



Personalised Medicine Conference 2016

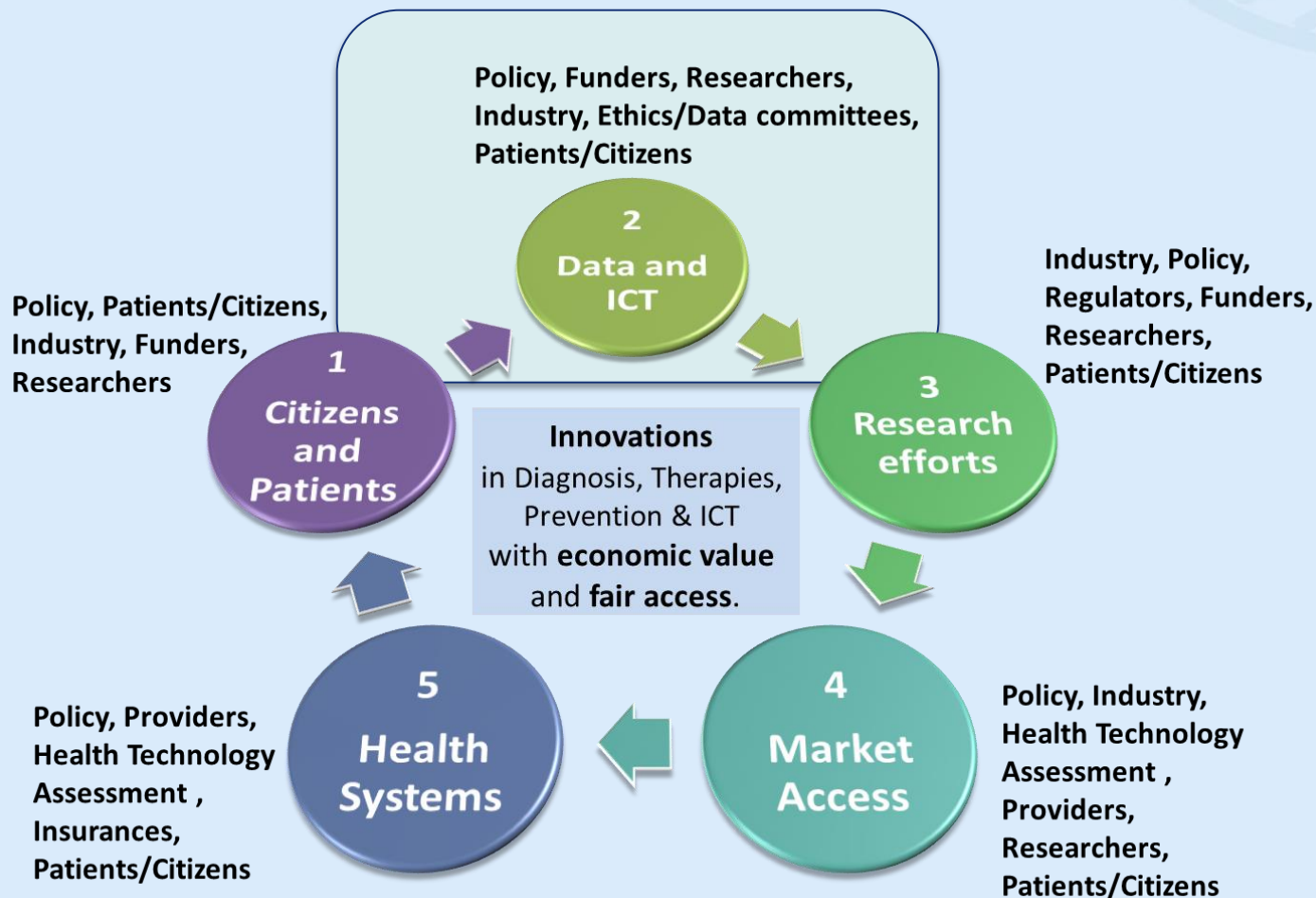
1-2 June 2016, Brussels

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Research and
Innovation

Circle of the five Challenges





Challenge 2 – IC PerMed Roadmap Chapter – *work in progress*

- PerMed SRIA **recommendations** for Challenge 2
- Input of Challenge Group 2 (**CG2**) **members** and **experts**
- Input from experts and stakeholders by CG2 **Questionnaires**
- Relevant Reviews and strategic **publications**
- **European/National/Regional** Initiatives related to Big Data & ICT and Personalised Medicine
- **Personalised Medicine Conference 2016**



Challenge 2 – Clusters of Research Activities proposed for the Roadmap

Data **harmonisation, collection, storage & security**

e.g. cloud computing, E-medical records or methods to structure and use available and future information

- Strategies to **make sense of** the available **data**

e.g. virtual modelling approaches, self-learning systems, health care applications and ICT supported decision tools



Challenge 2 – Clusters of Research Activities proposed for the Roadmap

- ICT support for **socio-economic assessments**
- Solutions for data **ownership, privacy** and **access**
- Research on Ethical, Legal and Social Aspects (**ELSA**)
- Utilisation of **existing infrastructures**, e.g. ESFRI



Challenge 2 – Integrating Big Data and ICT Solutions

- *The Power of data*, M. Rosen-Zvi
- *Holistic data and citizen data ownership*, E. Hafen
- *Options and opportunities in health data science*, A. Morris
- *Tech and the Human Touch*, M. László
- *Interpreting Genome Data for Personalised Medicine*, J. Thornton
- *(Big) Health Data for Research*, J. Vilo