

# European Partnership for Personalised Medicine calling for national and regional involvement

An information event by ICPeMed and ERA PerMed

May 31, 2021



# "European Partnership for Personalised Medicine calling for national and regional involvement"

May 31<sup>st</sup> 2021



Local and regional communities and governments have a key role in delivering the benefits of the digital transformation to the public.

1. They are responsible for 50% of public investment in the EU,
2. receive 25% of tax revenues and
3. are a major public employer.

**IN EU THERE ARE 74 REGIONAL LEGISLATIVE ASSEMBLIES, AROUND 280 REGIONS, AND 80 000 LOCAL AUTHORITIES IN EUROPE**

# Functions delegated at Regional level in Europe

Table 1. Overview of functions delegated to local and regional authorities by country. The table shows how in 24 out of 28 member states (UK still included), local and regional authorities enjoy a form of autonomy that can be leveraged to implement personalized medicine.

Member state	Legislative	Planning	Implementation	Funding	Member state	Legislative	Planning	Implementation	Funding
AT	✓	✓	✓	✓	IE	✗	✗	✗	✗
BE	✗	✓	✓	✓	IT	✓	✓	✓	✓
BG	✗	✗	✓	✓	LT	✗	✓	✓	✓
CY	✗	✗	✗	✗	LU	✗	✗	✗	✗
CZ	✗	✓	✓	✓	LV	✗	✗	✓	✓
DE	✗	✓	✓	✓	MT	✗	✗	✗	✗
DK	✓	✓	✓	✓	NL	✗	✓	✓	✓
EE	✗	✗	✓	✓	PL	✗	✓	✓	✓
EL	✗	✗	✗	✗	PT	✗	✗	✓	✓
ES	✓	✓	✓	✓	RO	✗	✗	✓	✓
FI	✗	✓	✓	✓	SE	✗	✓	✓	✓
FR	✗	✓	✓	✓	SI	✗	✗	✓	✓
HR	✗	✓	✓	✓	SK	✗	✗	✓	✓
HU	✗	✗	✓	✓	UK	✓	✓	✓	✓

✓ LRAs have a role; ✗ LRAs do not have a role.  
 LRA: Local and regional authority.  
 Image created with data taken from [47].

Soldi C, Odone R. The Management of Health Systems in the EU Member States: the Role of Local and Regional Authorities. Publications Office of the European Union (2017)

The evolution of personalized healthcare and the pivotal role of European regions in its implementation

Christine Nardini†, Venet Osmani†, Paola G Cormio†, Andrea Frosini, Mauro Turrini, Christos Lionis, Thomas Neumuth, Wolfgang Ballensiefen, Elio Borgonovi† & Gianni D'Errico†

Published online 7 July 2021 | <https://doi.org/10.1038/s41531-021-0020-1>

## European Structural and Investment Funds (ESIF)

1. Regions manage substantial funding within the European Structural and Investment Funds (ESIF) framework. To give an estimate of the pivotal role of regions, over half of the total EU funding is channelled through the ESIF. Two of 5 pillars are i) Research and innovation and ii) Digital innovation – both are essential for the implementation of Personalised Medicine (PM). The purpose of all these funds is to invest in job creation and a sustainable and healthy European economy and environment.
2. The European Regional Development Fund (ERDF): under the ESIF framework ERDF, is particularly relevant in relation to EP PerMed as it aims to strengthen economic and social cohesion in the European Union by correcting imbalances between its regions. A political agreement has now been reached to continue the ERDF (and other funds) for the next budgeting period 2021-2027

## SINERGIES WITH REGIONAL FUNDS (ERDF)

### SPECIFICITIES AND COMPLMENTARITIES

Horizon Europe	Cohesion Policy (ERDF)
<ul style="list-style-type: none"> <li>• Focus on <u>European research and innovation excellence</u></li> </ul>	<ul style="list-style-type: none"> <li>• Focus on regional relevance and economic transformation, based on smart specialisation strategies</li> </ul>
<ul style="list-style-type: none"> <li>• Focus on <u>frontier research</u>, generation and exploitation of <u>new knowledge</u> and <u>disruptive, market-creating innovations</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Broad innovation concept</u>; focus on <u>diffusion and exploitation of existing knowledge &amp; technology</u> to places that need it</li> </ul>
<ul style="list-style-type: none"> <li>• Quality-based competition for funds, incl. beyond EU</li> </ul>	<ul style="list-style-type: none"> <li>• Focus of support on where it is most needed inside the EU</li> </ul>
<ul style="list-style-type: none"> <li>• Predominantly trans-national projects and consortia</li> </ul>	<ul style="list-style-type: none"> <li>• Predominantly "mono-beneficiaries" or actors in the same country/region (exception: Interreg)</li> </ul>
<ul style="list-style-type: none"> <li>• Focus on R&amp;I <u>activities</u> and "<u>R&amp;I community</u>" in view of contributing to other policies</li> </ul>	<ul style="list-style-type: none"> <li>• Focus on R&amp;I <u>capacities</u> and innovation ecosystem development, as one part of a <u>comprehensive policy</u> with sustainable &amp; inclusive growth and a broad partnership</li> </ul>
<ul style="list-style-type: none"> <li>• Centralised Management</li> </ul>	<ul style="list-style-type: none"> <li>• Shared Management</li> </ul>

## Synergies between funds

Synergies can be achieved in various ways:

- By bringing together R&I framework and ERDF funds in the same project (that could be a single action or a group of coordinated actions/operations, but under the precondition that there is no double funding of the same expenditure item) to achieve greater impact and efficiency.
- By subsequent funding to projects that build on each other a parallel projects that complement each other.

ESIF programmes could also be designed and implemented to take up high quality project proposals from R&I framework programmes, for which there is not enough budget available in the respective programmes Or?

## OTHER TYPES OF SYNERGIES

- Combining funding from Horizon 2020 and the ESIF (and/or from other sources) for coordinated parallel actions that complement each other
- Bringing together funding from Horizon 2020 and the ESIF in an integrated research and innovation project that could be a single action or a group of inter-dependent actions or operations
- Providing funding from alternative sources. **Seal of Excellence** (SoE): high-quality label awarded to projects submitted to Horizon 2020 which were deemed to deserve funding but did not receive it due to budget limits. Currently awarded to SME instrument, MSCA, Teaming, (ERC PoC in preparation).
- Voluntary transfer of Cohesion Policy allocations to Horizon Europe (proposed): MS may request transfer of up to 5 % of their programme resources to any other EU Fund or instrument under shared, direct or indirect management (Art. 21 CPR)
- Interreg Component 5 “interregional innovation investment” instrument (proposed). Aims to facilitate the development of value chains by helping smart specialisation partnerships cooperate in investments in shared priority areas. Based on the experience developed under the Platform for Industrial Modernisation.



# SYNERGIES WITH REGIONAL FUNDS (ERDF) - EXAMPLES



## Barriers

- Regulatory barriers:** lack of synchronization between ESIF and EU Direct funding;
- Organizational barriers:** administrative and managerial fragmentation, inability to forecast;
- Attitudinal barriers:** silo approach, language barriers, lack of practical support and tailored guidance.

## PRACTICAL EXAMPLES

- International Iberian Nanotechnology Laboratory INL (Portugal) - Building a center of excellence in applied nanotechnology research; leading up to successful Horizon participation; Construction phase: €30 million ERDF and co-financing from Interreg Spain-Portugal.
- Bio Base Europe (Belgium) – Open innovation and education centre for the biobased economy; established with the support from ESIF (Interreg Flanders/Netherlands)
- **Trans2care –Trans-regional Network for Innovation and Technology Transfer to Improve Health Care (Interreg Italy & Slovenia) – prepares researchers through focused training to compete in Horizon 2020**
- Joint Baltic Sea research and development programme BONUS addresses the challenges facing the Baltic Sea - closely aligned with many of the objectives and horizontal actions of the EU Strategy for the Baltic Sea Region and synergies with the Interreg Baltic Sea Region programme



*EU Funds working together for jobs and growth Examples of synergies between the Framework Programmes for Research and Innovation (Horizon 2020) and the European Structural and Investment Funds (ESIF): <http://ec.europa.eu/research/pdf/publications/ki-01-16-339-en-n.pdf>*

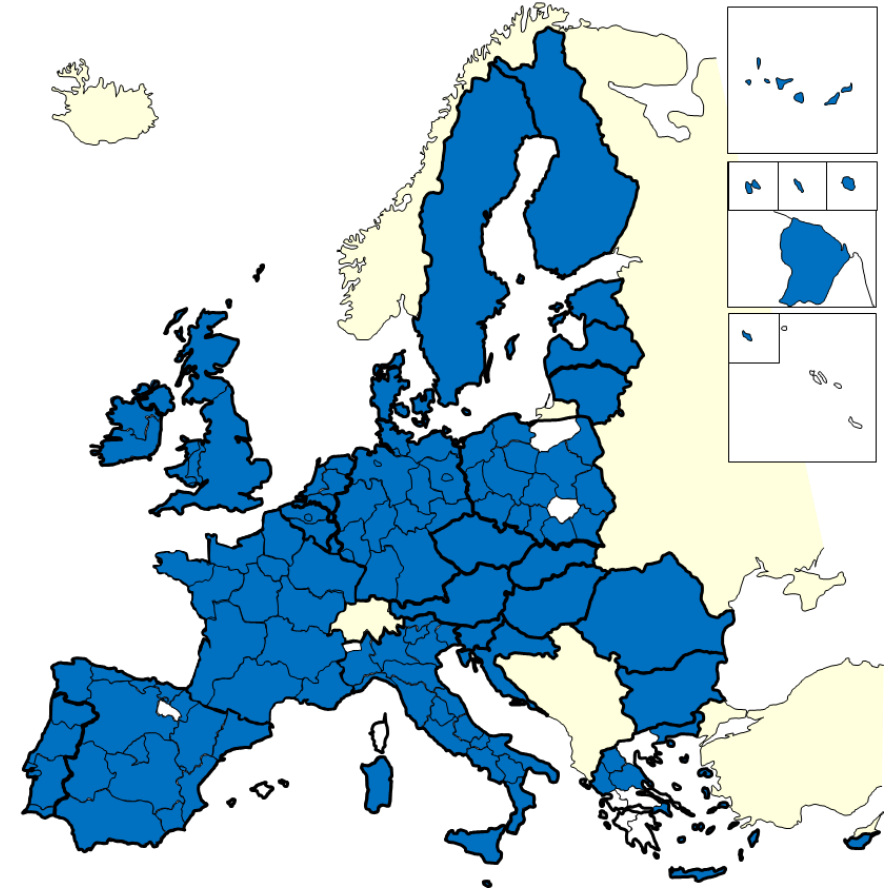
*Horizon Policy Support Facility: Mutual Learning Exercise on National Practices in Widening Participation and Strengthening Synergies: <https://rio.jrc.ec.europa.eu/en/policy-support-facility/mle-national-practices-widening-participation-and-strengthening-synergies> contains examples of Interreg-Horizon2020 synergies at operation level*

AT EU LEVEL  
(S3-wise)

## Mapping regional Health R&I priorities Region's R&I Smart Specialisation Strategies (RIS3)

**134 RIS3** out of the  
145 analysed **include**  
**Health R&I** as one of  
their priorities



-  No Health R&I priority in the RIS3
-  Health R&I priority in the RIS3

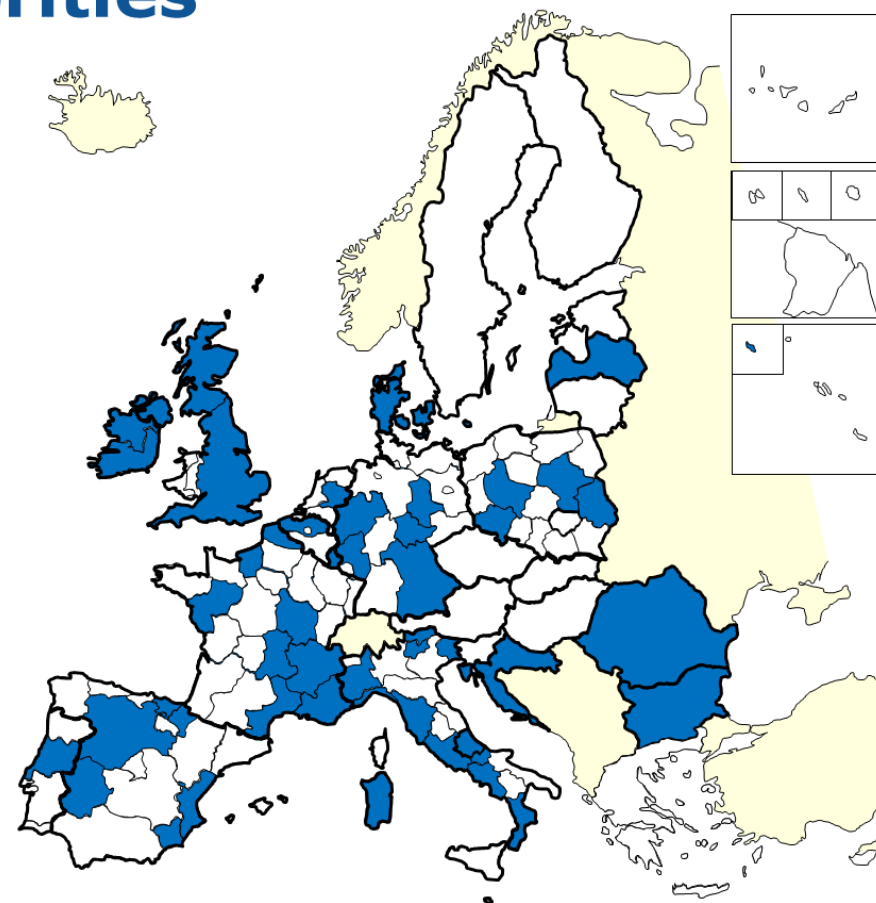


AT EU LEVEL  
(S3-wise)

## Personalised Medicine in the RIS3 priorities

**51 RIS3** out of the 145 analysed, **explicitly prioritise Personalised Medicine (35%)**

-  No Personalised Medicine priority in the RIS3
-  Personalised/stratified/precision Medicine priority in the RIS3





# Regions4PerMed: Conference AT THE EUROPEAN PARLIAMENT

**December 1<sup>st</sup> 2021**

**What** → Big Policy event with Regional and Local authorities to engage them in the Future initiatives of the IC-PerMed and the European Commission

**When** → December 1st 2021 -

**Where** → **European Parliament**, Brussels

**Goal** → Raise institutional awareness and peer pressure for the EU Regions and about the opportunities PM holds for the Regional health and care systems, as well as for the territorial economic growth and global competitiveness

**How** → Gather as many regional representatives as possible in one place and bring to the table evidence on advantages of and benefits from PM approaches. In this activity we will be supported by an Advocacy Agency located in Brussels.



Simona BONAFÈ

## REGIONS4PERMED – MEPs contacted to be Ambassadors of Regions in PM

**ENVI** Committee on the Environment, Public Health and Food Safety

**D-CN** Delegation for relations with the People's Republic of China

**DPAP** Delegation for relations with the Pan-African Parliament



Maria da Graça CARVALHO

**ITRE** Committee on Industry, Research and Energy

**AIDA** Special Committee on Artificial Intelligence in a Digital Age

**D-US** Delegation for relations with the United States

## REGIONS4PERMED – MEPs contacted to be Ambassadors of Regions in PM



Tomislav SOKOL

REGI

Committee on Regional Development

BECA

Special Committee on Beating Cancer

D-ME

Delegation to the EU-Montenegro Stabilisation and Association  
Parliamentary Committee

DMED

Delegation to the Parliamentary Assembly of the Union for the Mediterranean



Karlo RESSLER

AIDA

Special Committee on Artificial Intelligence in a Digital Age

# THANK YOU FOR YOUR ATTENTION

<https://www.regions4permed.eu/>



Regions4PerMed

Interregional coordination for a fast and deep uptake of personalised health

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# **Key Aspect: Regional Involvement**

## Comments by CSA SAPHIRe

Jolien Roovers

Department of Economy, Science and Innovation of the Flemish government



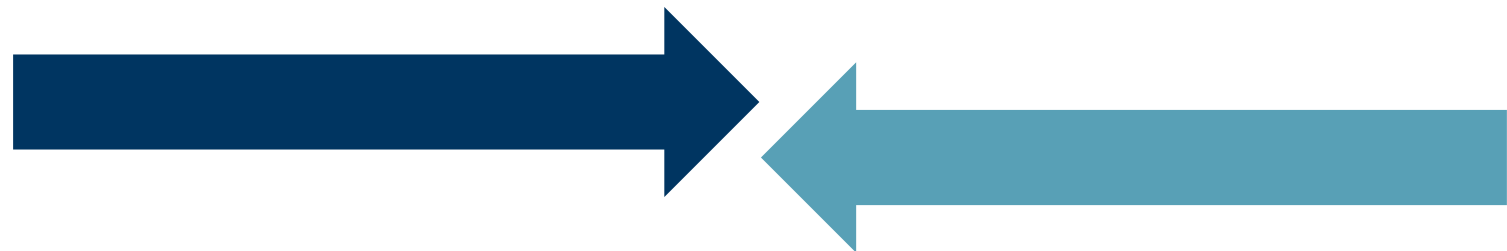
# Discussion points

- Q1: Funding model possibilities?
- Q2: At what level regions (representatives) are involved in decision making?
- Q3: Can one or more regions, from one country, participate in the EP in the absence of a national PM Hub?
- Q4: Regional commitments upfront of EP proposal?



# Create synergies - integration

- Build on existing models of regional collaboration platforms
  - Smart specialisation partnerships, e.g. Vanguard initiative



EP PerMed

- Member state level

Integration space

- Inform
- Connect
- Align

Interregional partnerships

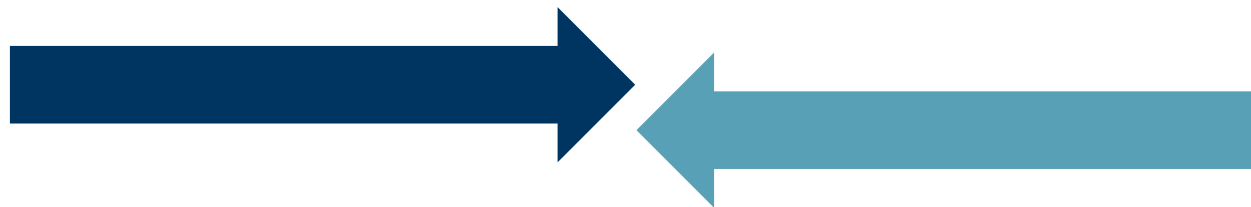
- Regional level



# Create synergies - integration

- Rationale

- Regions are hot spots of innovation
- HC is implemented and executed @ regional level/ strong regional actors
- Regional funds have different policies, modi operandi and specified regulation
- The top-up of 30% is not convincing enough for regional authorities to allocate their funds under national control



EP PerMed

- Member state level

Integration space

- Inform
- Connect
- Align

Interregional partnerships

- Regional level

