

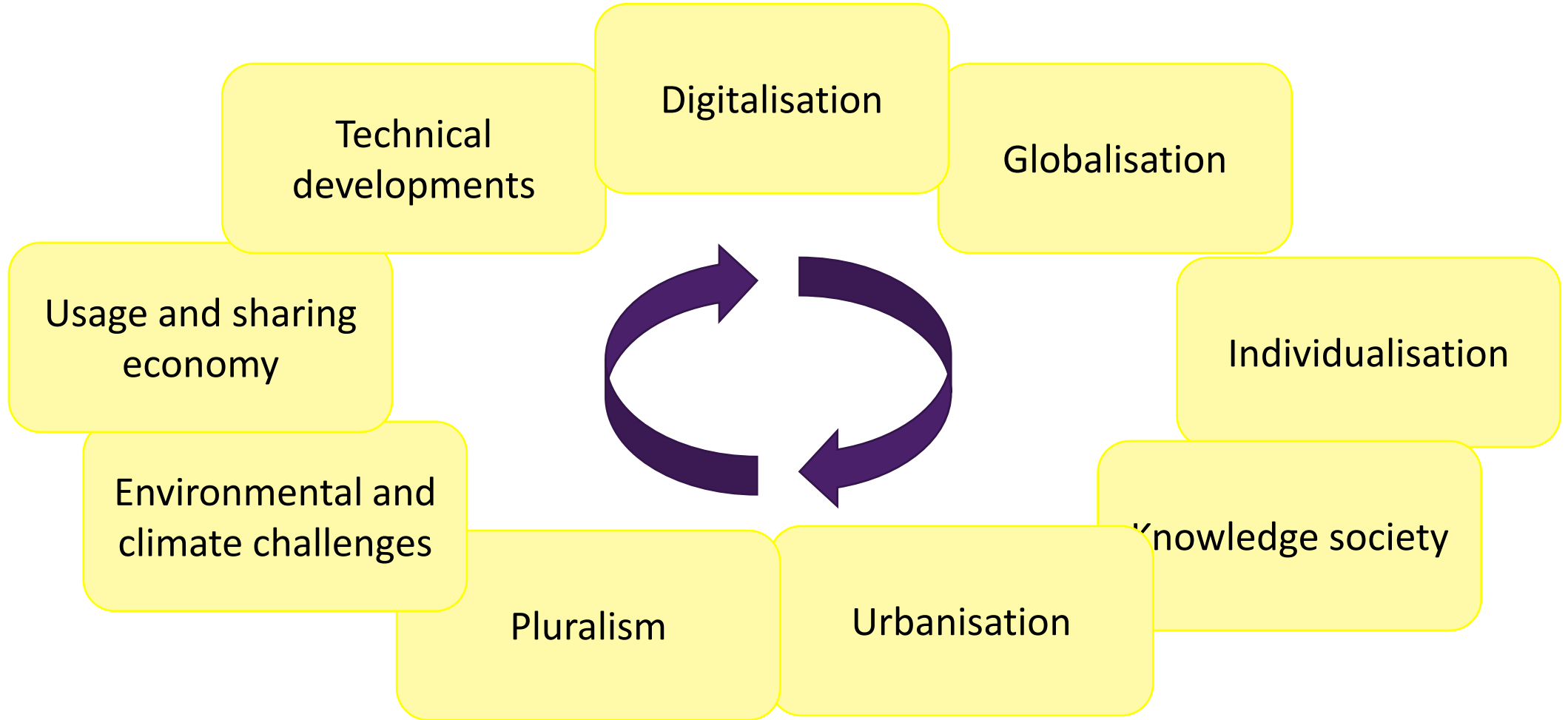
# **Innovation and societal needs**

Lena Carlsson

# Digitalisation is everywhere



# Current trends in society



# Digitalisation transforms society

Economy

Work

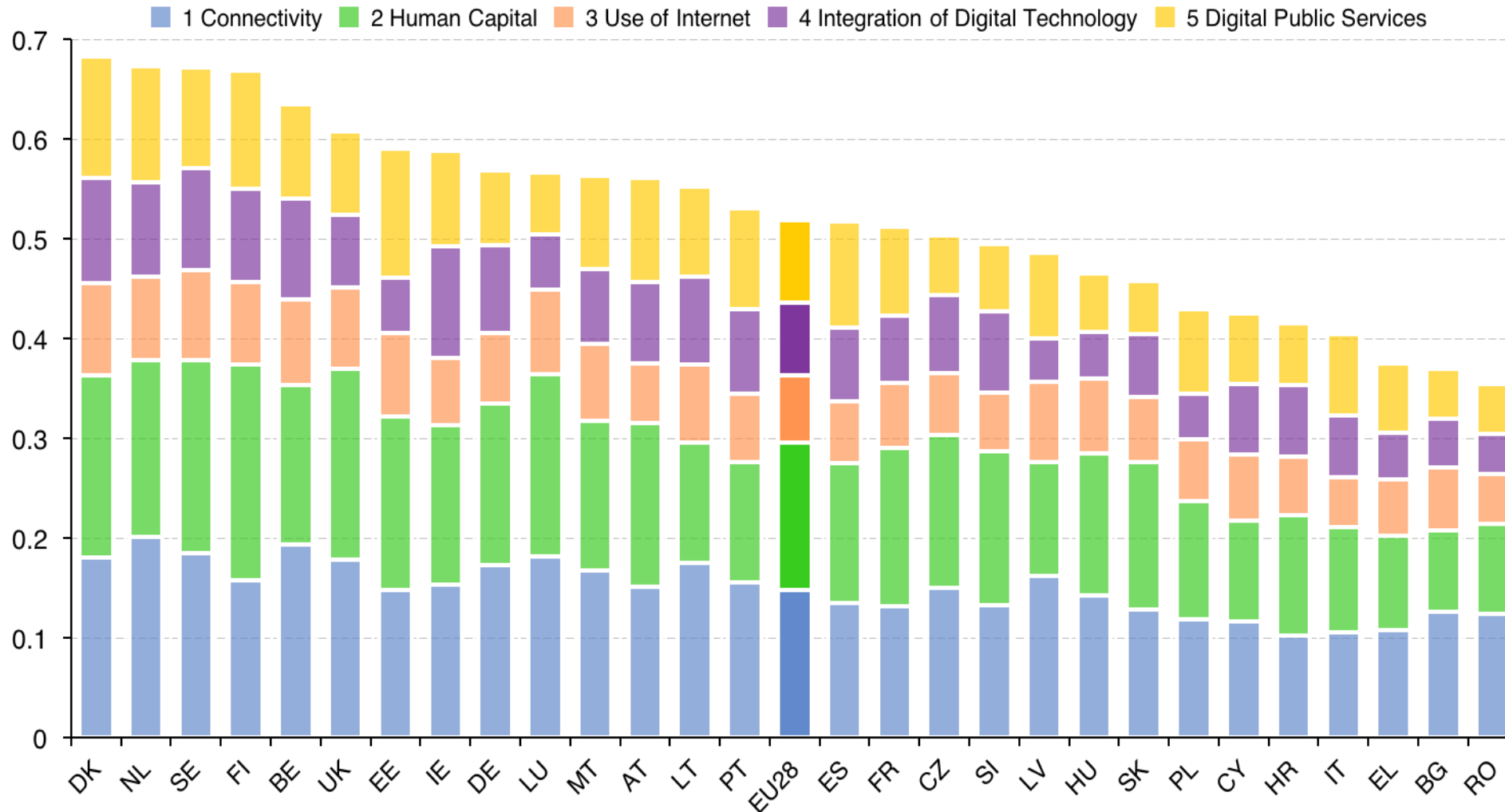
Societal institutions

Infrastructure

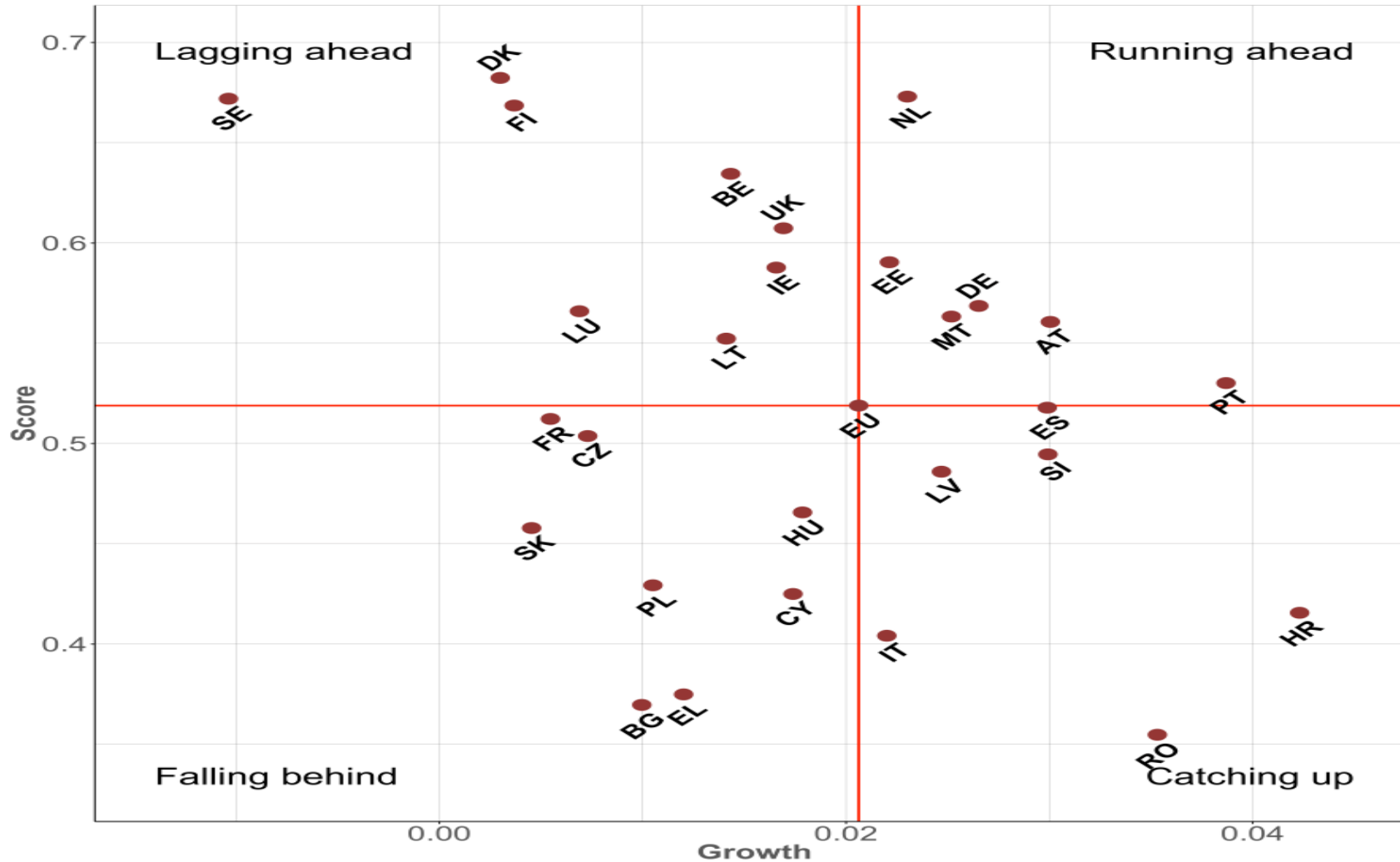


# Digital Economy and Society Index

2016



# Digital Economy and Society Index





# Strategic areas for future policy

## Valid for many countries

- ▶ Continuous government engagement in promoting digitalisation of society
- ▶ Regulation that functions in and for the digital transformation
- ▶ Skills for the digital society
- ▶ Infrastructure that promotes digitalisation
- ▶ Data-driven innovation for growth
- ▶ Security and integrity in a digital age



# Recent policy initiatives at EU level

## All part of a digital single market

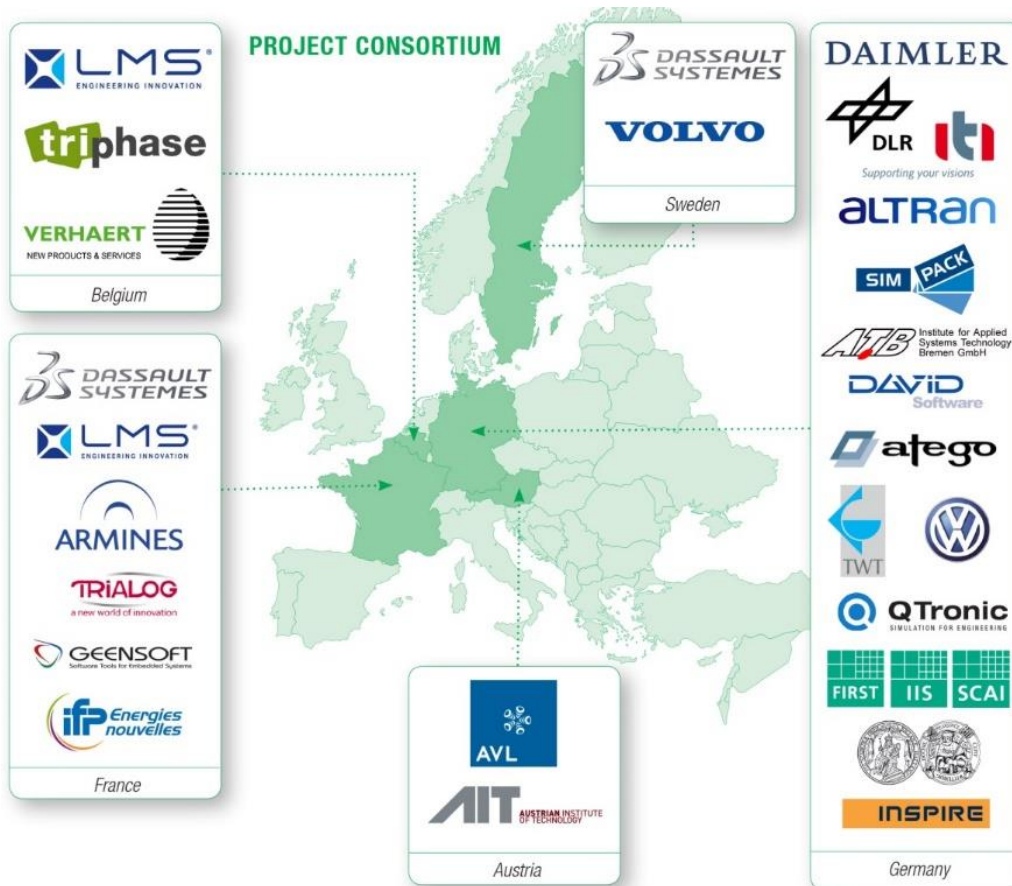
- Digitising European Industry
- EU Cloud Policy
- Standards – Connecting devices, industry and services
- Digital Public Services – Modern solutions for businesses and citizens

# MODELISAR

Setting a global standard in the automotive domain



Modelling and simulation is essential in the automotive industry. The MODELISAR project developed a worldwide open standard (FMI) to integrate different simulation environments in the automotive domain.



Start date: July 2008  
End date: December 2011



## Seizing the high ground

BMW, Daimler and Ford started in Q2 2012 an initiative to establish FMI as the **standard for simulation model exchange between OEMs and suppliers.**



These OEMs as well as Chrysler, Fiat, GM, Jaguar Land Rover, Nissan, Renault, Toyota and Volkswagen signed at GAAG conference in Oct 2012 a **commitment to support this initiative.**



Up to date, it was signed in addition by Audi, HKMC, Honda, Isuzu, PSA, Suzuki, Tata, Volvo and Volvo Cars.



# CELTIC PLUS PROJECT HFCC\_G\_FAST

## Standardisation and product development for next generation broadband

- ▶ Purpose to develop and standardise next generation broadband – a hybrid fibre-copper technology G.Fast
  - Uses electricity from the home – no need for additional cabling and more cost efficient
  - Cheaper leads to faster deployment
- ▶ HFCC – industry dominated projects and collaboration platforms
- ▶ Provides neutral ground to progress work
- ▶ Standardisation and product development – concurrent tests in lab/field = efficient way of working thank to a good set up of the consortium