

# A dedicated European multi-stakeholder framework for PM - The International Consortium for Personalised Medicine -

Michael Joulie, Agence National de la Recherche, ICPerMed / EU-Africa PerMed

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## Personalised Medicine (PM) – 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**”.*

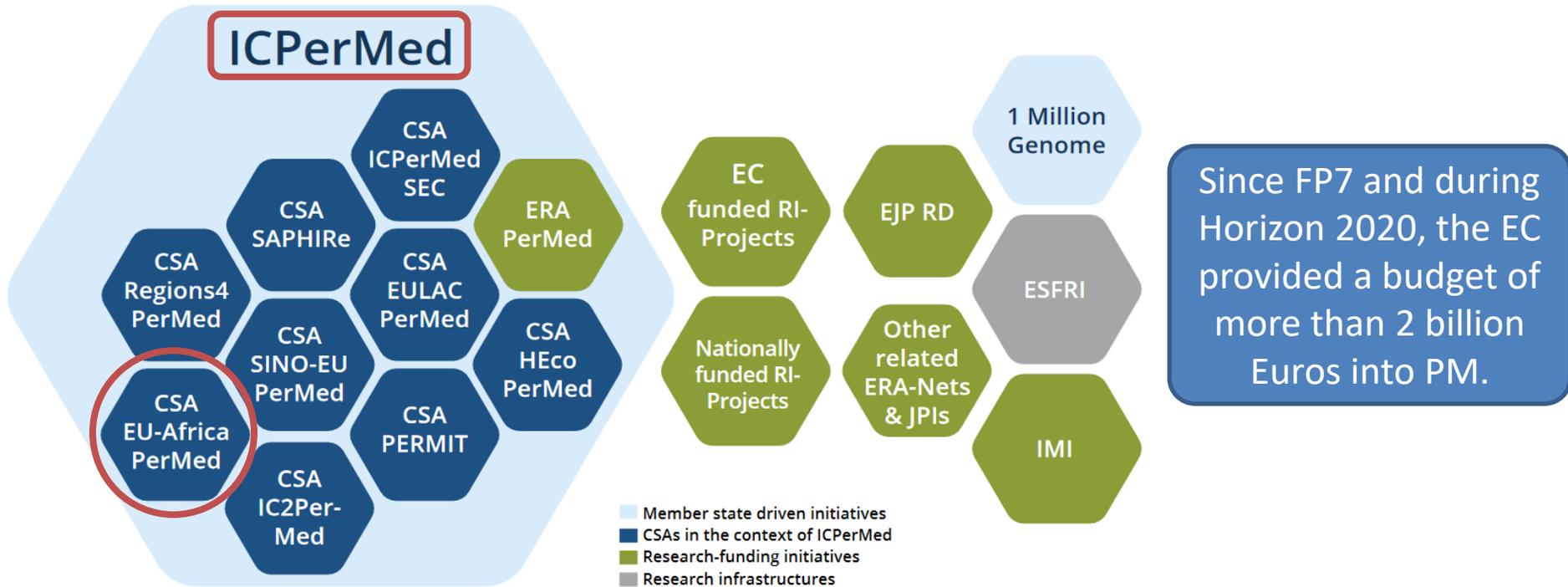
According to: Horizon 2020 and  
 European Council Conclusions on personalised medicine for patients (2015/C 421/03)

## **Personalised Medicine: A major opportunity for society to provide benefits to patients and citizens and health systems**

Key questions that Personalised Medicine (PM) tackles are:

- Why does a treatment for a certain disease work very well for one patient, but poorly or not at all for another patient?
- What is the benefit of individual molecular, clinical or lifestyle data for the development of personalised prevention, diagnosis, and treatment?
- How can the knowledge of an individual genetic profile or personal setting help to avoid health risks and support a healthy life?
- Can the use of PM be cost effective?

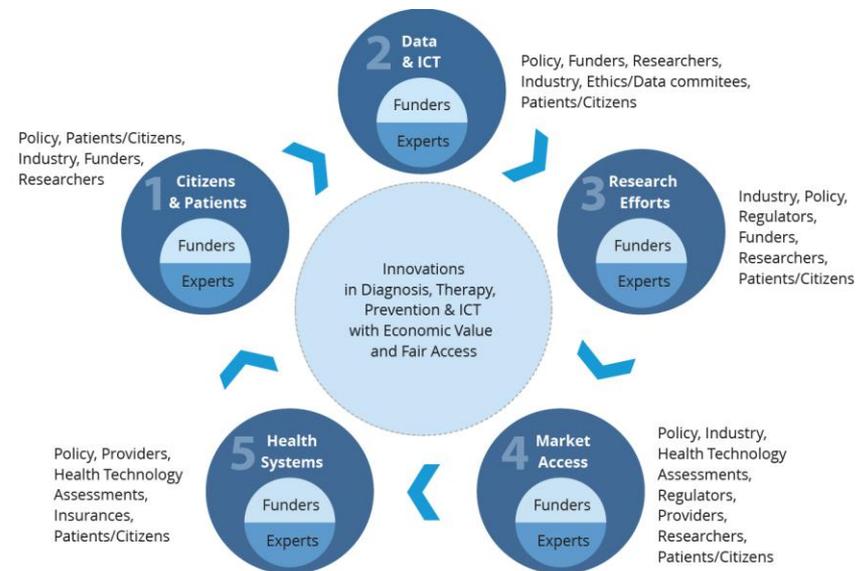
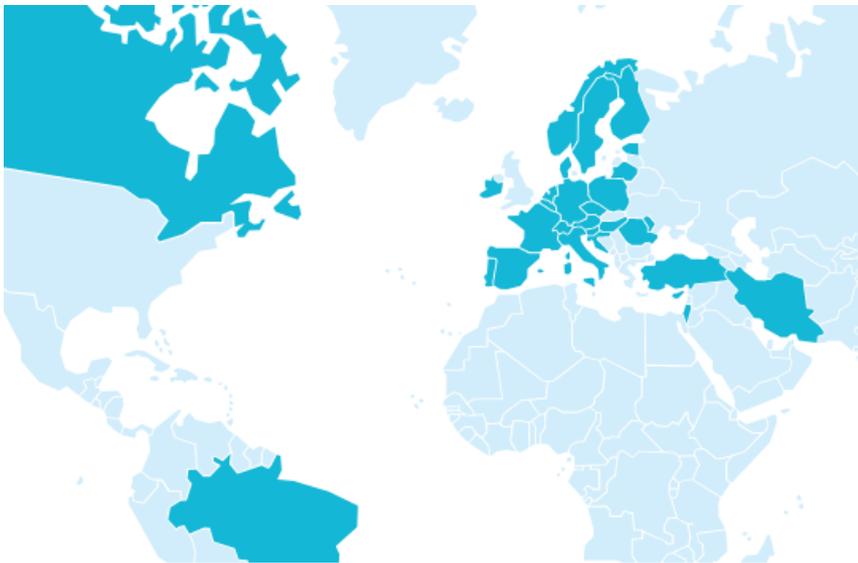
# Increasing commitment for and investment in PM



- Increased efforts in the PM field for PM research and implementation on regional and national level but also in collaborations across countries
- EC supporting joint efforts and activities related to PM to establishing Europe as a global leader in the field but also to foster cross boarder/international collaboration

# ICPerMed – An International Consortium

- Almost 50 European and international partners
- Members include public and private `not-for-profit` health research funding and policy organisations and the European Commission



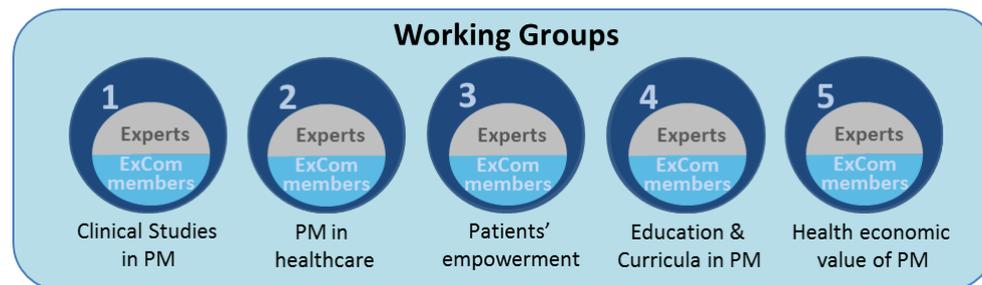
Overall aim: To coordinate and promote **research** along the full value chain to develop and evaluate personalised medicine approaches

# Overall focus on full value chain as outlined in the Action Plan



Working groups (WG) for the next three years:

- Clinical Studies in PM
- PM in healthcare
- Patient empowerment
- Education & Curricula in PM
- Health economic value of PM

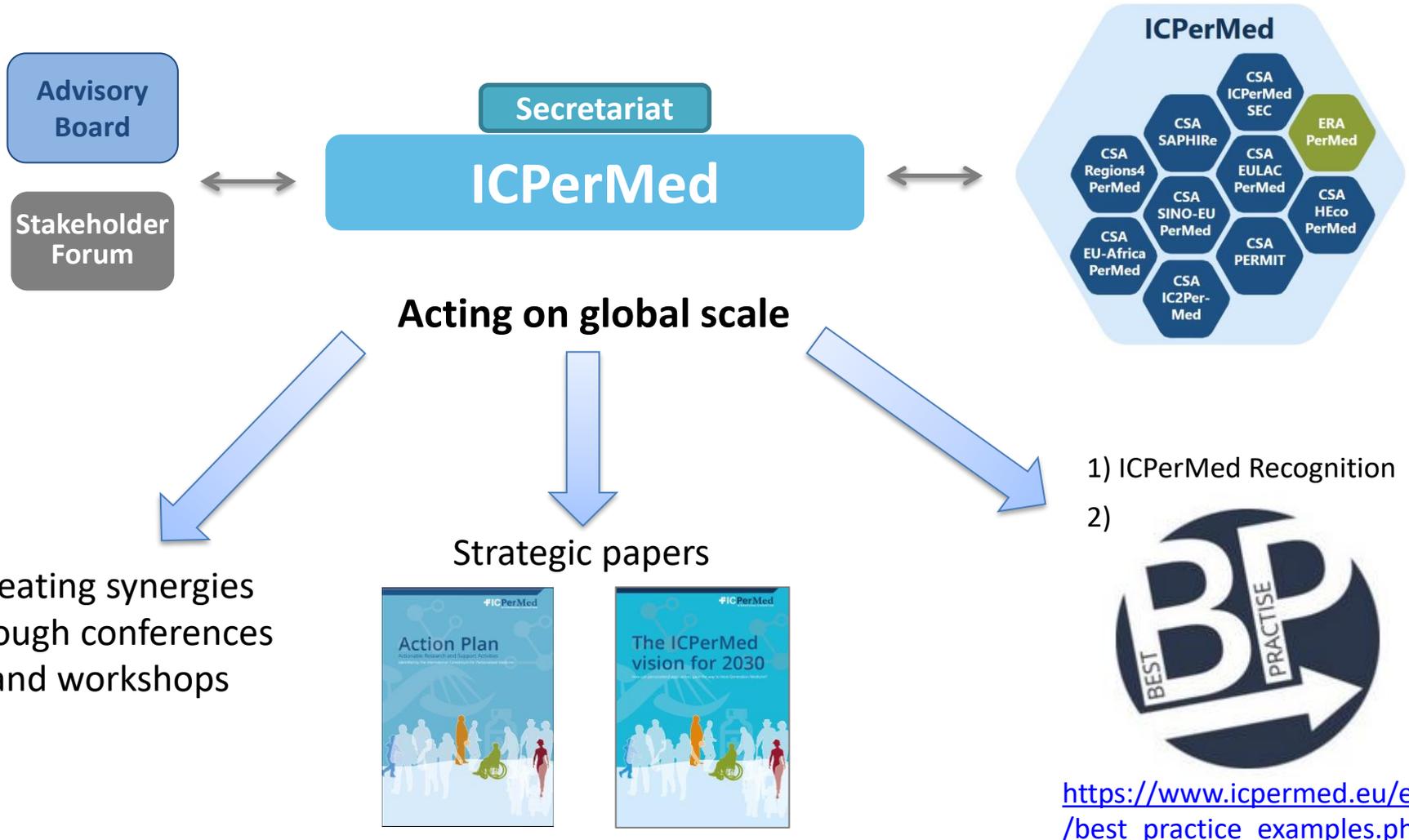


WG-Members: ICPerMed members & selected external experts

**Aim:** Implementing the ICPerMed activities prioritised by the Executive Committee

- Collect and present best-practice examples
- Develop recommendations and guidelines
- Develop and contribute to white papers of ICPerMed

# Bringing together stakeholders to advance personalised medicine



# International collaboration: Key to foster the uptake of personalised approaches in healthcare

- Excellent experts and initiatives located around the globe
- Reaching critical mass of data from various sources to develop and train algorithms and models used in PM approaches.
- Ensuring that developed approaches are applicable as broadly as possible and not limited to a specific regional context → increase the value of developments for the common good.

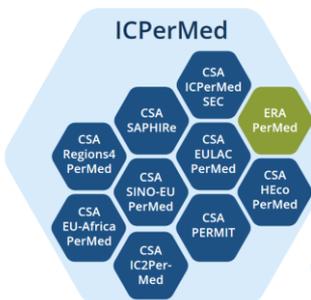
# ICPerMed Family: Europe and Africa collaboration



- Dedicated project focusing on collaboration between Africa and Europe.



- As ministry or funding organisation: Become a member or observer of ICPerMed
- As other type of organisation: Join the Stakeholder Forum
- Participate in the ICPerMed Recognition open worldwide  
 → Example: Winner in 2020: Maritha Kotze (Department of Pathology, Stellenbosch University and National Health Laboratory Service, Tygerberg Hospital, South Africa)



- Participation in ICPerMed Family activities  
 → Example: Joint research in personalised medicine: Participation of the SAMRC in the Joint Transnational Call for proposals of ERA PerMed 2022

## More information about ICPerMed

Mail: [ICPerMed@dlr.de](mailto:ICPerMed@dlr.de)

Internet: [www.icpermed.eu](http://www.icpermed.eu)

[ICPerMed@agencerecherche.fr](mailto:ICPerMed@agencerecherche.fr)