



**Rotary Skedsmo - 8May2018**

# **Internet Light for alle**

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## **om samarbeid for bærekraftsmålene**

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University of Oslo

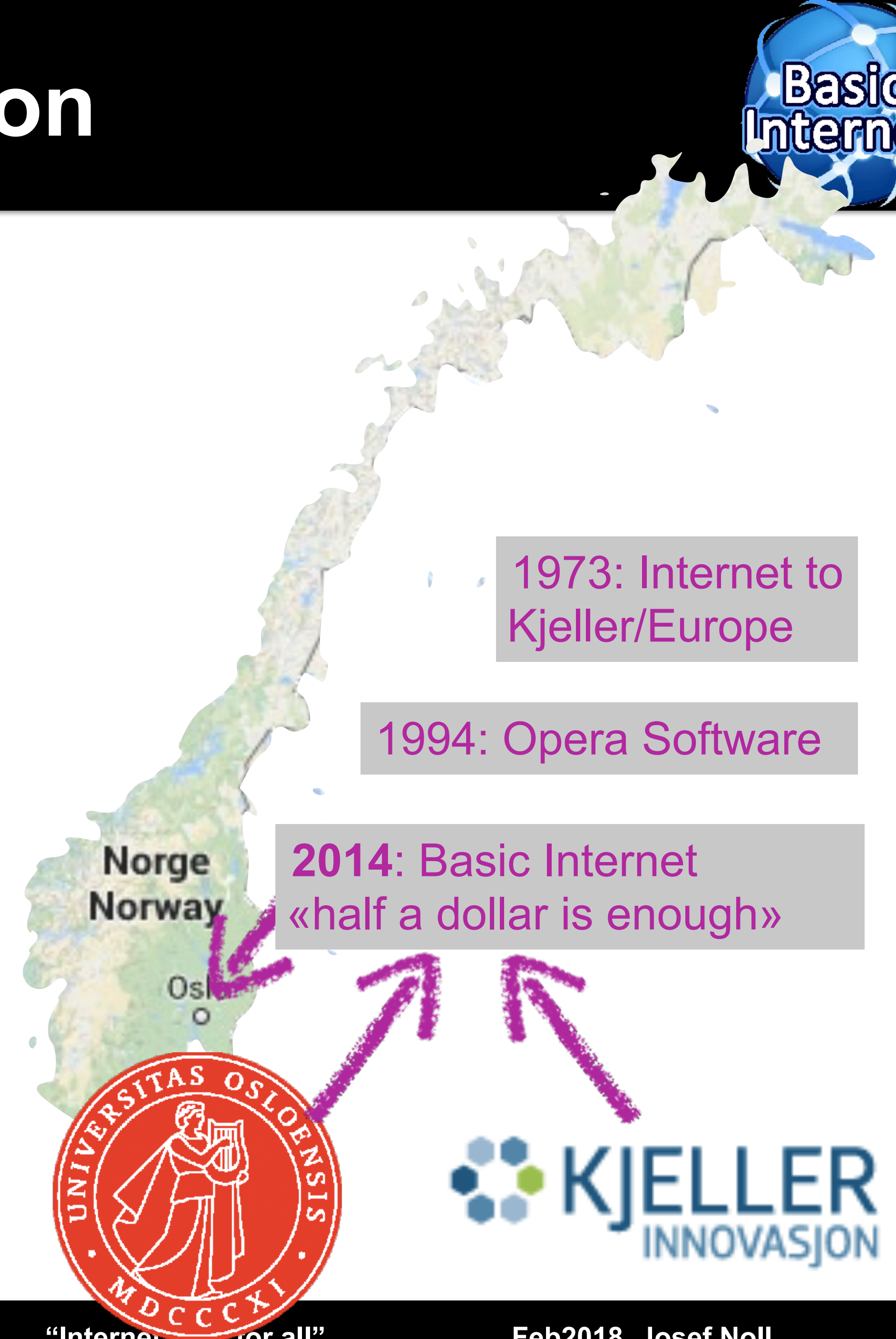
Basic Internet Foundation

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[Diql.BasicInternet.no](http://Diql.BasicInternet.no)

# About the Basic Internet Foundation

- **Information** is the **basis** for **education**, **health** and entrepreneurship
- **Digitalisation** is the engine of **economic growth** and wellbeing of people
- Sustainable development requires **digital inclusion**, which necessitates Internet for all
- **Impact** lives of the **unconnected** 3.5 billions of **people** in the world
  
- **University of Oslo** (UNIK) and **Kjeller Innovation** co-founded the Basic Internet Foundation
  - **“Internet light for all”**
  - fri tilgang til informasjon for alle

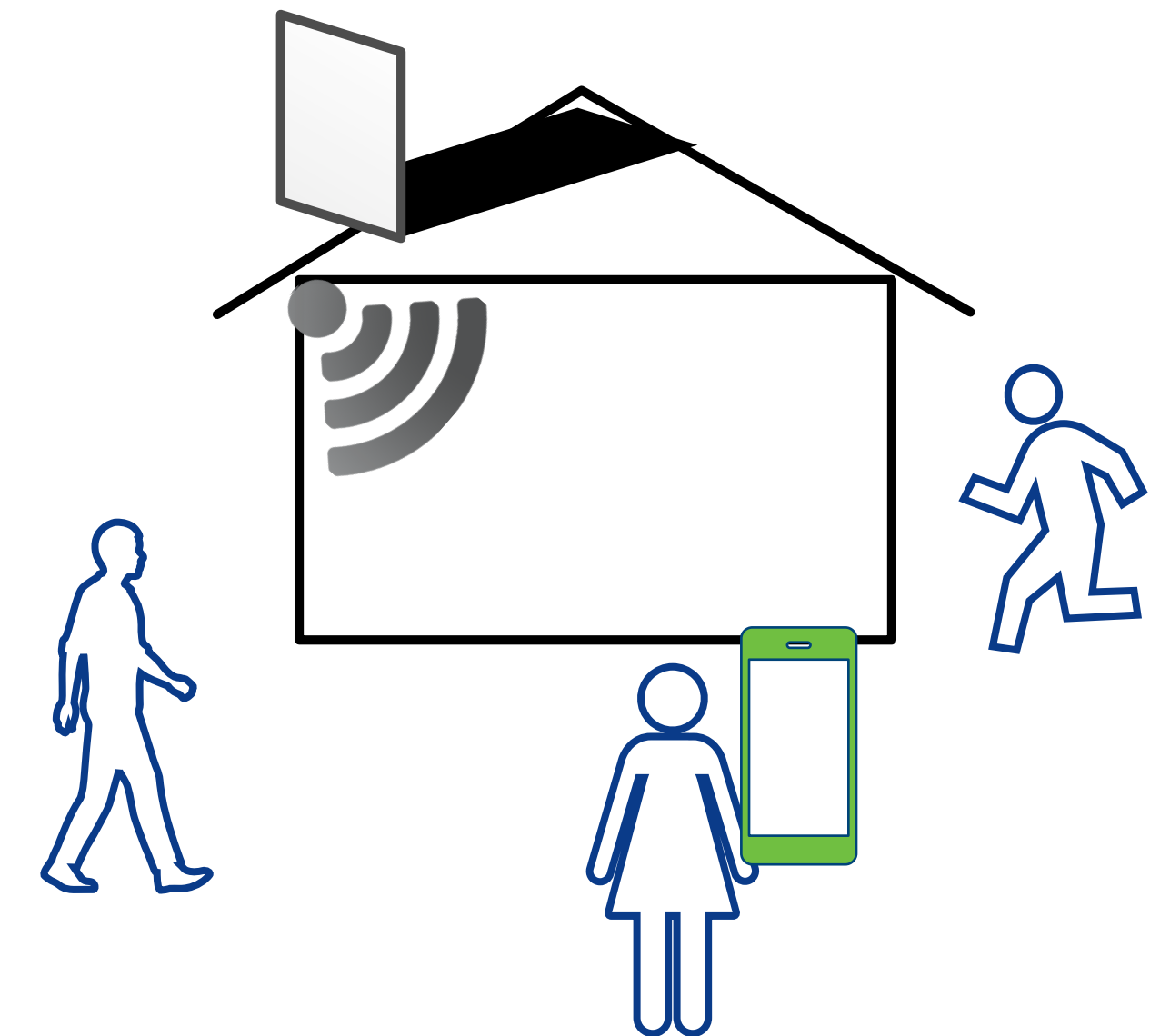


# Goals



- **Access to Information** for **all**
  - ➔ “Nobody should be left out from the Digital Society”
  - ➔ Give everyone **access to digital information**
- **Traditional business** models are too slow
  - ➔ Mobile broadband roll-out dominated by return on investment
  - ➔ Premier league, Bollywood **outranges non-profit content**
- Providing at least **one Information Spot** in each village
  - ➔ **Internet light for all** - free access to information
  - ➔ **Paid** access to profitable content - **sustainable** solution

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



# Internet light for All - the “walk on the Internet”



## Road Infrastructure

- Basic infrastructure
  - free usage for pedestrians & cyclists
  - authentication for cars
  - Pay for use model when a license plate is required
- Highways & toll roads
  - speed & comfort
  - often privately managed
- Railways
- Successful complementarity



## Internet Light Infrastructure

- Basic Access
  - free access of information
  - text, pictures and local video
- Broadband and Mobile services
  - Voice, video & games
  - speed & comfort
  - privately managed
- Complementarity



# Partnership for Digital Africa

<http://www.aftenposten.no/meninger/debatt/Kronikk-Som-gjesteland-pa-G20-toppmotet-ma-vi-bidra-til-a-endre-verden--Erna-Solberg-614076b.html>



## Kronikk: Som gjesteland på G20-toppmøtet må vi bidra til å endre verden | Erna Solberg

ERNA SOLBERG (H), STATSMINISTER

OPPDATERT: 30.JAN.2017 21:39 | PUBLISERT: 30.JAN.2017 19:58

DEBATT



Aftenposten 31Jan2017



I juli i fjor ble Erna Solberg invitert av Angela Merkel til årets G20-møte. Her fra et møte mellom den tyske forbundskansleren og den norske statsministeren i Berlin i november, der Norges deltagelse som gjesteland på det økonomiske toppmøtet var blant sakene som ble diskutert.

FOTO: Axel Schmidt / NTBScanpix

### 1. FNs bærekraftsmål og Agenda 2030:

Tyskland har valgt denne agendaen som et bakteppe for hele sitt program for formannskapet, og jeg leder en gruppe i FN som skal drive frem gjennomføringen.

Vi vil arbeide for at G20 går foran med egne konkrete forpliktelser for å bidra til å oppnå bærekraftsmålene.

### 2. Migrasjon og partnerskap med Afrika:

Verden opplever den største flyktningstrømmen siden andre verdenskrig. Europa, og ikke minst Tyskland, har sett konsekvensene av det.

Det er nødvendig å bedre situasjonen der folk bryter opp ifra. Tyskland vil bruke sitt formannskap til å gjøre noe med problemene der folk hører hjemme. Det er ikke minst jobbskaping og private investeringer. Det innebærer avtaler med afrikanske land som ønsker å få det til.

G20 kan altså bidra til at land og internasjonale organisasjoner bruker sine ressurser mer på tiltak som skaper vekst og jobbskaping.

### 3. Helse og utdanning.

Her har Norge lenge hatt et tungt internasjonalt engasjement. Utdanning og helse henger sammen med økonomisk vekst.

# contribution to 1. Sustainability Goals (SDGs) and Agenda 2030



Goal: Include people with 1 USD/month for communications

Free local info  
📱 health  
📱 education

## 1. UN sustainability goals and Agenda 2030:

Germany has chosen this agenda as a backdrop for their entire program for the presidency, and I lead a group at the United Nations that will drive towards implementation.

We will work to ensure that the G20 goes ahead with its own specific commitments to help achieve sustainability goals.

## Our contribution:

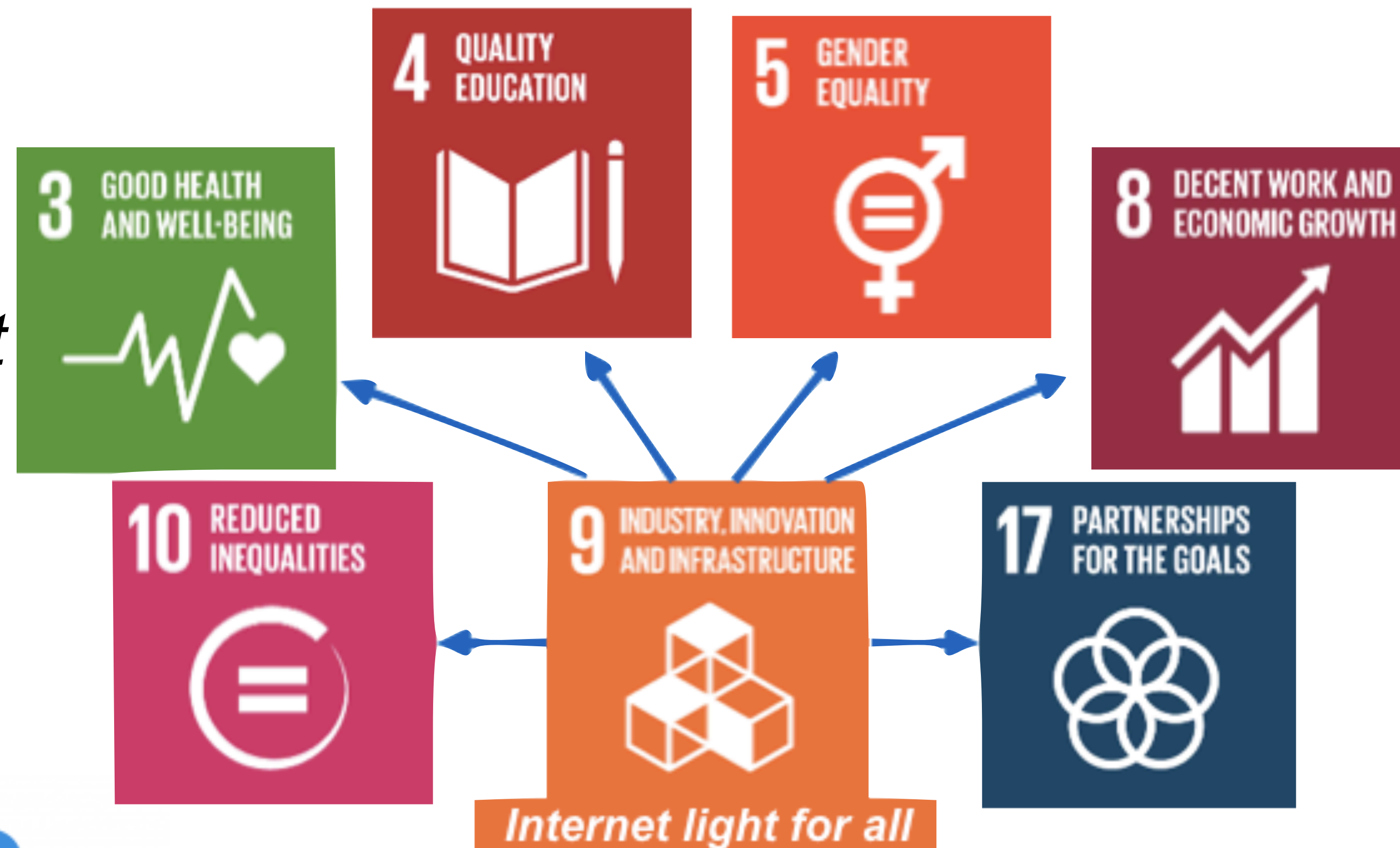
- Internet light for all
  - free access to text and pictures
    - the “walk on the Internet”
  - paid access to amusement
    - “Toll Roads”
- The catalyst for the SDGs



# Internet light for all *the catalyst for the goals*



- Provide **free access to information for all**
- Combat the Digital Divide
- Support the Sustainable Development Goals (SDGs)
- **“Non discriminating access” project**
  - funded by RCN and Mfa/Norad (14.9 MNOK for 2017-2019)
  - Tanzania: digital health
  - DR Congo: digital society



# contribute to

## 2. Migration and Partnership with Africa



- Example: Digital Tanzania

- Unconnected: 13 Million people in 4.000 villages
- Combined effort of
- IT industry,
- World Bank,
- Telecom and
- Norwegian Industry

GSM + Wifi  
→ 200W  
→ MicroBTS



Cost: 70 kUS\$/village

### 2. Migration and partnership with Africa:

The world is experiencing the greatest influx of refugees since World War II. Europe, and especially Germany, have seen the consequences of that.

It is necessary to improve the situation where people break up close. Germany will use its chairmanship to do something about the problems which people belong. There is no minimum job creation and private investment. There are agreements with African countries wishing to achieve it.

G20 can therefore help the countries and international organizations use their resources more on measures which create growth and job creation.

- Funding requirements

- 0.25 B€ for Digital Tanzania
- 2.5 B€, DE for hosting refugees (2016)
- 5.4 B€ asked by Banca Monte dei Paschi di Siena SpA to be saved
- 55.2 B€ operational Costs for EU Frontex border control (total 89 B€)

1 USD/month for Telecom

@Basic4all



# contribute to

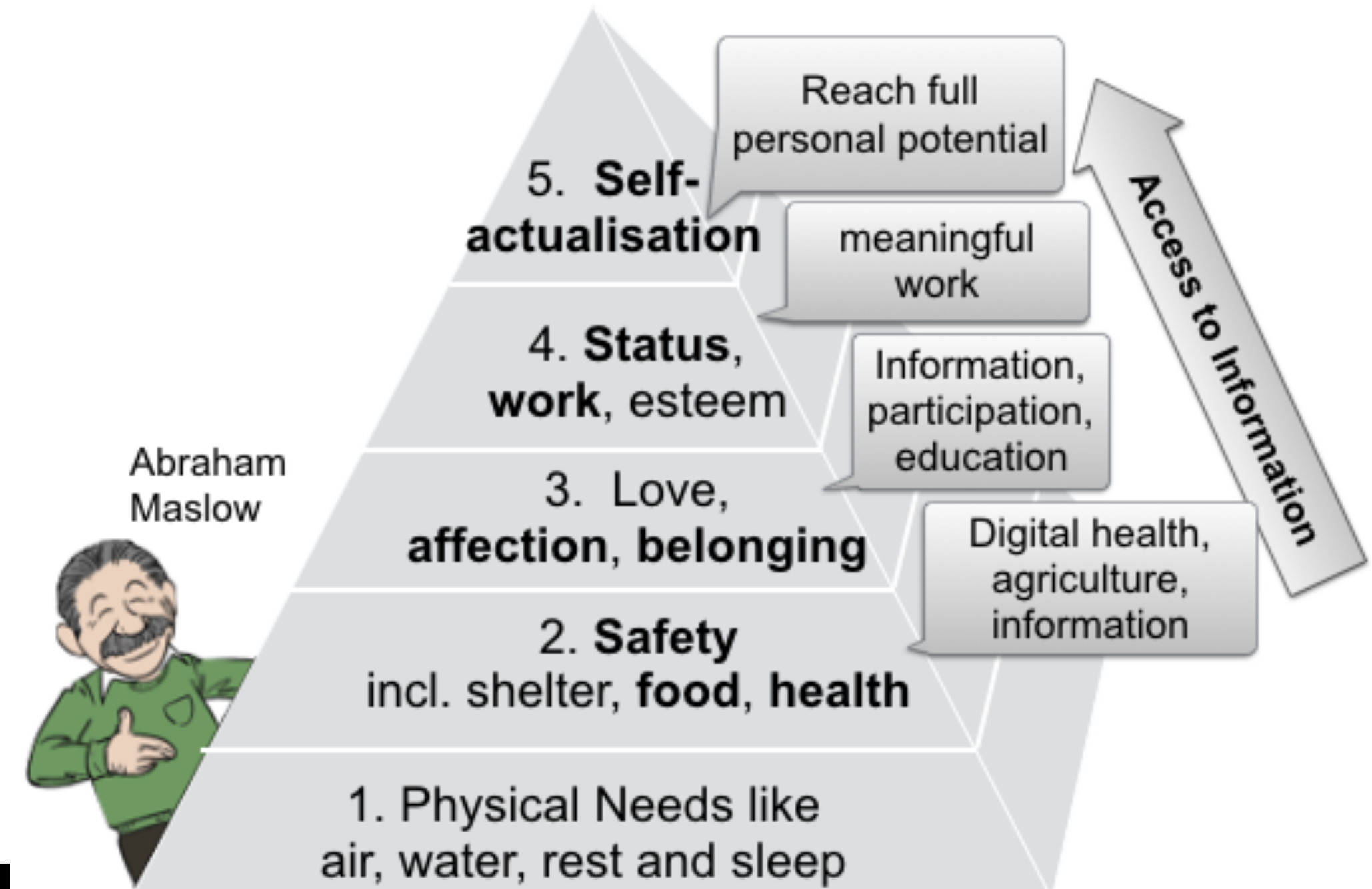
## 3. Health and Education

- “nobody pays for a health video”
  - ➔ 10 min of video or 10 months of information?
  - ➔ need for 2-2,5% of bandwidth for free information
- Health as basis for further development
- Education
- Participation in the **Digital Society**



### 3. Health and education.

Norway has long had a heavy international involvement. Education and health are associated with economic growth.



[adopted from: <https://shift-magazine.net/2015/11/17/the-economics-of-human-need/>]

# Established Pilot

- Digital Health Spot at Kjeller
  - ➔ solar power, Wifi hot-spot, phone charger, light
- **Catalyst** for Agenda 2030 and SDGs
- **Entry point** for the **Digital Society**



“Internet light for all”  
free access to information



addressing people with  
1-2 USD/month for Information

All Small Baby Newborn Childbirth Breastfeeding Cholera



The Story of Ebola, English



The Story of Ebola, Swahili

<https://globalhealthmedia.org/videos/ebola-portfolio/>



# Digital Health Spot for 300 €

Creating digital access for the unconnected



Digital inclusion  
The catalyst for sustainable development

300 € digital health hotspot

60.000 € connecting a village in TZ

250.000.000 € connecting all villages in TZ

89.000.000.000 € EU border control per year



Digital society



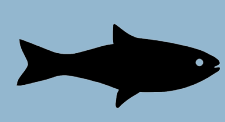
Agricultural and rural development



Education



Health



Food, water and shelter



80 € Solar panel



30 € Regulator



50 € Hotspot



20 € USB-charger



50 € Tablet



15 € LED light



20 € Battery



20 € Materials

# Conclusions: Internet light for all

- Digital Development
  - ➔ fostered through “Internet light for all”
  - ➔ free access to information for all
- Net neutrality
  - ➔ access to information, compressed text and pictures through
- Catalyst for Sustainable Development Goals (SDGs)
- Pilots for Digital Inclusion through *Internet light for all*
  - ➔ Focus in Tanzania on health
  - ➔ Focus in DRC on education/work

