



EUROPEAN  
TECHNOLOGY  
PLATFORM  
FOR HIGH  
PERFORMANCE  
COMPUTING



ETP 4  
HPC

# ETP4HPC

European Industry Partnerships  
Collaborative Event

Dr. Michael Malms – ETP4HPC  
Amsterdam, April 17<sup>th</sup> 2019

# Who we are

- Non-profit association bringing together the key players of the ecosystem in **High Performance Computing (HPC)**: industrials, research entities, large computing centers, and HPC users.
- As private partner of the HPC cPPP ETP4HPC provided input to the different Work Programmes via its SRA (2014 – 2018).



# Joint Undertaking EuroHPC

“Up and running”

- Formal existence started on 28 October 2018



**EuroHPC**  
Joint Undertaking

Its members are:

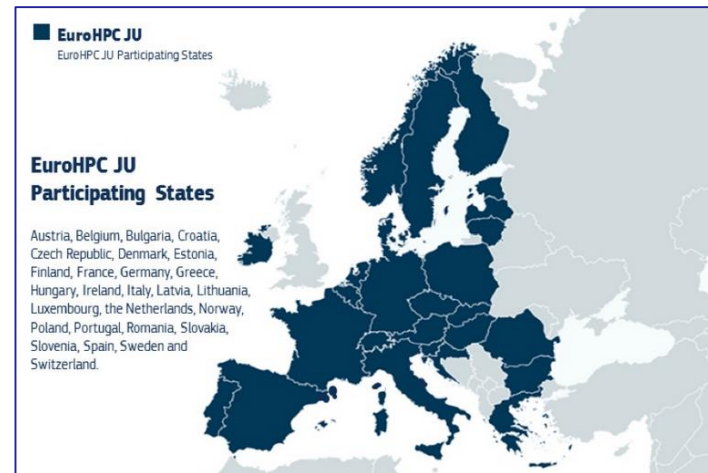
the European Union, represented by the Commission;

- **EU member states:** Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and Switzerland

On “Research and Innovation Advisory Group”:

- ETP4HPC and BDVA

**ETP4 HPC**

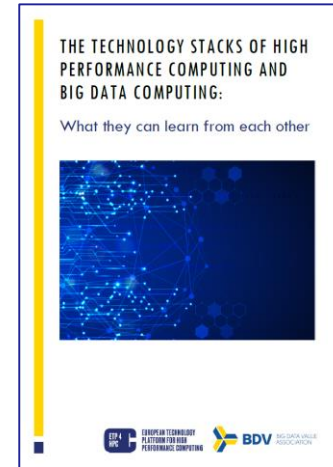


[http://europa.eu/rapid/press-release\\_IP-18-5864\\_en.htm](http://europa.eu/rapid/press-release_IP-18-5864_en.htm)

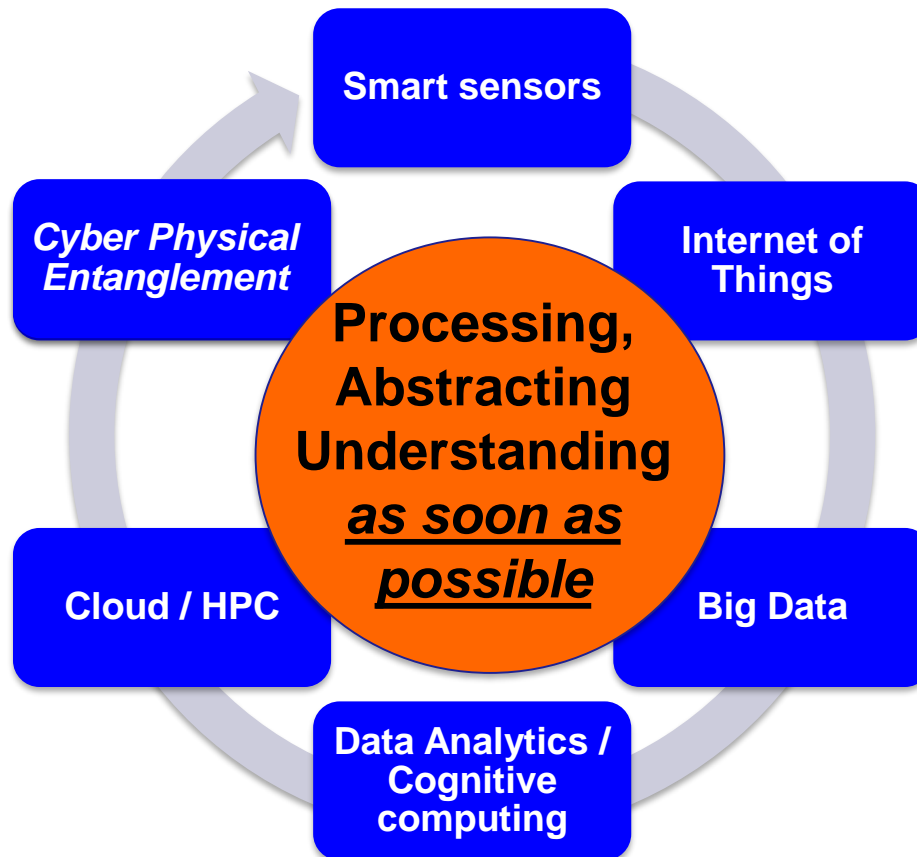
<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=OJ:L:2018:252:FULL&from=E>

# Collaborations

- Intensified collaboration with Big Data Value Association (BDVA) and HiPEAC
- Initiated collaboration with the Alliance for Internet of Things innovation (AIOTI)
- Together with BDVA, we developed a joint set of recommendations for a WP2019-2020 as input to the EuroHPC-RIAG meeting
- Conducted several workshops with international HPC experts during ISC2018, BDVA-Forum 2018 and HiPEAC summit in Jan. 2019

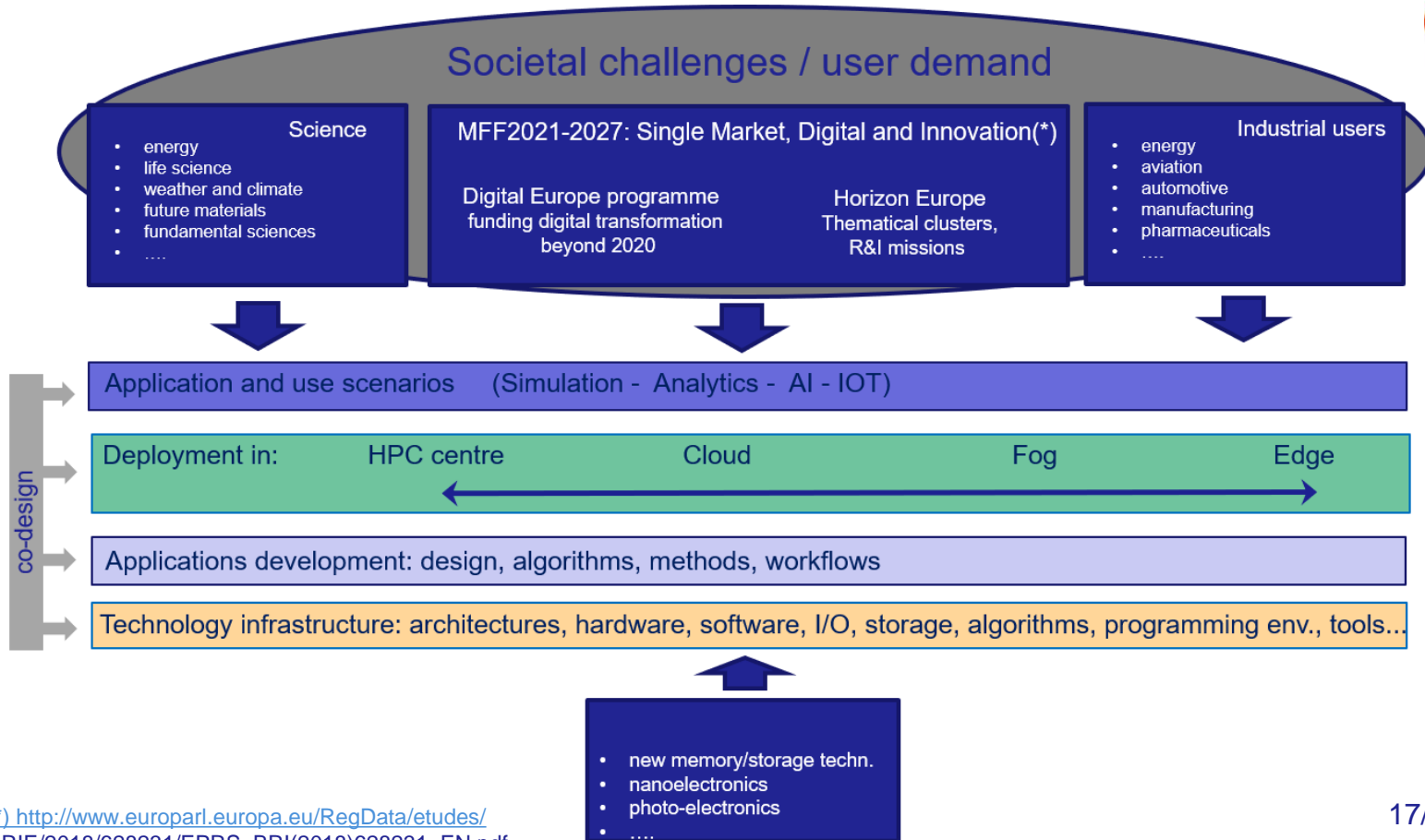


# “HPC in the loop”



Where in HPC going ?

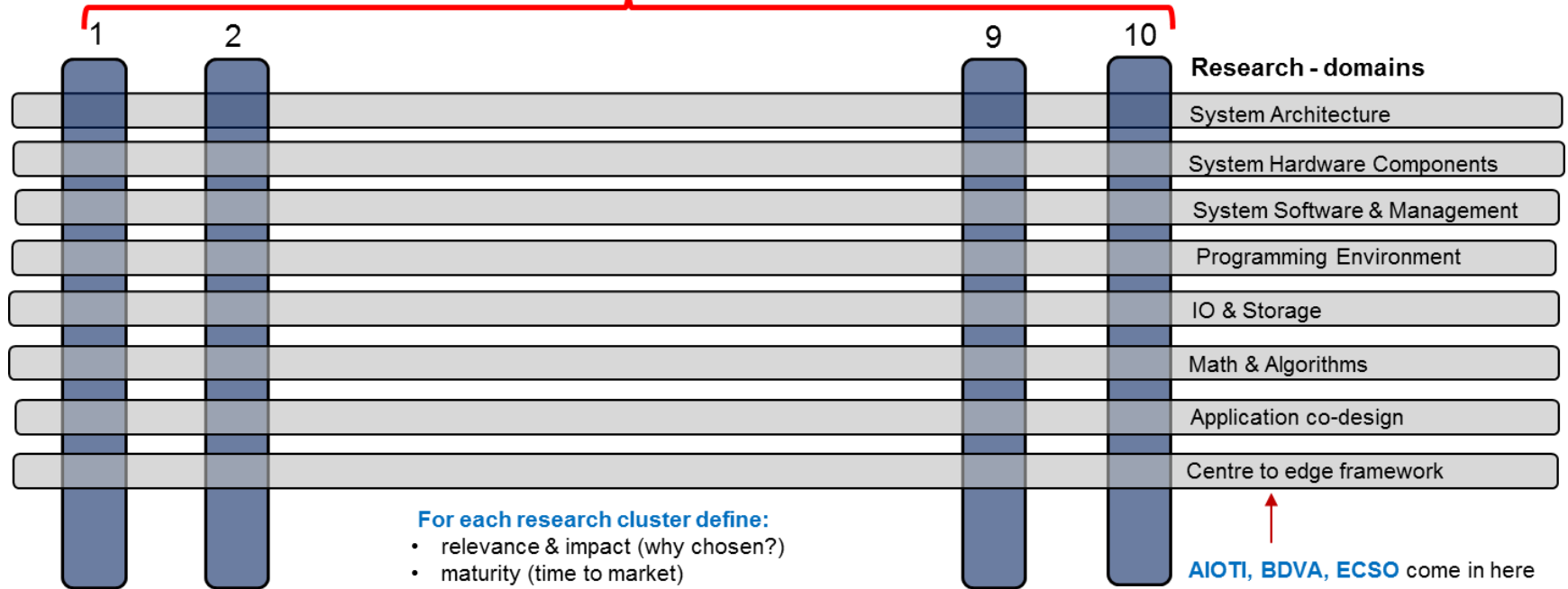
# SRA-4: the increasing interplay of Simulation, AI, IoT and Analytics



(\*) [http://www.europarl.europa.eu/RegData/etudes/BRIE/2018/628231/EPRS\\_BRI\(2018\)628231\\_EN.pdf](http://www.europarl.europa.eu/RegData/etudes/BRIE/2018/628231/EPRS_BRI(2018)628231_EN.pdf)

# HPC Research Priorities for 2021-2014: the SR-4 approach

SRA-4 research clusters (max 10): priority-topics for workprogrammes 2021-2022



For each research cluster define:

- relevance & impact (why chosen?)
- maturity (time to market)
- Hurdles to overcome
- Driving competence in Europe
- Cost of research to gain sign. uptake



Thank you

@etp4h

office@etp4hpc.eu

www.etp4hpc.eu



# EuroHPC Overview

