



UiO : University of Oslo



**World Summit, Ministerial Global Governance Summit,
26-28Jun2020**

Session 4: Addressing the Root of the Problem:

Digital Inclusion for Redesigning Democracy

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Foundation**

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Internet Lite for All

the catalyst for the goals



Basic Internet Foundation

Our vision is

**to improve the life of every human
through free access to information
on the Internet**

THE PRICE OF INEQUALITY

JOSEPH E. STIGLITZ
WINNER OF THE NOBEL PRIZE IN ECONOMICS

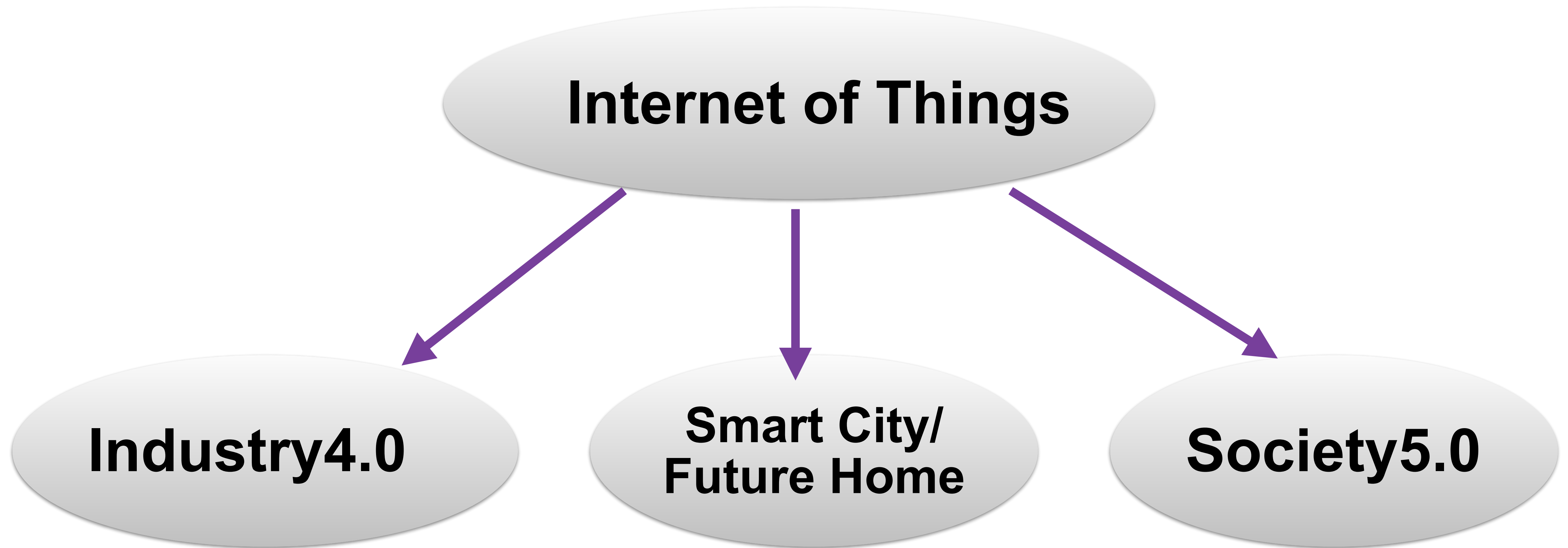
HOW TODAY'S DIVIDED SOCIETY
ENDANGERS OUR FUTURE

Our common future

- The digital divide threatens our society
 - ➔ 3.9 Billion are unconnected
- Huge costs for the society
 - ➔ not sufficient digital skills
 - ➔ not contribution to labour market
- Hampering innovation
 - ➔ no purchasing power
 - ➔ no ability to adopt innovations



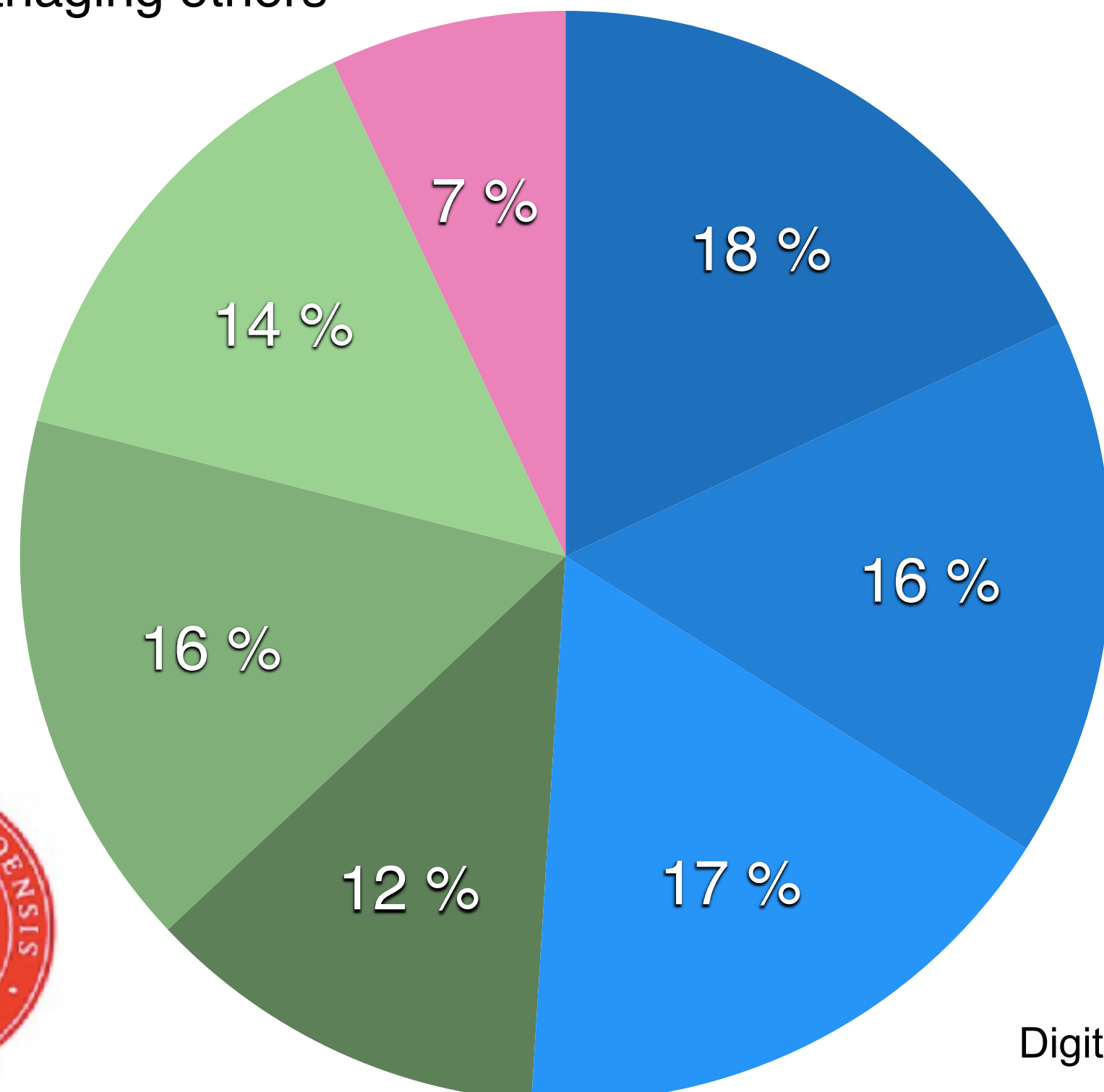
“Internet had the ability to dismantle the divide. Internet failed miserably, the divide is bigger than ever.”
Kate Gilmore, Human Rights, UNO



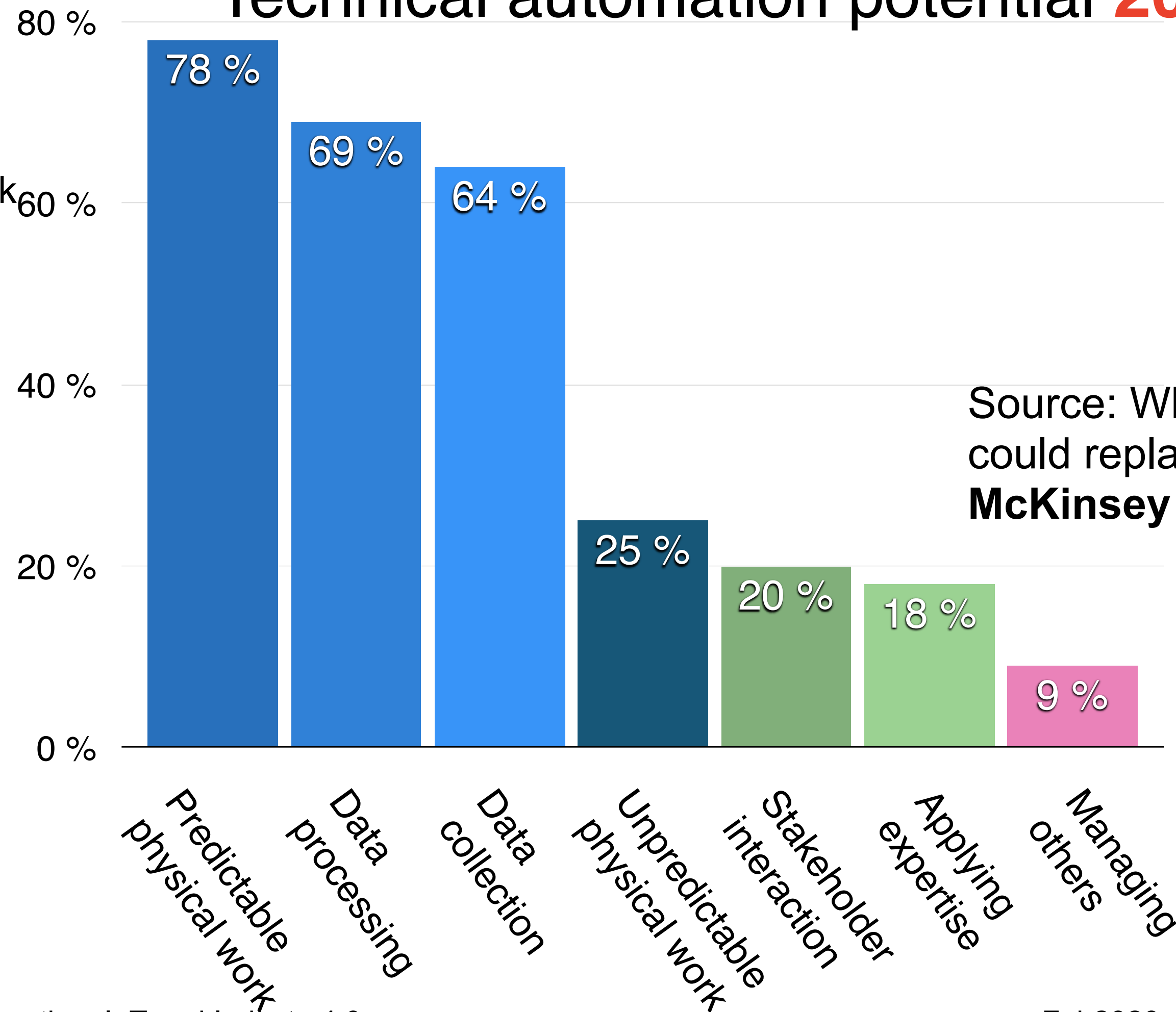
Automation will come

USA work force time spent [%]

- Predictable physical work
- Data collection
- Stakeholder interactions
- Managing others
- Data processing
- Unpredictable physical work
- Applying Expertise



Technical automation potential **2016** [%]



Source: Where Machines could replace humans, **McKinsey 2016**





Example: Decent Work

- Centre for Monitoring the Indian Economy:
- 11 Million jobs lost in 2018
 - ➔ 9 Million in rural areas
 - ➔ 8.8 Million women lost work
- 31 Million look for work
 - ➔ most of them in RUrban area
 - ➔ from 80/20% Rural/Urban to
 - ➔ 70 / 15 / 15% Rural / RUrban / Urban



Economic aspects

- Google in Norway (2019)
 - Income 178 MNOK
 - Tax 4 MNOK (2.2% of income)
- Amazon (2018 data)
 - 20% of revenue from sales of data
 - 10-15% advertisement costs for SMEs
 - 5% own advertisement advantage
 - SUM: **40% advance** as compared to SME



Google Norway AS betalte i fjor 4 millioner kroner i skatt. Inntektene var på 178 millioner og lønnskostnadene på 89 millioner.

[Aftenposten, 2020]

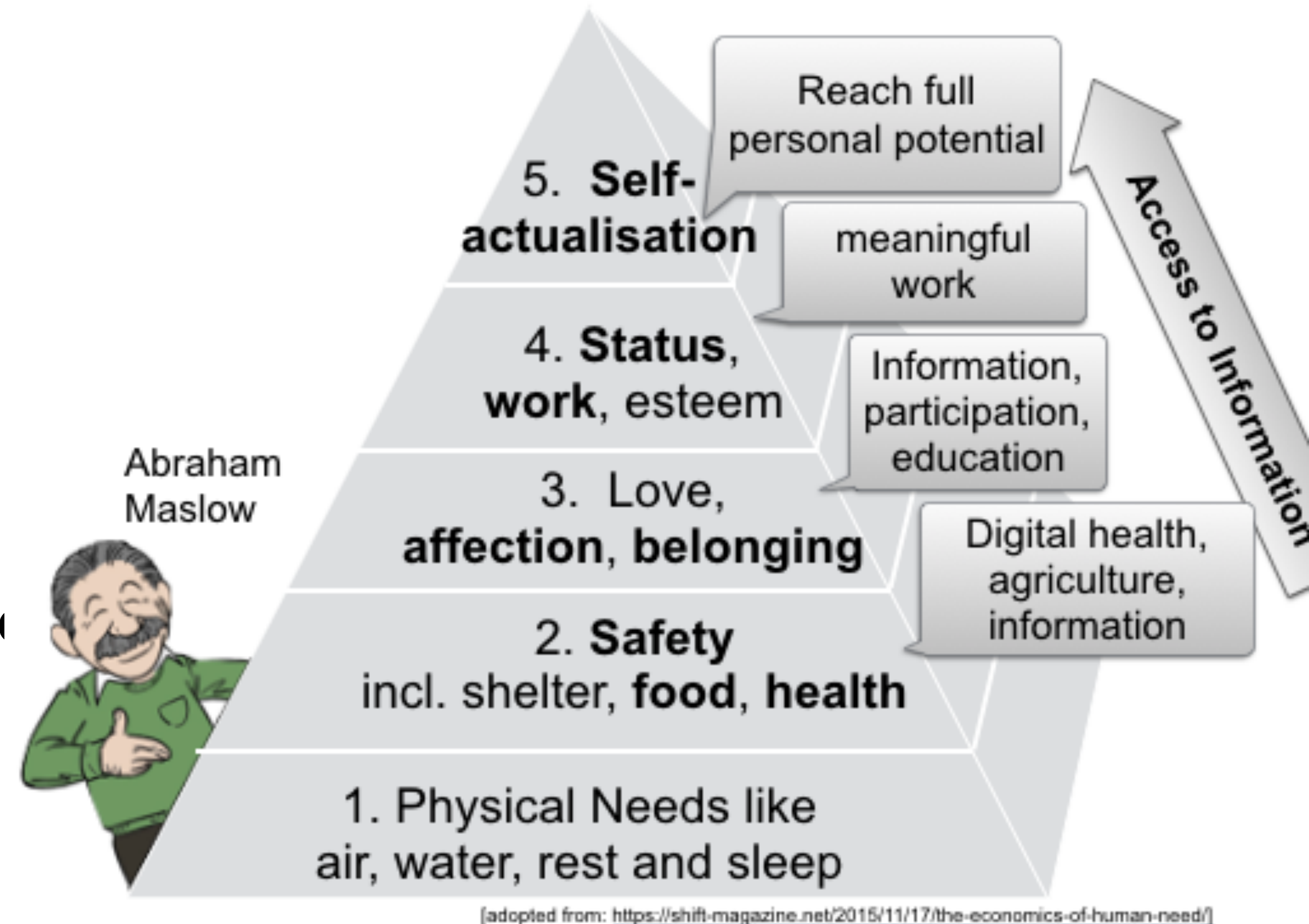
Digital Health for Digital Inclusion and Societal Empowerment

- Digital Health Promotion (**DHP**)

- Disease prevention
- Better Health
- Faster **Response**

- Framework: health, energy & digital

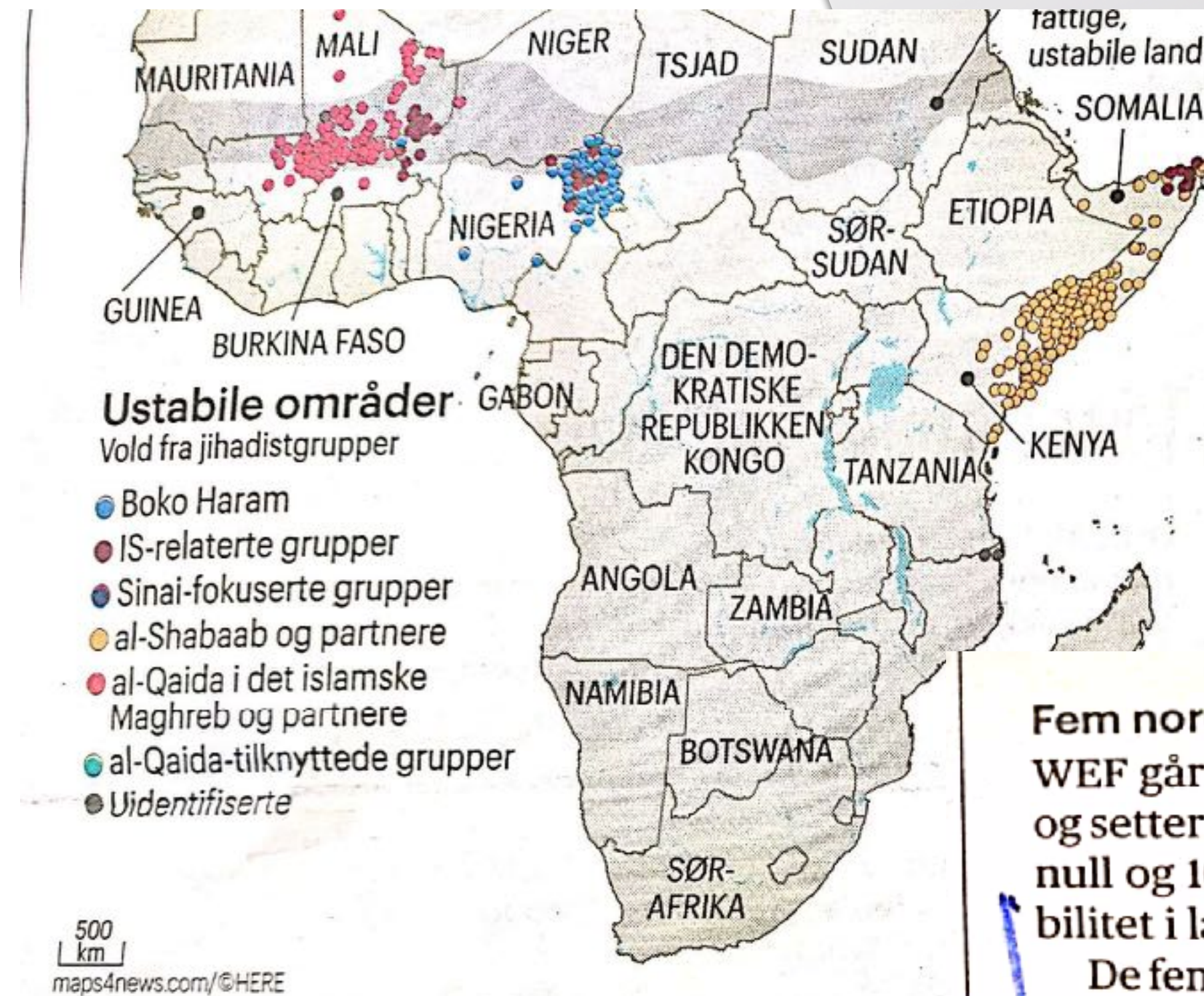
- Empower the society
- **Catalyst** for the Sustainable Development



Impact on the society

- Social Mobility (WEF 2019)
 - ➔ Ability to move up the pyramide
 - ➔ 1) Denmark
 - ➔ 2) Norway
 - ➔ 3-5 other Nordics
 - ➔ then: NL, CH, AU
- No-work
 - ➔ Main driver for instability

70% live in countries with increased divide
IMF panel 2019



oppfattes som rettferdige eller ukorruperte. I Somalia har al-Shabaab gang på gang blitt presset bort fra et område, men så har ingen klart å fylle det med noe som betyr noe for menneskene der, og så kommer al-Shabaab tilbake, sier Bøås.

Det er «asymmetrisk krigføring» i praksis: den ene parten, i disse tilfellene jihadistene, er svakeste part og bruker andre metoder enn det militære. Men de klarer samtidig å utnytte egne fordeler og motpartens svakheter.

- Både al-Shabaab og islamistene i Sahel er smarte nok til å skjønne at de ikke kan vinne militært. Deres langsiktige mål er å

Fem nordiske er fem på topp

WEF går gjennom harde data for 82 land og setter disse sammen til en skår mellom null og 100 for å sammenfatte sosial mobilitet i landene.

De fem nordiske landene tar de fem plassene på toppen. Danmark er best og Norge er nummer to.

På pressekonferanse mandag snakket WEF om «the Nordic dream».

NL, CH, AU

Comparison with the Mobile Network

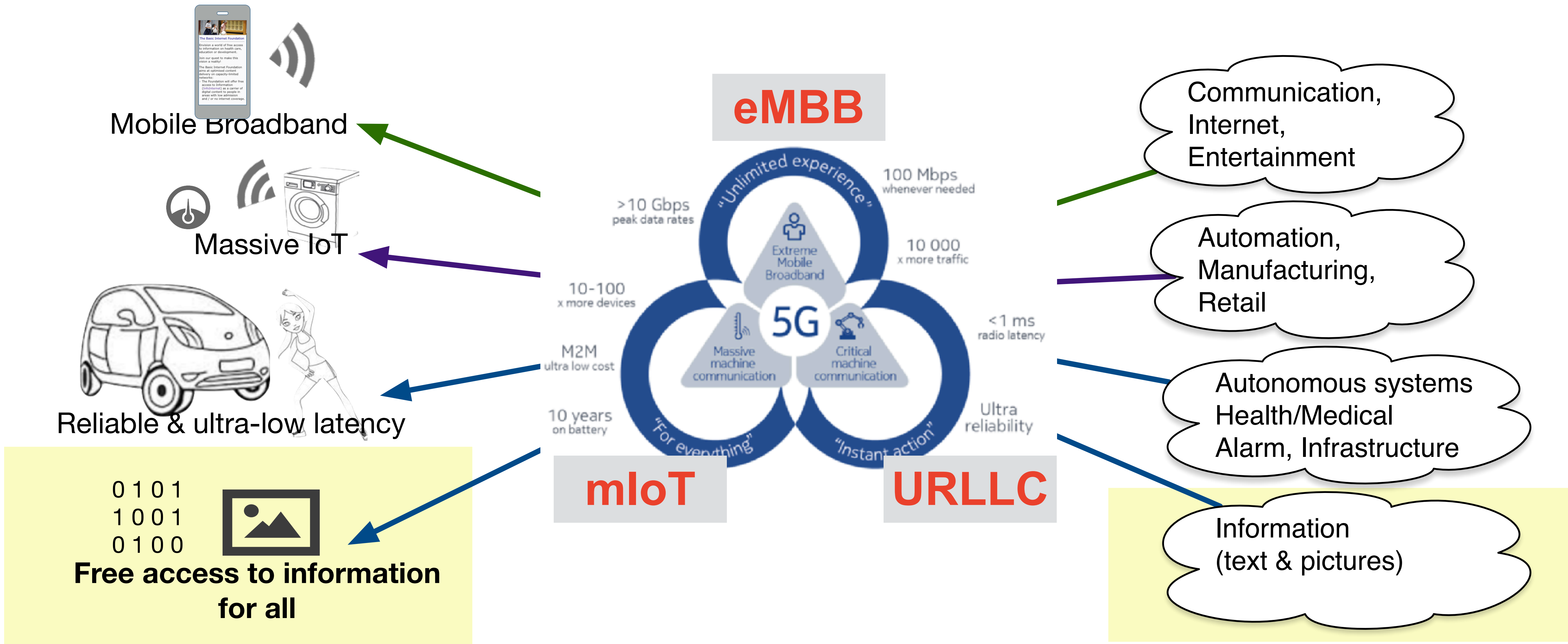
- Facebook's Free Basics
 - ➔ 0-rated content (free usage)
 - ➔ 3-months break even
- The con's of Free Basics
 - ➔ every click goes to Facebook
 - ➔ Net-neutrality
- *"Have control of your data!"*
 - ➔ National Knowledge Portal



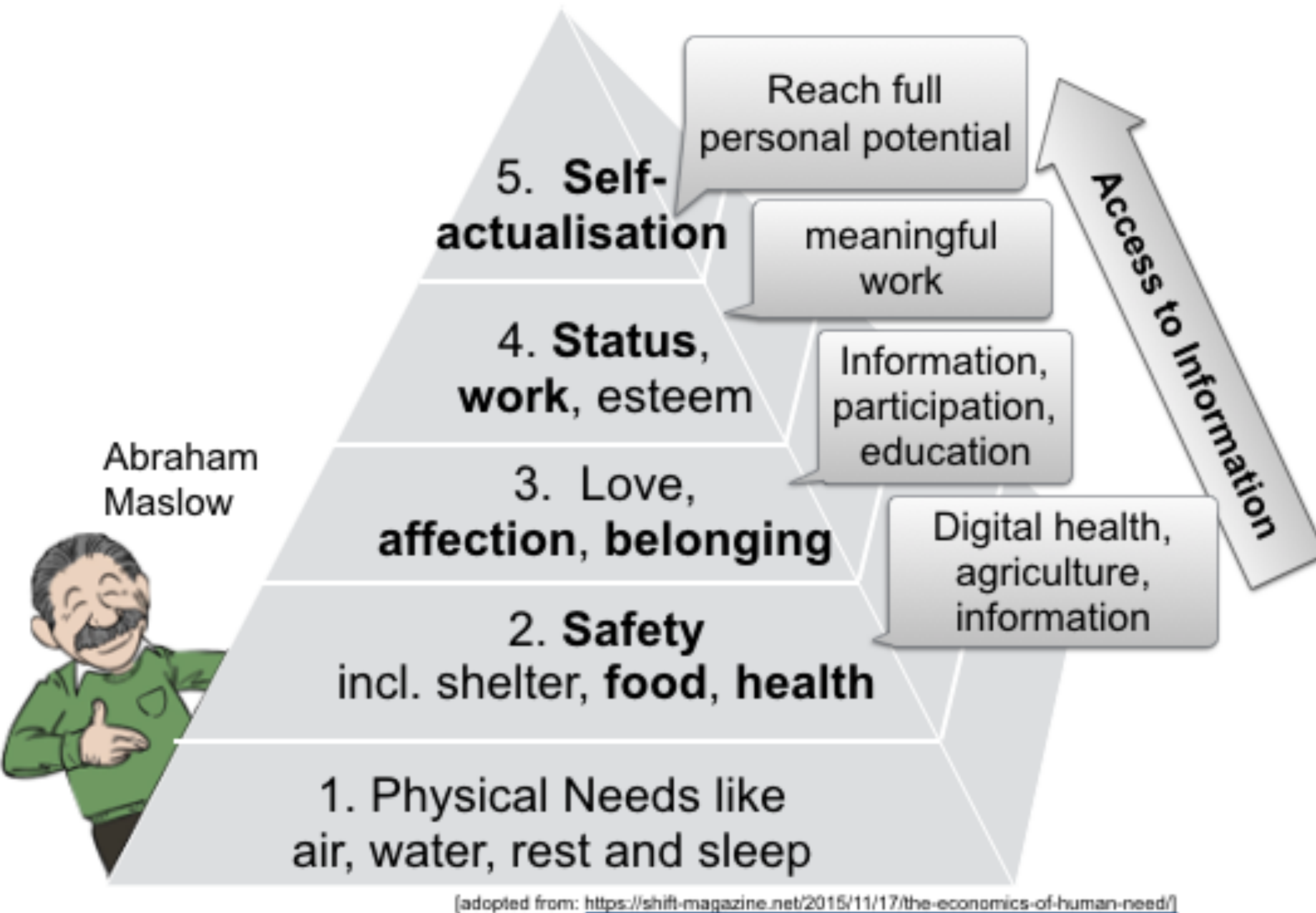
**"no to
Free Basics"
we have been
colonised once**

**Premier Minister
Narendra Modi (India)**

5G network slicing for Free Access to Information for All



Close the Gap



Rights



Education



Content



Access



Inclusion

RECAI

Step 1: We solved the **problem of access**

- Internet Lite
- One Information Spot per village
- Free Access to Health & Education

No magic, exist today.... Lightweight Protocols, e.g. AMP



<https://basicinternet.org/internet-lite-to-the-migoli-high-school/>

<https://basicinternet.org/internet-lite-to-the-migoli-high-school/?amp>



Full Web experience

MISSION PROJECTS ABOUT PARTNERS MEDIA

INTERNET LITE TO THE MIGOLI HIGH SCHOOL

By josef | 4 May 2019 | Uncategorized

The Migoli High School has 1271 pupils (Apr2019) and 35 full-time teachers. The high school is located about 3 km outside of Migoli in the Iringa district in Tanzania.



Internet Lite - AMP experience

Basic Internet Foundation



Internet Lite to the Migoli High School



josef

8 months ago

The Migoli High School has 1271 pupils (Apr2019) and 35 full-time teachers. The high school is located about 3 km outside of Migoli in the Iringa district in Tanzania.

Migoli (Nyerere High School)



1271 pupils, 34 full-time teachers



BasicInternet.org



[@Basic4all](https://twitter.com/Basic4all)

“Free Access to National Knowledge Platform”

May2020, Josef Noll

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No magic, exist today.... Lightweight Protocols, e.g. AMP

BasicInternet.org/Mission/?amp

Our Mission

We make digital inclusion happen to improve the life of every single human, by providing free access to the internet and its information

The Challenge

Access to information is crucial for participation, education, and health care.

Worldwide, more than 800 million people don't have access to basic information.

Internet Lite - AMP experience

4

Million People Don't Have Access To The Internet

800

People Don't Have Access To Basic Information

70

BasicInternet.org/Mission

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Full Web experience

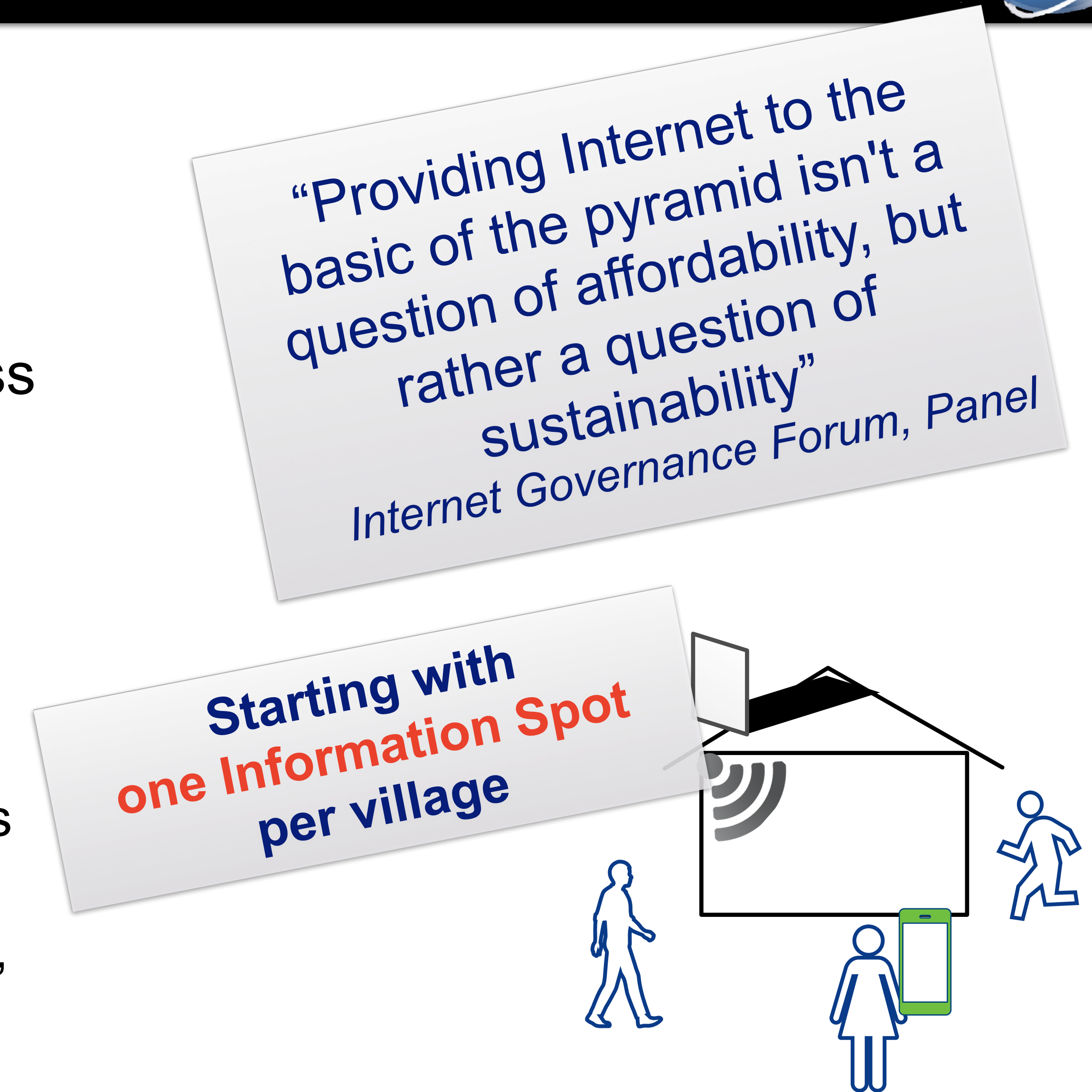
THE CHALLENGE

Access to information is crucial for participation, education, and health care.

Worldwide, more than 800 million people don't have access to basic information.

Our solution

- We build Information Spots in Villages
 - ➔ Wifi Spots with Free Access to Information
 - ➔ Focus on Digital Health
- We introduce the **Freemium** model for access
 - ➔ Free access to information
 - ➔ Premium access to broadband content
- We build the basis for Sustainable Development
 - ➔ Catalyst for the Sustainable Development Goals (SDGs)
 - ➔ for Health, Education, Agriculture, Decent Work, ...



“Connect the Unconnected” Selela Market Place



- Antenna in 6 m height
- Reaches Tigo tower > 20 km away



“Connect the Unconnected” Izazi



Antenna

Village office

Installation time: 1,5 h
catching the signal from the Vodacom
tower in Migoli (~10km away)



Step 2: Integrated Approach for Digital Health Promotion for All

- National Knowledge Portal
- “Access, Skills, Regulation & Inclusion”

Addressing the Priorities by

- Report to Parliament 11 (2019-2020),
Priorities
 - ➔ Access, skills, regulations, inclusion
- “Boys have the toys”
 - ➔ digital divide in both **devices**
 - ➔ and **mobile broadband** access
- **Costs** of Access
 - ➔ School connectivity (SDG indicator 4.A.1)
 - ➔ Digital Health for primary health facilities
 - ➔ Community involvement/digital transformation



Norwegian Ministry
of Foreign Affairs

Summary



Access

Skills

Regulations

Inclusion

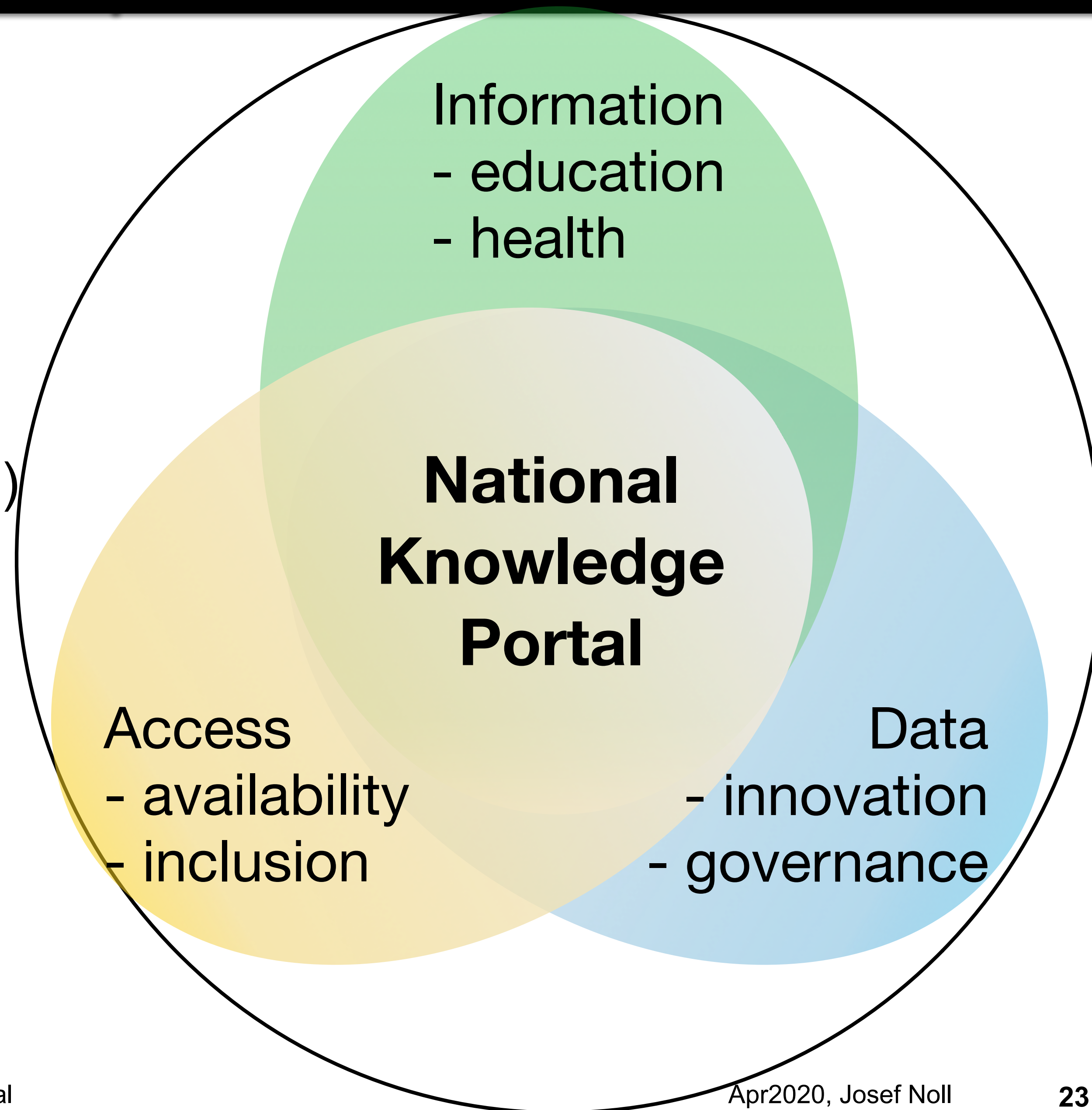
Meld. St. 11 (2019–2020) Report to the Storting (white paper)

Digital transformation and development policy



National Knowledge Portal

- Repository for Health Data
- Trustworthy Health Information
 - ➔ Source for Digital Health Promotion (DHP)
 - ➔ Education, Digital Public Goods (DPGs)
- Regulatory Framework
 - ➔ Free access to Knowledge Portal



COVID-19 response Implementation 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
 - ➔ Ephi.gov.et & Covid19.et
 - ➔ Education: National Digital Library
NDL.ethernet.edu.et
- follow-up from discussions after African Innovat



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ኢትዮ ቴሌኮም የከፍተኛ ትምህርት ተቋማት ተማሪዎች እና መምህራን ትምህርታዊ መረጃዎችን ከ <http://ndl.ethernet.edu.et/> በነፃ ማግኘት እንዲችሉ አደረገ

በአገራችን የኮሮና ቫይረስ (COVID-19) ወረርሽኝን ለመከላከል በመንግሥት በኩል በርካታ እርምጃዎች እየተወሰዱ ሲሆን ከእነዚህም መካከል የገፅ ለገፅ ትምህርት በማቋረጥ ተማሪዎች ቤታቸው እንዲቆዩ መደረጉ ይታወቃል።

ከዚሁ ጋር በተያያዘ ኩባንያችን ከግንቦት 21 ቀን 2012 ዓ.ም ጀምሮ የከፍተኛ ትምህርት ተቋማት መምህራን እና ተማሪዎች ከትምህርት ጋር ተያያዥነት ያላቸውን አጋዥ መረጃዎች ከ <http://ndl.ethernet.edu.et/> በነፃ ማግኘት እንዲችሉ በማድረግ የመማር ማስተማሩ ሂደት እንዲቀጥል የበኩሉን አስተዋፅኦ ማድረጉን በደስታ ይገልጻል።

በተመሳሳይ ሁኔታ ኩባንያችን ስለወረርሽኙ ወቅታዊ መረጃ ለህብረተሰቡ እየሰጠ የሚገኙትን የጤና ሚኒስቴር <http://www.moh.gov.et>፣ የኢትዮጵያ ህብረተሰብ ጤና አገልግሎት <http://www.ephi.gov.et> እንዲሁም የተቀናጀ የኮቪድ 19 መቆጣጠሪያ ስርዓት ድረ-ገፅን <http://www.covid19.et> በነፃ እያቀረበ መሆኑ ይታወቃል።

Conclusions

- Free access to National Knowledge Portal
 - ➔ 1) Access - Information Spot per village
 - ➔ 2) Skills - Health, Edu on Knowledge Portal
 - ➔ 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
- Digital inclusion “trusted Internet”
 - ➔ Societal empowerment

+18 dB
>20 km

“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

At least
one Information Spot
per village

