# SAPHIRe

Securing Adoption
of Personalised
Health in Regions

# Workshop
# barriers & needs

## 12- 13 March 2019
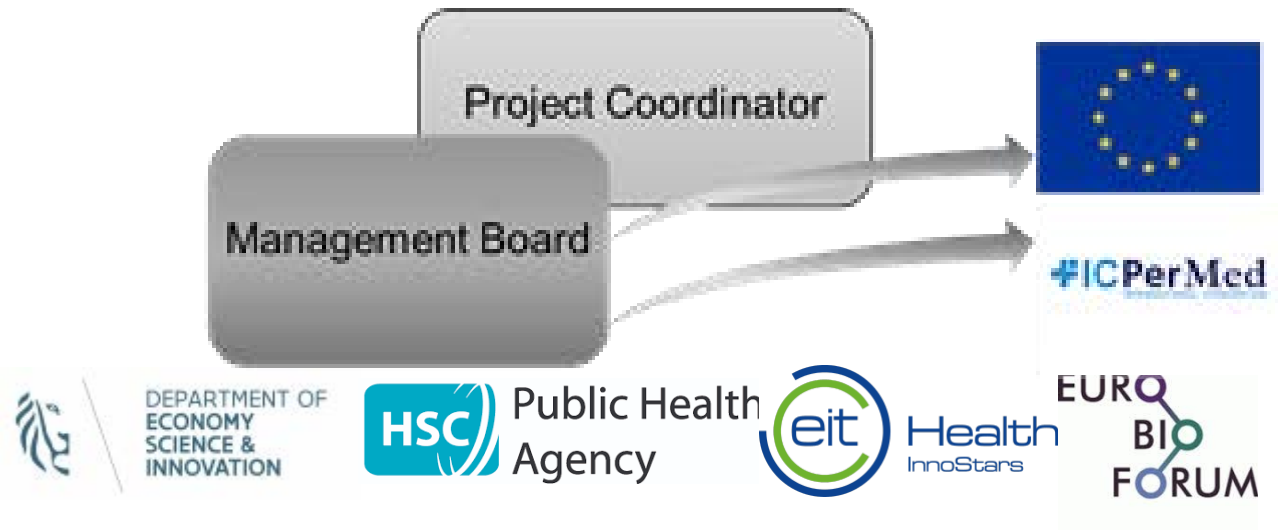## Brussels

https://www.saphire-eu.eu/

# SAPHIRe

## Securing the Adoption of Personalised Health in Regions

# SAPHIRe – PM historical

- 2010: Prep workshops (-omics, biomarkers, CTs/regulatory, uptake)

- 2011: European Perspectives conference

- 2011 - 2014 EuroBioForum (CSA)

- 2013: Commission Staff Working Document on KETs & PM

- 2015: Council conclusions on Personalised Medicine

# SAPHIRe – PM historical

- 2015: Strategic Research and Innovation Agenda of PerMed

- 2016: Personalised Medicine Conference

- 2016: Establishment of ICPerMed & secretariat

- 2017: ICPerMed Action Plan & ERA-NET ERA PerMed (2017-2022)

- 4-5 May 2017: Workshop "The contribution of EU regions to Research and Innovation for Personalised Medicine"

- 2018: S3P4PM & SAPHIRe

- 2011-2020: Funding research and innovation (FP7, H2020, IMI 1/2)
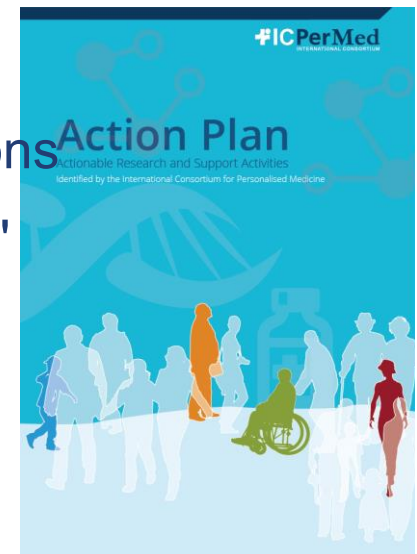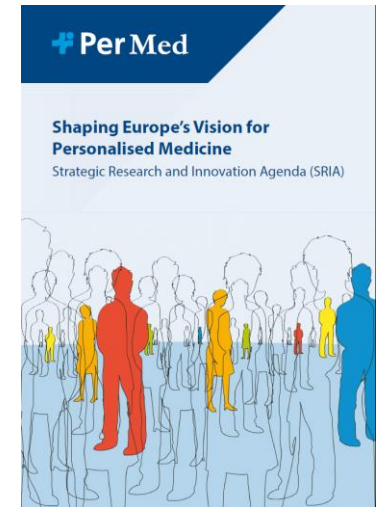
# Personalised Medicine in the RIS3 priorities

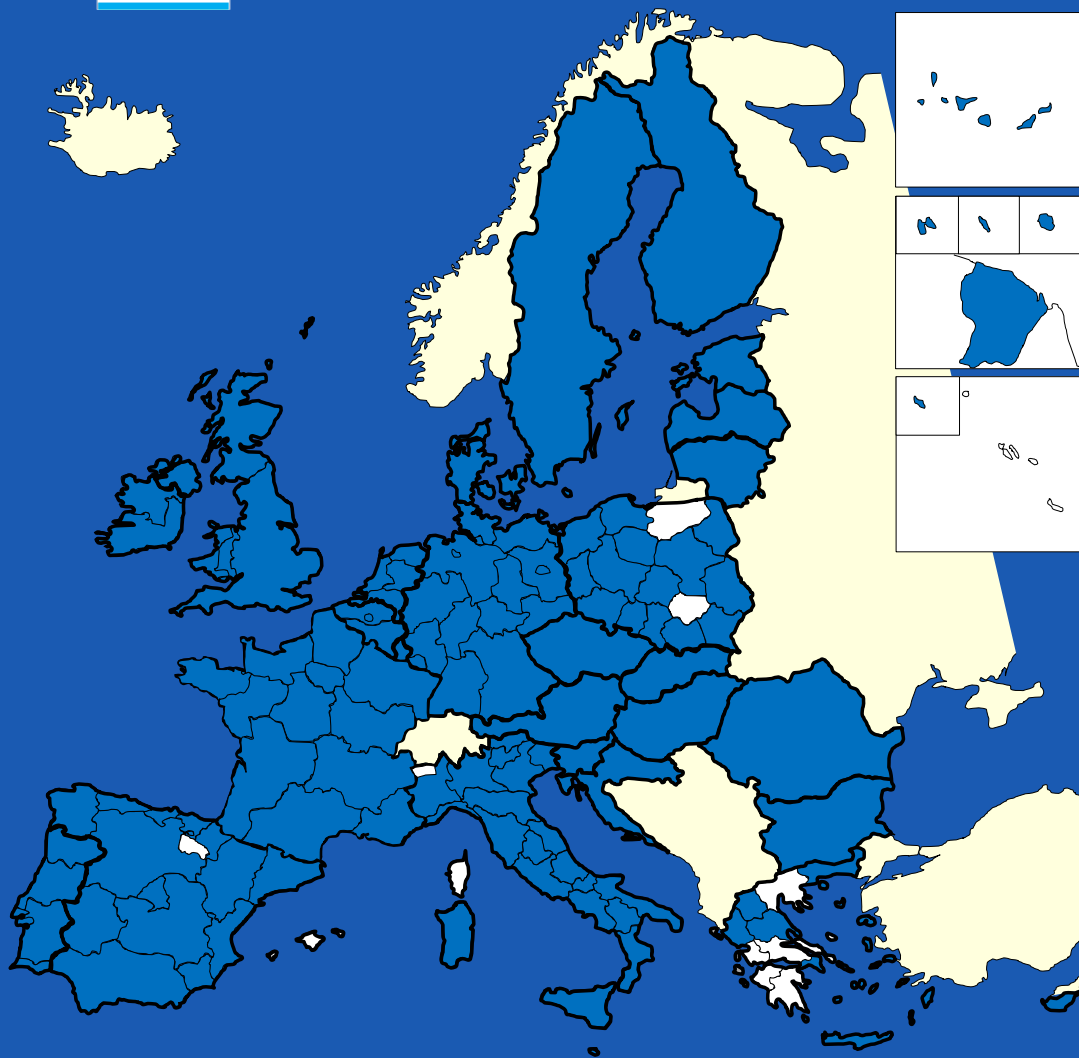## 52 RIS3 out of the 136 analysed, explicitly prioritise Personalised Medicine (38%)

☐ No Personalised Medicine priority in the RIS3

■ Personalised/stratified/precision Medicine priority in the RIS3
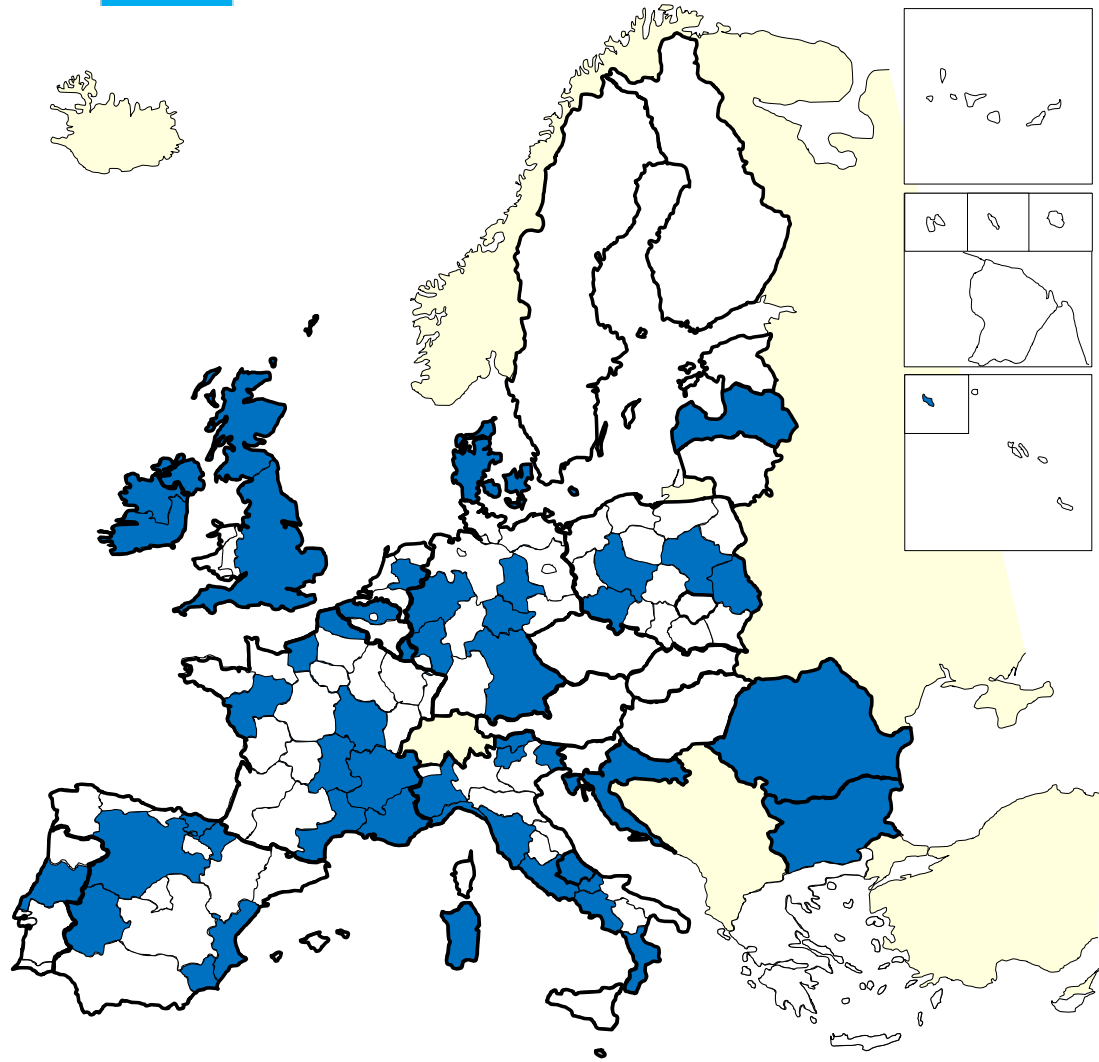
# Health R&I
# in the RIS3

124 RIS3 out of the 136 analysed include Health R&I as one of their priorities

European Commission

☐ No Health R&I priority in the RIS3

☐ Health R&I priority in the RIS3

# CONTEXT in EUROPE

**Regions & interregional cooperation**

**European Commission** | **Pan-European**

| ERANET PERMED | IC-PERMED | SAPHIRe | S3-P4PM | VANGUARD |
|---|---|---|---|---|
| National Funding | National Policy Agenda's | Regional Policy Agenda's | Joint investments & Industrial Value Chain | Inovation & Industrial Renewal |

UNDER CONSTRUCTION

**KETs**

**Reseach Funding** | **Policies** | **Economic growth & jobs**

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Health in Regions

eit Health | DEPARTMENT OF ECONOMY SCIENCE & INNOVATION | EURO BIO FORUM | HSC Public Health Agency Research and Development | European Commission

# Smart Specialisation Partnership for Personalised Medicine – S3P4PM



http://s3platform.jrc.ec.europa.eu/personalised-medicine
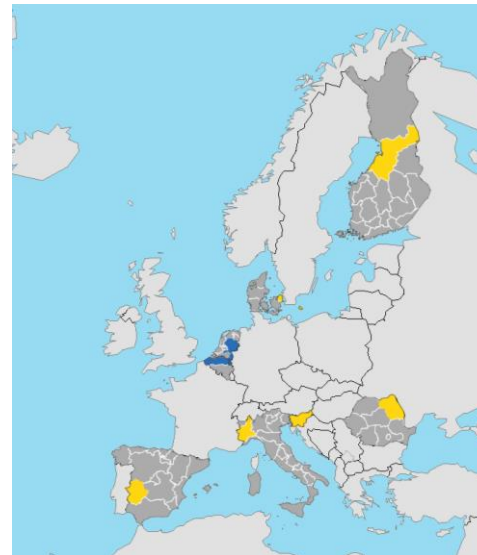
# SAPHIRe - Goals

> ➤ **Structuring the implementation of PM at regional level**
>> ➤ **Regional networking**
>>> ➤ **Central and densely populated regions**
>>> ➤ **Remote & sparsely populated regions**
>>> ➤ **Different innovation levels**
>> ➤ **Link to ICPermed**
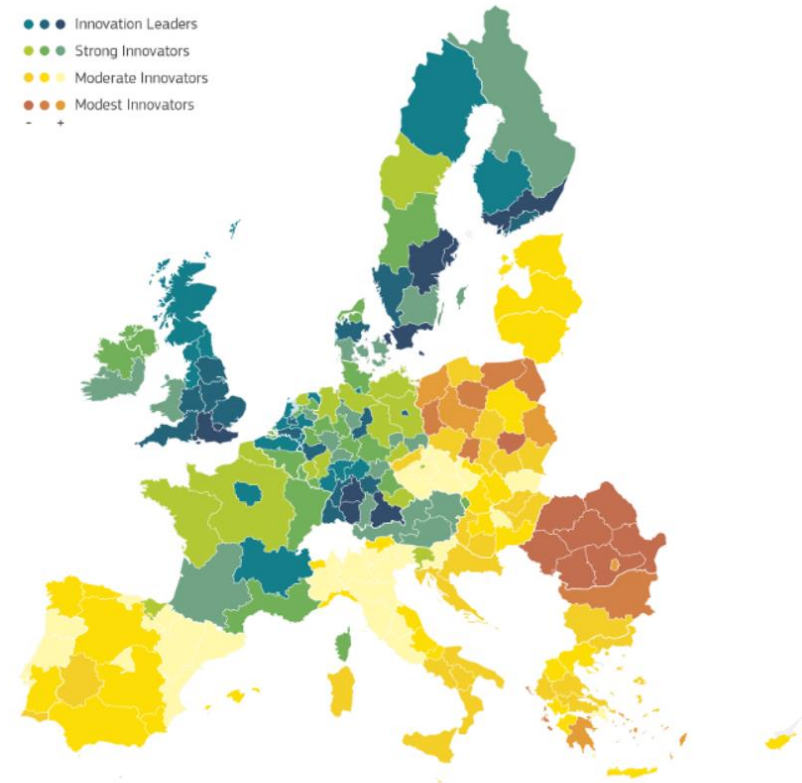


http://ec.europa.eu/growth/industry/innovation/facts-figures/regional_en

# SAPHIRe – How? What?

➢ **To integrate regional priorities in a broader context that includes research, health and economic policies**

- *Identify gaps & barriers*

- *Identify best practices*

- *Identify regional value chains*

- *Identify complementarities between different regions*

- *Need for a regional roadmap including milestones*
    - *A template for other regions*
    - *Adaptable*
    - *Basis for evaluation and monitoring of efforts*

- *Develop a network of EU PM regions*

- *Develop new X-regional collaborations/ activities*

# SAPHIRe – How? What?

➢ *Landscaping*
- *Liaising*
  - regional policymakers, regulators and research funders
  - industry
  - patient orgs, which are mostly regional

- *Desktop research*

  - policy documents and implementation modalities directly relevant for PM
  - ID regional gaps, needs, barriers towards PM;
  - ID case examples of PM approaches in regions and interregional

- Examples of regional roadmaps / template development
- Infrastructural needs
- Funding needs
- Regulatory needs
- Role of university hospitals/ regional hospitals
- Specific needs in EU13, sparsely populated regions, …

# SAPHIRe – How? What?

➢ *Deliverables*

- *A regional **roadmap** as template*
- ***Policy notes** summarising the outcome of workshops*
- *An **active network** of EU PM regions*
- *A basis to **build future collaborative actions** between regions to roll out PM across Europe*
- *Website, communication*

# SAPHIRe in short

**Scout** ▶ landscaping

**Connect** ▶ Network

**Activate** ▶ Implement
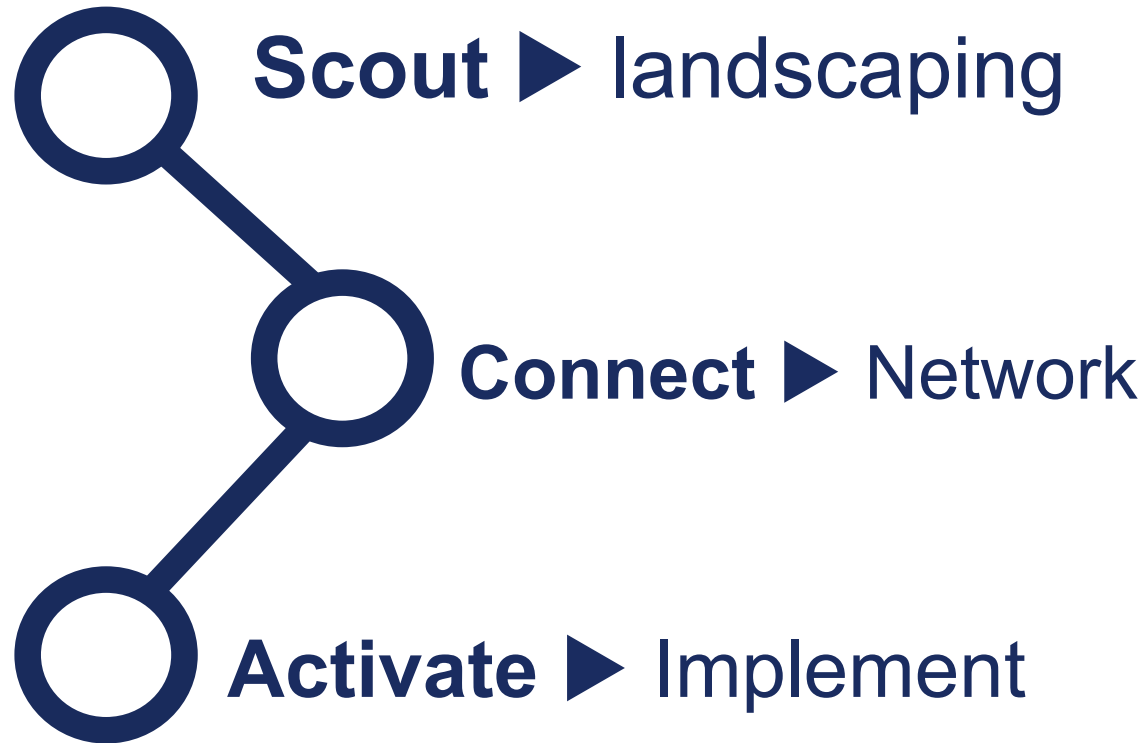
# Impacts expected

➢ Strengthened links between European regions
  ➢ **regional authorities, major regional actors**: funders, policy- and decision-makers, and opinion leaders, involves funding institutions, ministries, politicians and government representatives, experts on international, EU, national, regional and local level.
  ➢ **cluster organisations and major industry partners**, including SMEs addressing PM.
  ➢ **scientists, healthcare professionals, patient organisations and broader public**
    ➢ awareness on progress and opportunities
    ➢ needs for this field to advance: standardised procedures; access to databases; other infrastructure; needs for coordinated approaches.
  ➢ **relevant initiatives** in the field of PM.
  ➢ Contributing to the **ICPerMed** goals

➢ Recommendations on best practices in implementing PM at regional level
➢ Aligning research funding with ongoing and foreseen investments e.g. from Structural Funds

# Workshop **Barriers** & Needs

- ICPerMed Challenges
  - Awareness and empowerment;
  - Integration of big data and digital solutions;
  - Translating basic research to clinical research;
  - Bringing innovation to market;
  - Sustainability of healthcare;

- DATA
  - Availability of data;
  - Fragmentation of data;
  - Privacy issues;
  - Impact of GDPR guidelines;

- Policies
  - Fragmentation of authority level
  - Availability & access to funding
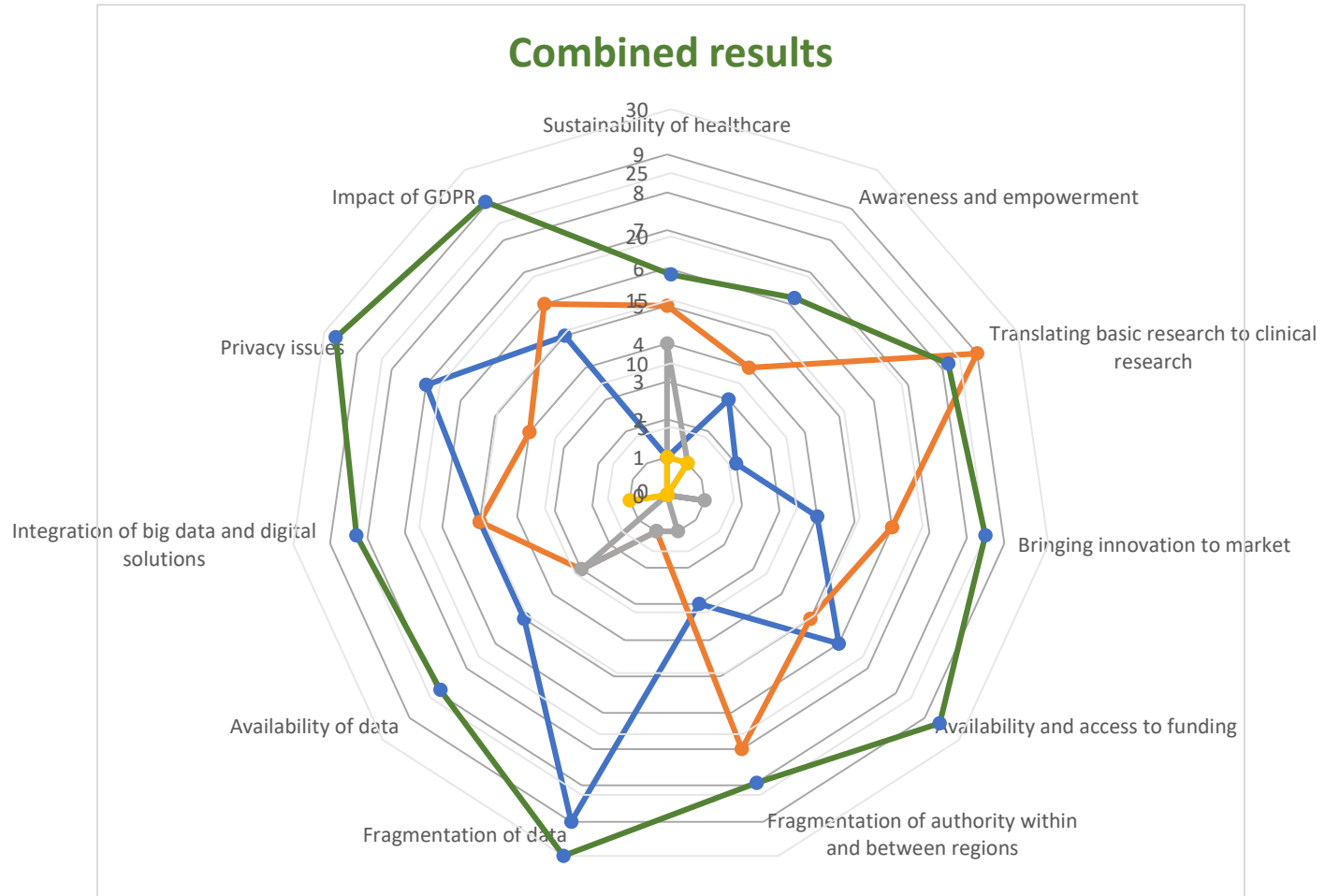
# Workshop Barriers and Needs
## Brussels, 12-13 March

| | | | | REGIONS | | | | | | COUNTRIES | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Legend** | Oulu | Capital region of Denmark | PIEMONTE | Extremadura | NORD EST ROMANIA | Campania | Podlaskie | Northern Ireland | SLOVENIA | SWEDEN | HUNGARY |
| Leader +<br>Strong +<br>Strong -<br>Moderate +<br>Moderate - | | | | | | | | | | | | |
| **IC-PERMED CHALLENGES** | | | | | | | | | | | | |
| Awareness & empowerment | NR | M | M | H | H | ? | M | M | H | L | ? |
| Integration of big data and digital solutions | H | M | H | NR | H | M | M | H | H | M | M |
| Translating basic research to clinical research | M | M | M | M | H | M | M | H | M | M | M |
| Bringing innovation to market | H | L | M | M | M | H | M | H | M | H | M |
| Sustainability of healthcare | NR | M | M | L | M | L | M | M | H | L | L |
| **DATA** | | | | | | | | | | | | |
| Availability of data | M | H | H | H | H | L | H | M | M | L | L |
| Fragmentation of data | H | H | H | L | M | H | H | H | H | H | H |
| Privacy issues | M | H | M | M | H | M | M | H | H | H | H |
| Impact of GDPR | M | H | M | H | H | M | H | H | M | M | M |
| **POLICIES** | | | | | | | | | | | | |
| Fragmentation of authority within and between regions | L | H | M | M | M | M | M | H | M | H | M |
| Availability and access to funding | M | M | H | M | H | H | H | M | H | M | H |

**SAPHIRe**
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**Factors interfering with the implementation of personalised medicine**

# Workshop Barriers & **Needs**

- **Foresight**:

  - where would your region want to be by 2025? Ideally? Realistically? What is needed to realise this? @ scientifically level, policy related, data, other? How to continue?

- Specific needs for remote and sparsely populated regions? How to address?

- How increase innovation level in less strong innovating regions? Is this required?

# Workshop Barriers & Needs

- **Solutions, opportunities, recommendations**
  - Identified barriers and needs
  - ➢ Realistic options for future development and implementation of PM in regions
  - ➢ Specific to remote and sparsely populated regions
  - ➢ Addressing the innovation needs

# Workshop Barriers & Needs

- Expectations for SAPHIRe to realise

    - **Inspiration and knowledge** from other European regions
    - Share and learn about **good practices** in implementation of PM in the healthcare system, promotion of both research and innovation in PM
    - Establish collaboration, learn and share **good practices** between partners from various regions in implementation of PM with the final aim of improving healthcare system
    - Better understand **the hurdles towards adoption** of Personalised healthcare solutions across Europe and contribute to the discussion on the identification of **common issues and common solutions**
    - Supporting **future development** of the personalised medicine and linked initiatives specifically designed within the framework of a dedicated network; **facilitating PM joint strategic investment** proposals
    - I would like to **learn** about personalised health, its definition and possible areas
    - Evaluate possible **strategies** to overcome actual barrier in PM, **networking**, possibility to access grant and **funding** opportunities

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