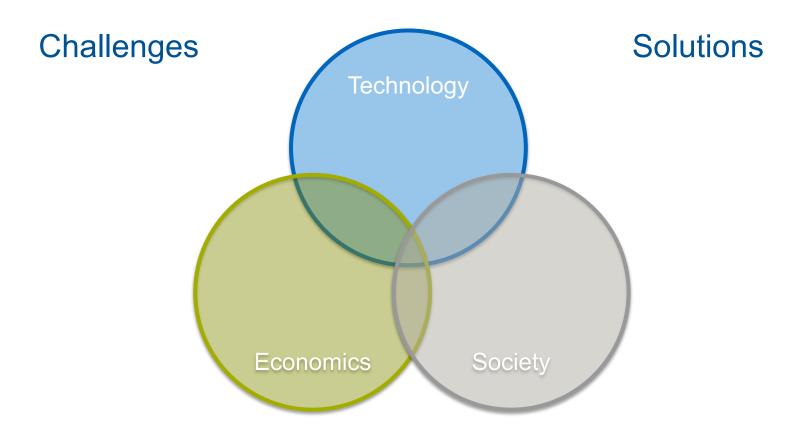




What causes the gap?

How can we bridge the gap?







Meta Theme: Infrastructure













Solutions



MONSTER PROJECTS

COMMUNITY NETWORKS

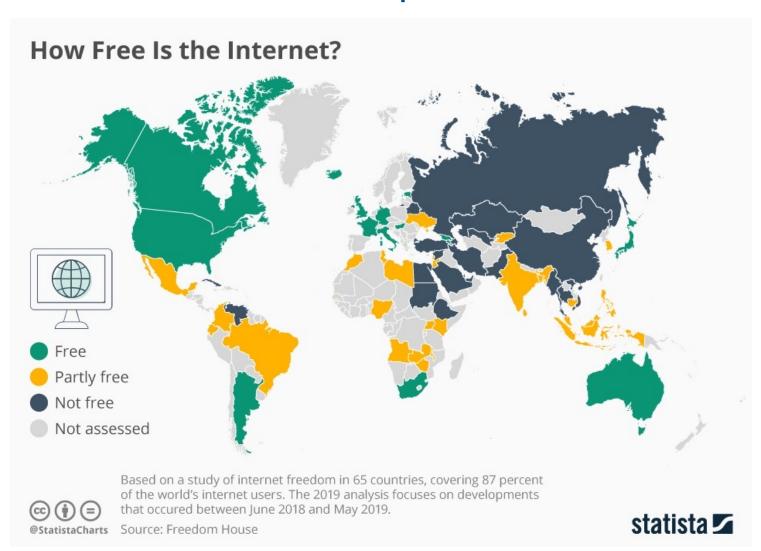


INNOVATIVE ISPs





Meta Theme: Censorship

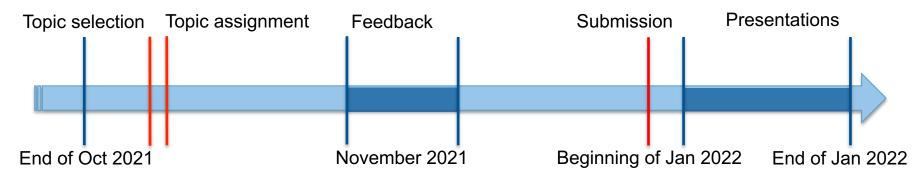




Organization



Seminar Outline & Expectations



Choice

- Pick topic: 3 topics in order of preference email to course admins
- Topic assignment: via mail and in Moodle
- Opponent assignment: at the same time

Preparation

- Skim the papers and pick 3 4 for inclusion
- Find additional resources (1 − 2 papers) from past few years
- Check for relevant (recent) news articles, blogs, or datasets
- Synthesize your findings



Seminar Outline & Expectations (2)

Feedback round

- Short presentation on your material and the line of synthesis
- Pick a unique time slot on a Doodle poll

Final

- Write-up: 6 8 pages double column format (10pt)
- Deadline: Beginning of January 2022
- We will forward this to your "opponent"
- Presentation with slides: 30min (max, incl. Q&A)
- Participation in the discussion
- Read one other student's paper and prepare questions
- Presentations: Mid–End of January 2022



Topics



Topics

- Networking in remote areas
- 2. Localized networking
- 3. Education aspects
- 4. Economics and society
- 5. Censorship
- 6. Bridging the digital divide
- 7. Internet access on the move



More Info

