

UiO **Department of Technology Systems** University of Oslo

"Digital Inclusion for a Better World", Tsinghua University, 8Mar2021

Digital Inclusion and Societal Challenges

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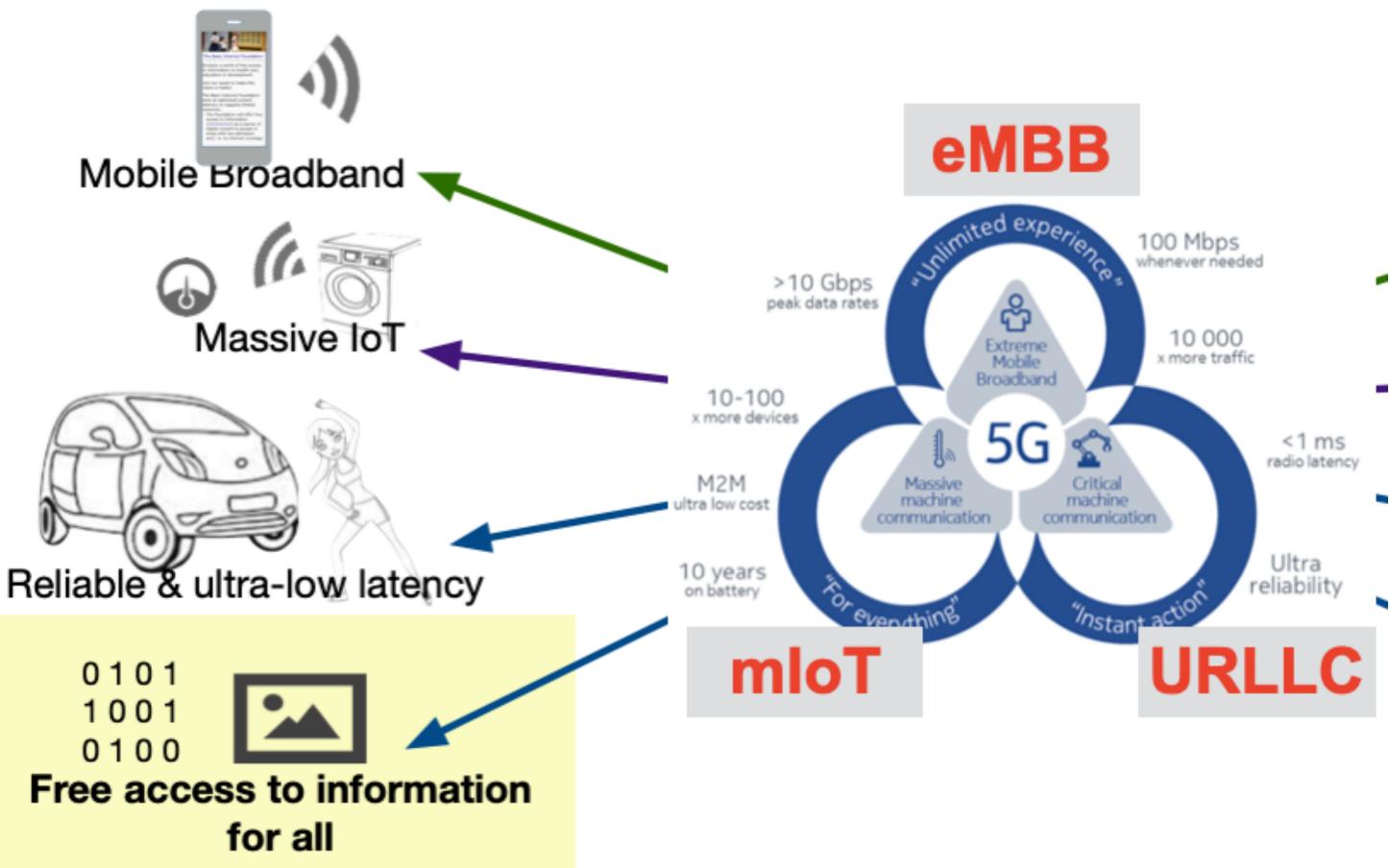




5G - what is missing

➡ #5GforAll

- Rural coverage
- Large cell,
- Iow OPEX sites (low density)
- freemium model for acce
 - free for information
 - premium for the full web



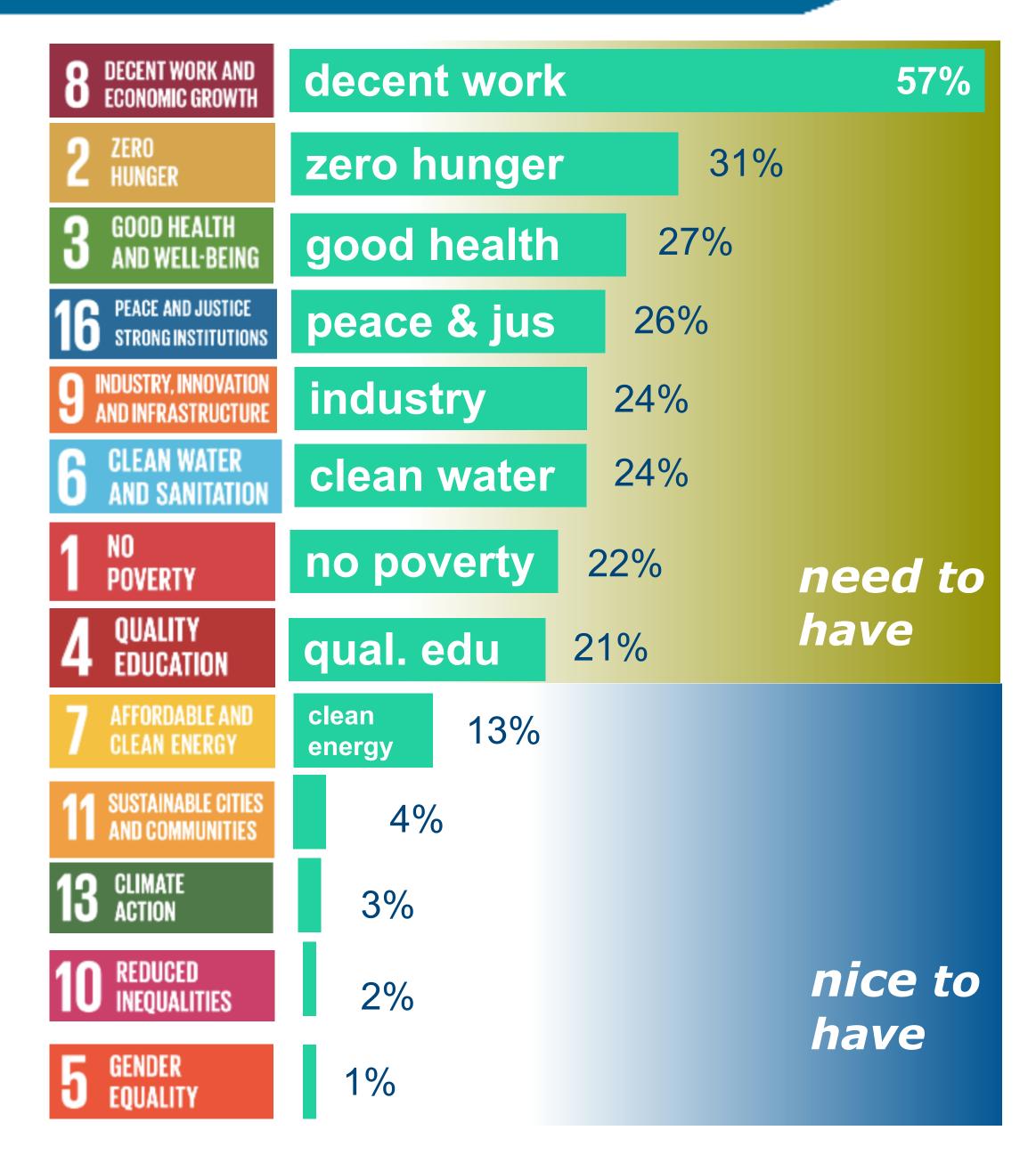


Public Opinion on SDGs (<u>afrobarometer.org</u>)

- Priorities by people in Africa
 - decent work
 - zero hunger
 - good health

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https://blogs.worldbank.org/africacan/how-do-africans-priorities-align-with-the-sdgs-and-government-performance-new-results-from Digital Inclusion and Societal Challenges Mar2021, Josef Noll





Starting Point:

JOSEPH E. STIGLITZ WINNER OF THE NOBEL PRIZE IN ECONOMICS





HOW TODAY'S DIVIDED SOCIETY ENDANGERS OUR FUTURE



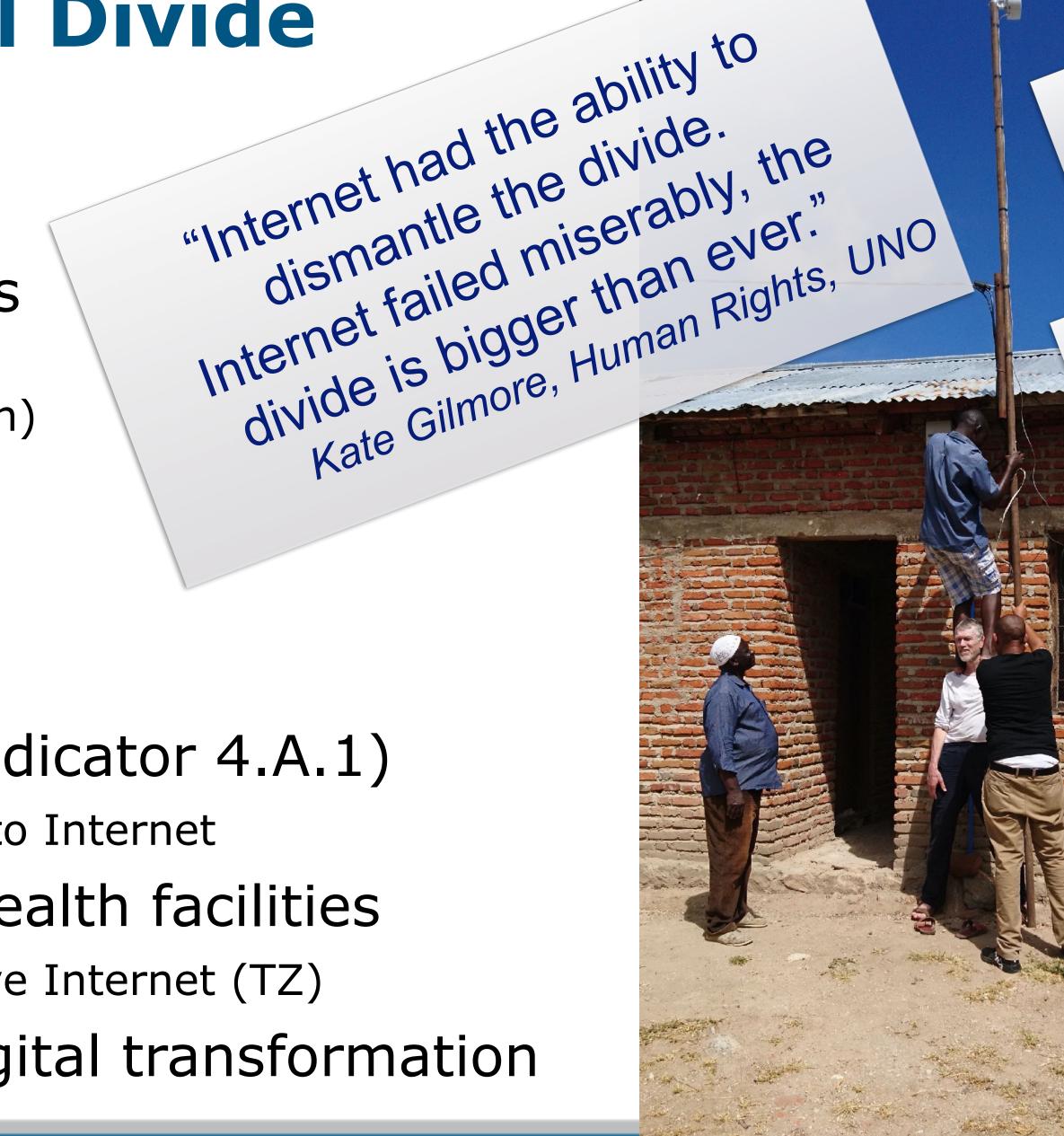
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Reality of the Digital Divide

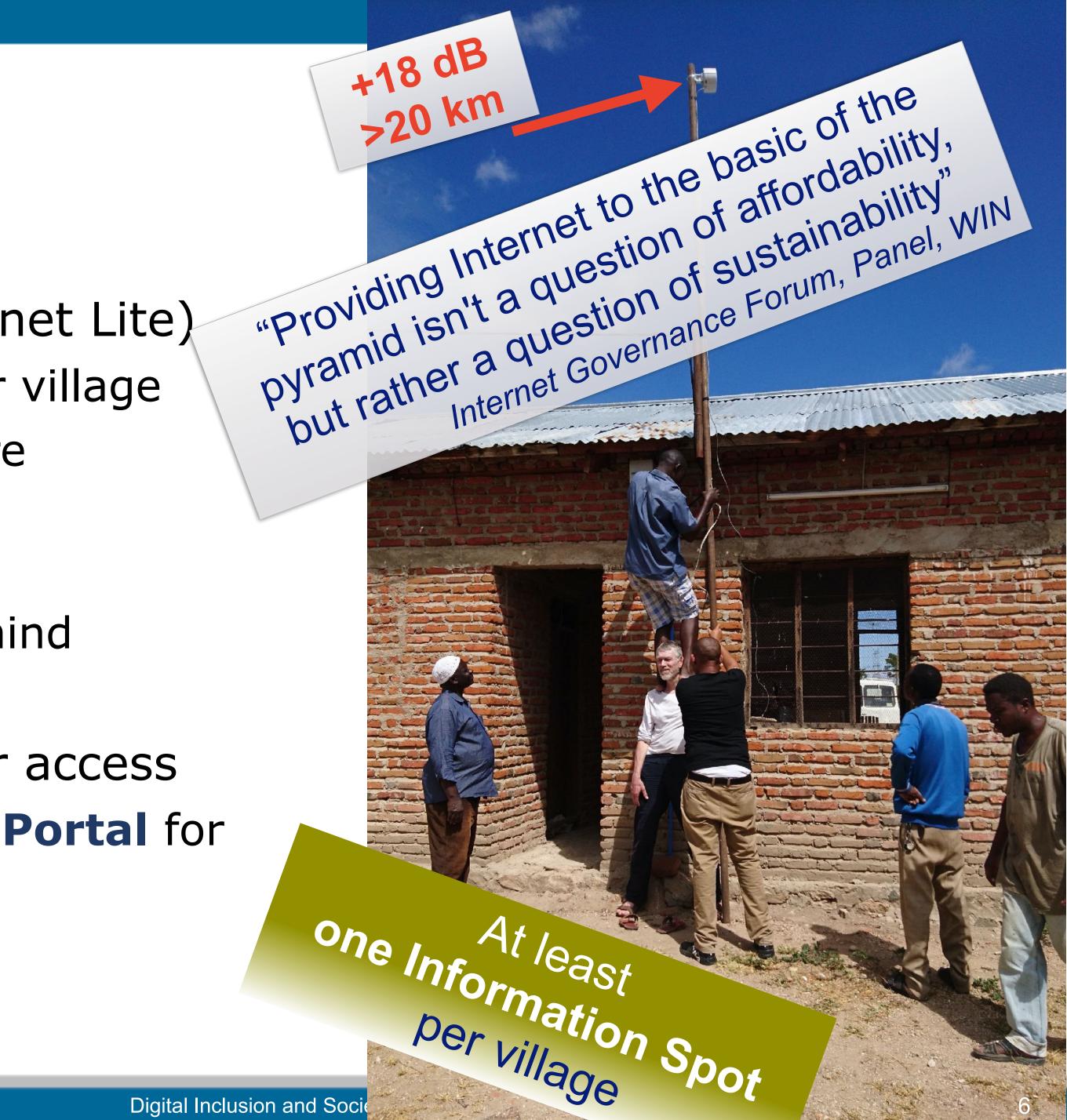
- "Boys have the toys"
 - digital divide in both devices
 - Example Smartphone ownership: 33% male, 16% female (Bangladesh)
 - mobile broadband access
- Costs of Access
 - School connectivity (SDG indicator 4.A.1)
 - TZ: ~3% of schools are connected to Internet
 - Digital Health for primary health facilities
 - <1% of primary health facilities have Internet (TZ)</p>
 - Community involvement/digital transformation





Providing 6G for All

- Free access to Information (Internet Lite)
 - 1) Access one Information Spot per village
 - 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



Addressing Education 5.0 and Global Challenges



