



The International Consortium for Personalised Medicine

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Personalised Medicine – A definition

*PM [] “refers to a medical model using characterisation of individuals’ phenotypes and genotypes (e.g. **molecular profiling, medical imaging, lifestyle data**) for tailoring the right **therapeutic** strategy for the right person at the right time, and/or to determine the **predisposition** to disease and/or to deliver timely and targeted **prevention**”.*

According to: Horizon 2020 and
 European Council Conclusions on personalised medicine for patients (2015/C 421/03)

ICPerMed – an international consortium

- over 30 European and international partners
- representing ministries, funding agencies and the European Commission (EC)
- International consortium model

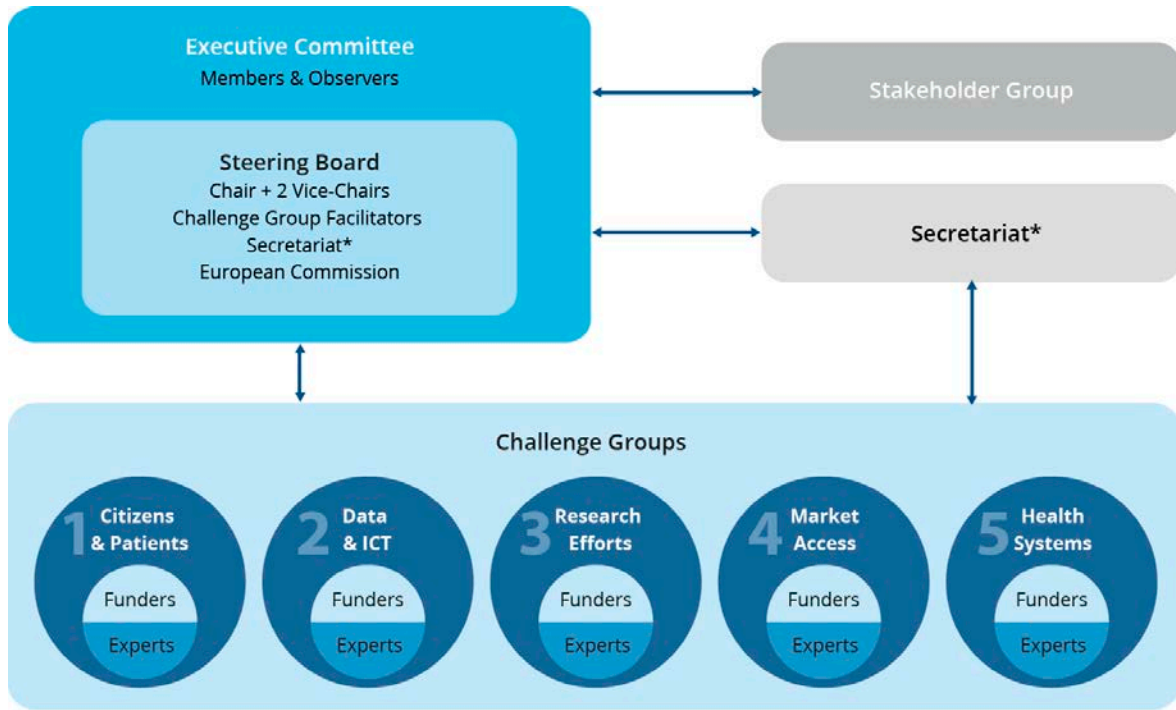
Aim: to coordinate and foster **research** to develop and evaluate personalised medicine approaches

ICPerMed Vision Statement:

Research as driver of personalised medicine

- Establish **Europe as a global leader** in personalised medicine research.
- Support the **personalised medicine science base** through a coordinated approach to **research**.
- Support research to investigate **the benefits** of personalised medicine to **citizens** and **healthcare systems**.
- Pave the way for personalised medicine approaches for **citizens**

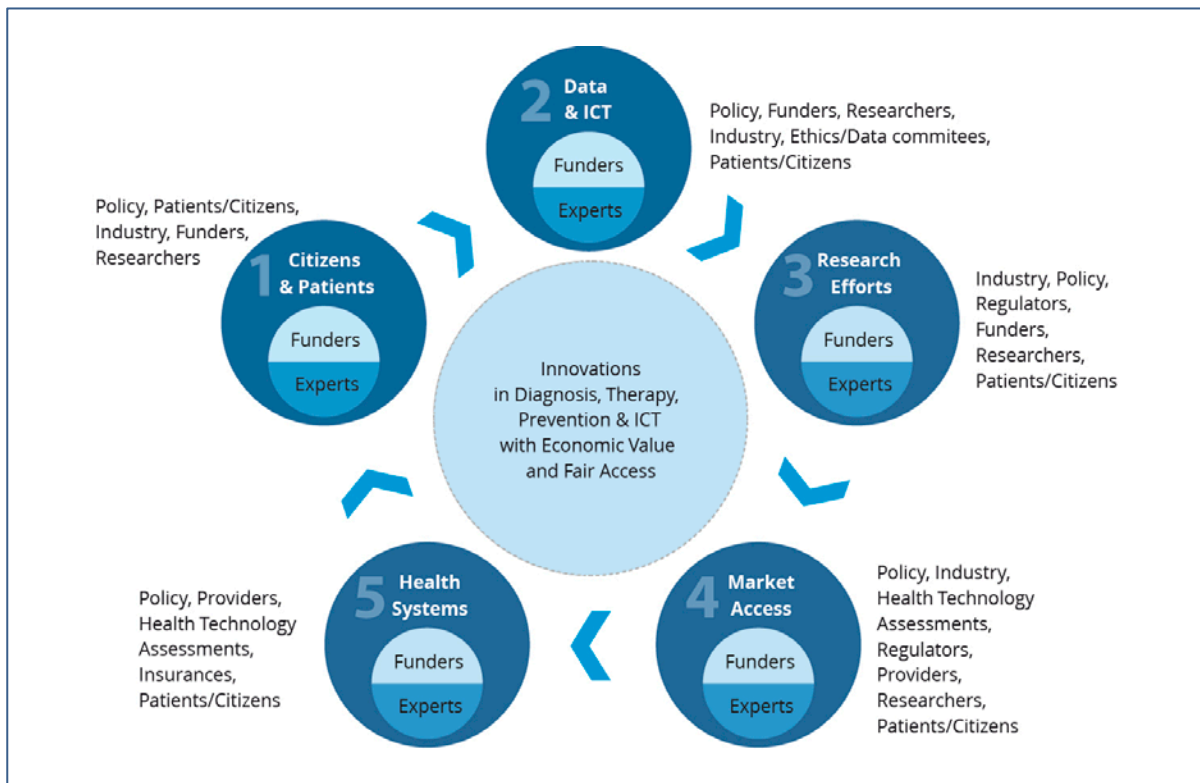
ICPerMed Governance



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ICPerMed Challenge Groups



Whole healthcare value chain and beyond

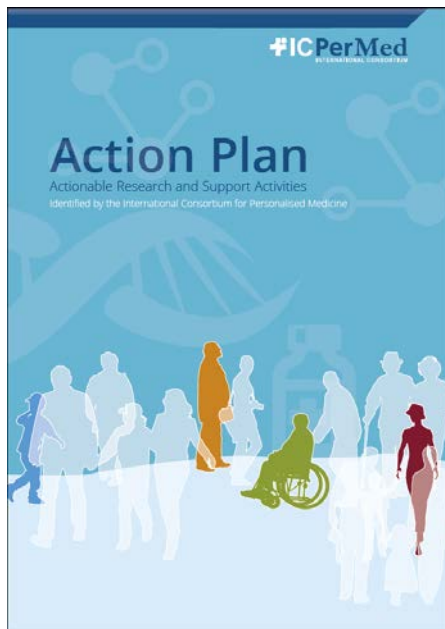
1. Citizens and Patients
2. Data & ICT
3. Research Efforts
4. Market Access
5. Health Systems

Funders & Experts

ICPerMed – Development of Action Plan



ICPerMed Action Plan



- 22 actionable research activities
- 8 support activities
- Feeds into national and European strategic discussion of research funders

Released in March 2017

ICPerMed Action Plan - Structure

A) Research activities:

- Data
- Technologies, Methods and Processes
- People
- Cross-Cutting

B) Support activities:

- Structures
- Methods and Processes
- People

Action Plan – Data

A.1 – A.8 Research

- Quality, harmonisation, integration of data
- Structured data from unstructured sources
- Data sharing
- Data security, privacy and ownership
- Telehealth and Telemedicine

B.1 Support – Structures

- High-quality, sustainable databases

Action Plan – Technologies, Methods and Processes

A.9 – A.18 Research

- Preclinical models, translation, clinical trials, longitudinal cohort studies
- Health economics and pharmacoeconomics
- Classification of diseases at molecular level
- Regulatory structures
- surveillance methods

Action Plan – Technologies, Methods and Processes

B.2 – B.6 Support

- Biobanks; population and disease cohorts
- New funding models, integrating health care providers
- New research and technology transfer strategies
- Financial and risk-sharing instruments
- Optimisation of health systems for implementation of PM

Action Plan – People

A.19 – A.22 Research

- Health and digital literacy
- Instruments for public engagement
- Ethical, legal and societal perspectives*

B.7 – B.8 Support

- Health system sciences in education of healthcare professionals; e.g. health system sciences
- sustainable resources for educating citizens and patients on involvement of patients

* cross-cutting activity

ICPerMed Membership

- Public and private not-for-profit health research funders and policy making organisations
 - actively contribute to the development, and updates, of ICPerMed publications;
 - contribute to the implementation of the ICPerMed Action Plan and future similar publications;
 - report on a yearly basis about efforts and achievements that contribute to the aims of ICPerMed;
 - host ICPerMed governance meetings (i.e. provide venue and catering for meetings of Executive Committee, Challenge Groups, etc.) and/or support travel of invited experts to such meetings.

ICPerMed Members

Country	Organisation
Austria	Federal Ministry of Science, Research and Economy (BMWFV)
Austria	Federal Ministry of Health and Women's Affairs
Canada	Canadian Institutes of Health Research (CIHR)
Canada	Genome British Columbia
Republic of Croatia	Ministry of Science and Education of the Republic Croatia
Cyprus	Research Promotion Foundation (RPF)
Czech Republic	Ministry of Health of the Czech Republic
Denmark	Innovation Fund Denmark (IFD)
European Commission	European Commission; Personalised Medicine Unit in DG Research and Innovation

Country	Organisation
Estonia	Ministry of Social Affairs
Finland	Academy of Finland - Suomen Akatemia
France	National Research Agency - Agence Nationale de la Recherche (ANR)
France	Ministry of Higher Education and Research
Germany	Federal Ministry of Health (BMG)
Germany	Federal Ministry of Education and Research (BMBF)
Hungary	Ministry of Human Capacities
Ireland	Health Research Board (HRB)
Israel	Ministry of Health (CSO-MOH)

Country	Organisation
Italy	National Research Council of Italy - Consiglio Nazionale delle Ricerche (CNR)
Italy	Ministry of Health - Ministero della Salute
Italy	Regional Foundation for Biomedical Research - Fondazione Regionale per la Ricerca Biomedica (Lombardy)
Lithuania	Research Council of Lithuania
Luxembourg	Luxembourg Ministry of Health
Luxembourg	Luxembourg National Research Fund - Fonds national de la Recherche
Netherlands	The Netherlands Organisation for Health Research and Development (ZonMw)
Norway	The South-Eastern Norway Regional Health Authority
Poland	Ministry of Science and Higher Education (MNISW)

Country	Organisation
Portugal	Foundation for Science and Technology - Fundação para a Ciência e Tecnologia (FCT)
Portugal	Instituto Nacional de Saude Doutor Ricardo Jorge (INSA)
Republic of Moldova	Academy of Science of Moldova
Spain	The National Institute of Health Carlos III
Spain	Ministry for Health - Basque Government
Sweden	Swedish Research Council - Vetenskapsrådet
Sweden	Vinnova
Turkey	Turkish Research and Business Organisations a.i.s.b.l. (TURBO)
United Kingdom	Medical Research Council (MRC)

More information about ICPerMed:

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