

Next work programme – main themes

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BLURRED LINES

ICT LEIT as a bridge

- Cyber-physical systems
- Large area electronics
- Photonics
- Nanoelectronics
- Electronic smart systems
- AI
- Robotics
- Big data
- Cloud technologies
- 5G
- Next generation internet

Digitisation of industry

- Support to hubs
- Platforms and pilots



Wild cards

- Cybersecurity
- Skills

Big Data

☹ Linking High Performance Computing/Big Data /low power

To create a “world-class” HPC/BD ecosystem

- Develop competitive large-scale test-beds and applications that integrate relevant technologies (Big Data, HPC, Cloud, IoT) and build on and enhance existing HPC/BD infrastructures;
- Build future HPC infrastructure through the co-design of extreme-scale low-power HPC/BD systems;
- Technology and capacities development in targeted areas enabling Big Data technologies and next generation Cloud technologies to support HPC/BD demands.
- Technology transfer, innovation support, and entrepreneurship measures to facilitate the adoption of new HPC/BD/cloud technologies by industry, society and SMEs in particular

- **ICT–18-[2018-20]: Big Data and HPC PPPs:** HPC and Big Data enabled Large-scale Test-beds and Applications
Innovation Actions
- **ICT–19-[2018-20]: Big Data PPP:** Methods and tools for extreme-scale analytics, and innovation hubs
 - Research and Innovation Actions developing new big data analytics methodologies and engineering solutions addressing industrial and/or societal challenges.
 - Innovation Actions and CSA
- **ICT–20-[2018-20]: Big Data PPP:** Supporting the emergence of data markets and the data economy
Innovation Actions and CSA
- **ICT–22-[2018]: HPC and Big Data PPPs:** Co-designing Extreme Scale Demonstrators (EsD)
Research and Innovation Action

Trusted big data and analytics for personalised early risk detection and intervention

Big-Data-enabled intelligent decision support systems.



Big data for monitoring health status and quality of life after the cancer treatment

'Big data' security analytics

Data integration and data-driven in-silico models for enabling personalised medicine - a European standardization framework

ICT Proposers Days 9-10. November 2017



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