



SAPHIRe

Securing Adoption
of Personalised
Health in Regions

Personalised medicine Lessons learned from SAPHIRe

Science meets Regions –
Piatra Neamt, 9 June 2022

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DEPARTMENT OF
ECONOMY
SCIENCE &
INNOVATION

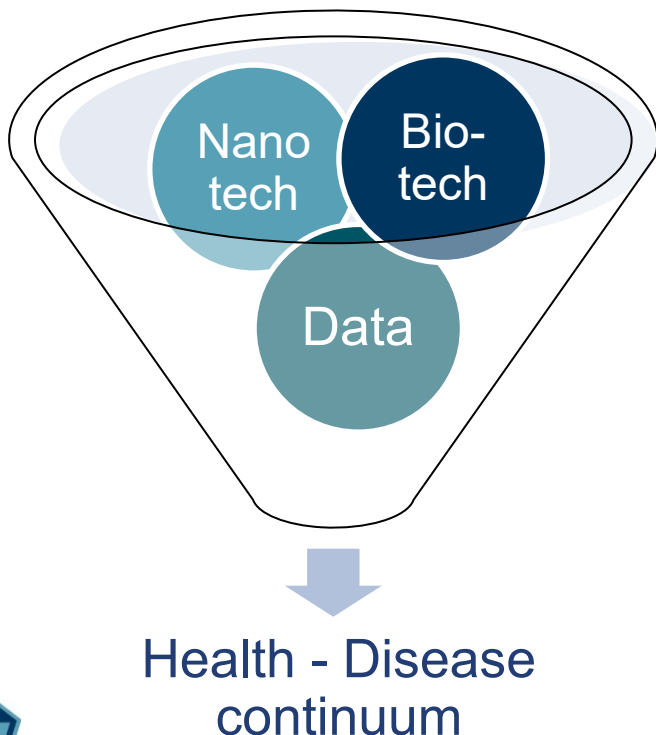
EURO
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HSC Public Health
Agency
Research and Development



Personalised health?

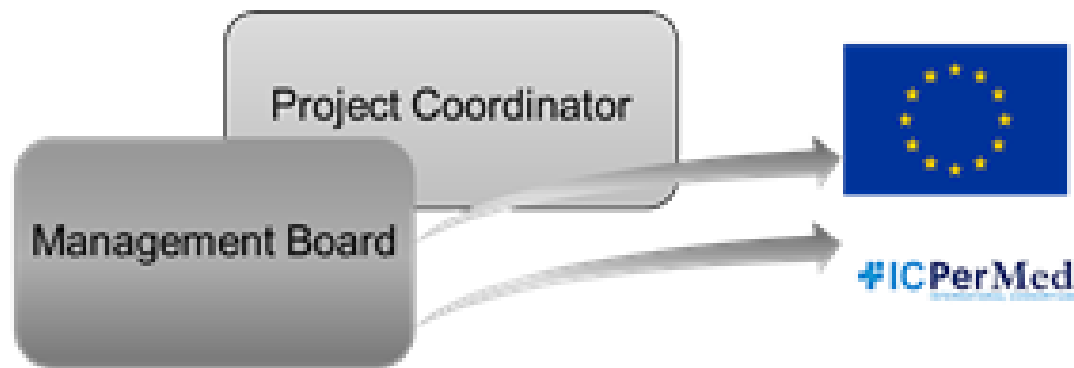
- Builds further on the concept of **personalised medicine**
- Towards **preventive** medicine – conserving health, increasing wellbeing



- Early, accurate diagnosis
- Increase healthy life years
- Sustainability of healthcare
- Boost development of new technologies, treatments & therapies



SAPHIRe Partners



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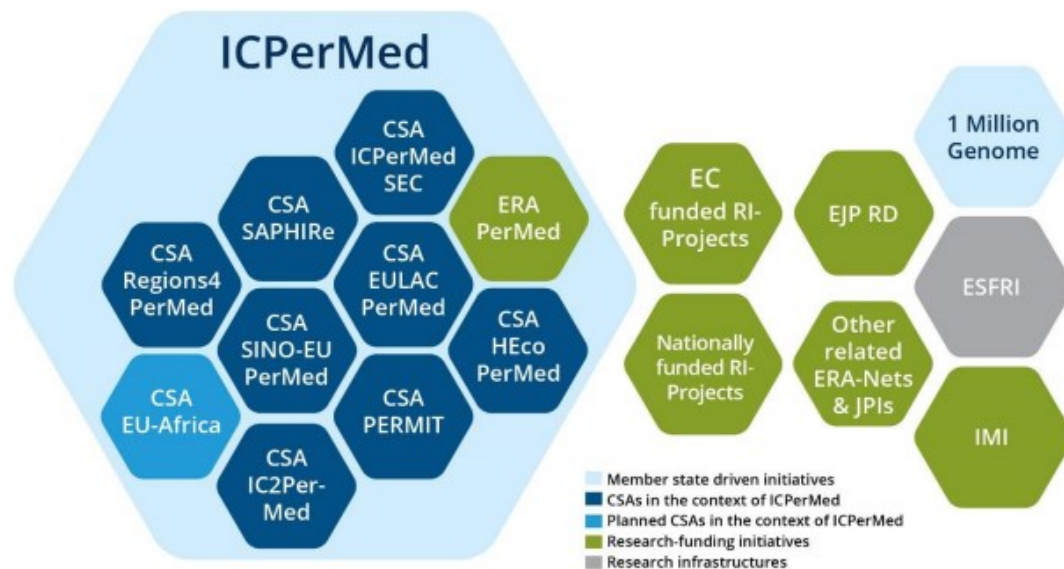


Public Health
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Health
InnoStars

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SAPHIRe focus on regions

Why regions?

- Hot spots/hubs for **innovation**
- **Transition domain** personalised medicine
 - driver for sustainable healthcare and innovative applications
 - regional R&I Smart Specialisation Strategies (RIS3)
- **Specific challenges:**
 - Different authority levels
 - Different innovation levels
 - Regions with special needs
 - Remote and sparsely populated



Regional networking

Bring together

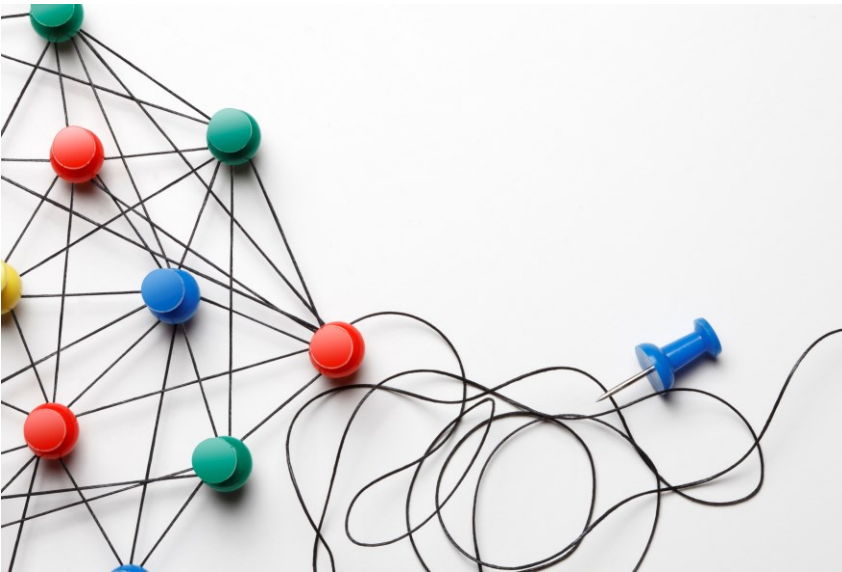
- Central & densely populated regions
- Remote & sparsely populated regions
- Different innovation levels

Identify

- Gaps & barriers
- Best practices
- Regional value chains
- Complementarities between regions

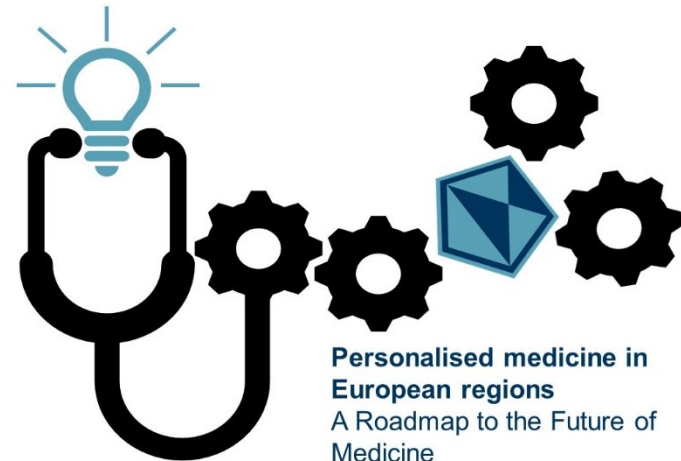
Link to

- [ICPerMed](#)
- Smart specialisation [S3P4PM](#),
[Vanguard Initiative Pilot Smart Health](#)



SAPHIRe
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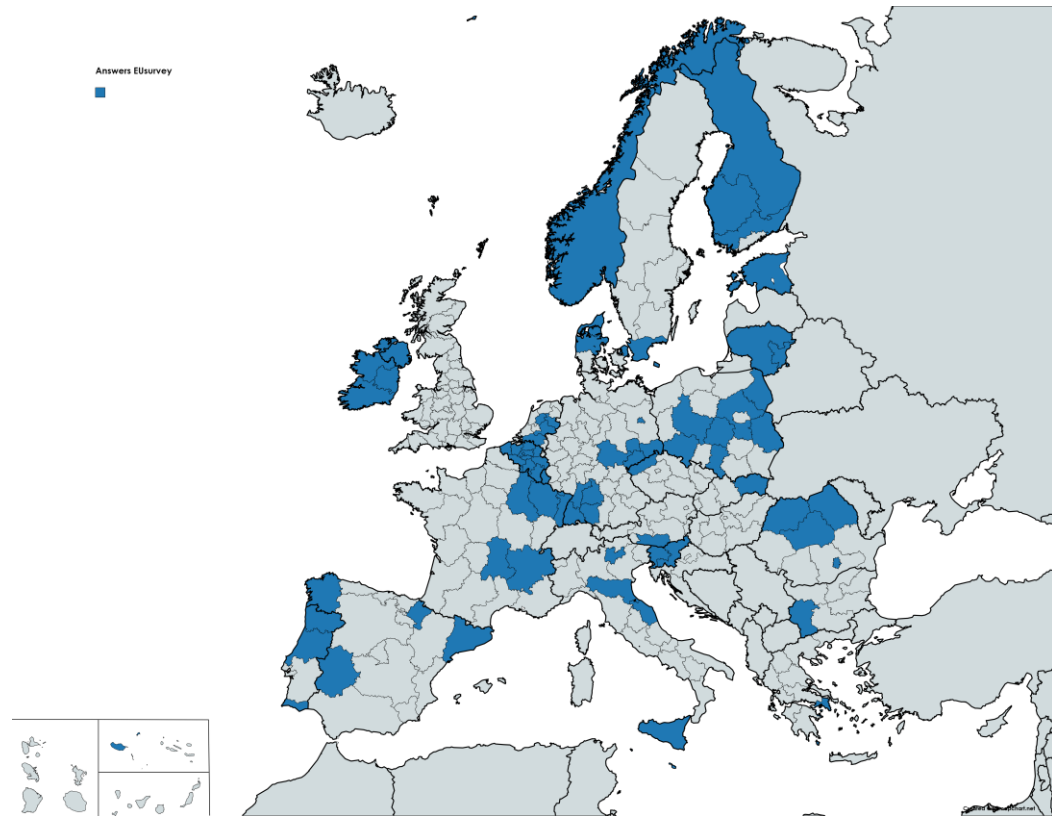
SAPHIRe Observatory, Reports & EU Surveys



SAPHIRe Observatory

56 regions of 25 countries

Country	# Region(s)
Austria	1
Belgium	3
Bulgaria	1
Czech Republic	1
Germany	4 (+ national level)
Greece	1
Denmark	3
Spain	4
Estonia	1 (=country)
Finland	3
France	2
Italy	4
Ireland	1 (=country)
Lithuania	1 (=country)
Luxembourg	1 (=country)
Malta	1 (=country)
Netherlands	2
Poland	7
Portugal	4
Romania	4
Sweden	1
Slovenia	1 (=country)
Slovakia	1
UK	1
NO	1 (=country)
Jersey	



SAPHIRE Reports

1° Regional Report

2° Personalised Medicine Initiatives

3° Other Initiatives

4° Geographical Information

5° Competences in EU countries

6° Other lists = basis for new regional report

- General

- Innovation performance
- Population density
- Total population
- Proportion population older than 65y
- 1 million+ Initiative
- At least 3 remote island region?

[Belgium](#)

[Finland - Etelä-Suomi](#)

[Finland - Pohjois-Suomi](#)

[Germany - Sachsen](#)

[Germany - Berlin](#)

[Italy - Piemonte](#)

[Italy - Provincia Autonoma di Trento](#)

[Italy - Friuli Venezia Giulia](#)

[Italy - Toscana](#)

[Netherlands - National level](#)

[Netherlands - Limburg](#)

[Netherlands - Noord-Brabant](#)

[Netherlands - Overijssel](#)

[Netherlands - Zeeland](#)

[Northern Ireland](#)

[Poland - National level](#)

[Poland - Lubuskie](#)

[Romania - Sparsely populated Regions \(SSPA\)](#)

[Romania - Sparsely populated Regions \(SSPA\)](#)

[Slovakia - National level](#)

[Slovakia - National level](#)

[Spain - Extremadura](#)

• [Document - Overview of PM stakeholders in EU regions](#)

• [Document - Overview of biobanks and genomic initiatives in EU regions](#)

• [Document - Overview of interregional project collaborations per project](#)

• [Document - Overview of interregional project collaborations per region](#)

• [Adriatic Ionian Region](#)

• [Alpine Region](#)

• [Baltic Sea Region](#)

• [Danube Region](#)

• [Interreg Central Europe](#)

• [Northern Sparsely populated Areas \(NSPA\)](#)

• [Southern Sparsely populated Regions \(SSPA\)](#)

• [Vanguard Initiative](#)

• [Mountain, Island, Remote, Sparsely populated Regions](#)

• [Slovakia - National level](#)

• [Slovakia - National level](#)

• [Spain - Extremadura](#)

• [Spain - Extremadura](#)

• [Spain - Extremadura](#)





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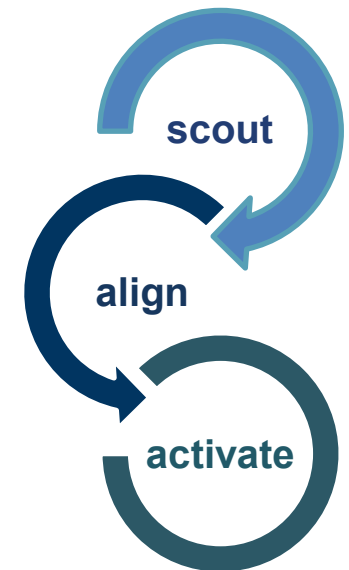
Securing Adoption
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Health in Regions

A roadmap for regions towards personalised medicine

SAPHIRe - Modular roadmap

What?

- a strategic plan to guide progress toward a goal.
 - ✓ based on a logic strategic thinking to reach the goal and the underpinning plan to realise it
 - ✓ major steps or milestones
 - ✓ high-level document for communication purposes
 - decision makers, stakeholders and the public at large
- Modular?
 - ✓ Different needs, ambitions, capacities, authorities



SAPHIRe - Modular roadmap

Messages from workshops and surveys

- Disconnect between academia/ industry/ health care and regional/ national authorities/ policy and decision makers
- Importance of identifying the right partners:
 - ✓ language, awareness, policy domains
 - ✓ strategies, decisions
- Different organisation in countries
- Different authority distributions of regions
 - ✓ NUTs levels not always corresponding to the authority level



Creating a supporting policy framework



A smart specialisation R&I strategy

- Building on assets
- Create innovation value chains
 - ✓ X-policy domain
 - ✓ SWOT analysis
- Attract mix of funding
 - ✓ ERDF, Cohesion Policy
 - ✓ HEU
 - ✓ National, regional, private, ...
- Join Vanguard Initiative Pilot Smart Health or Smart specialisation partnership for Personalised Medicine or Medical Technologies



Align policy levels



Creating an R&I ecosystem



**Creating a healthcare ecosystem
for implementation and absorption**

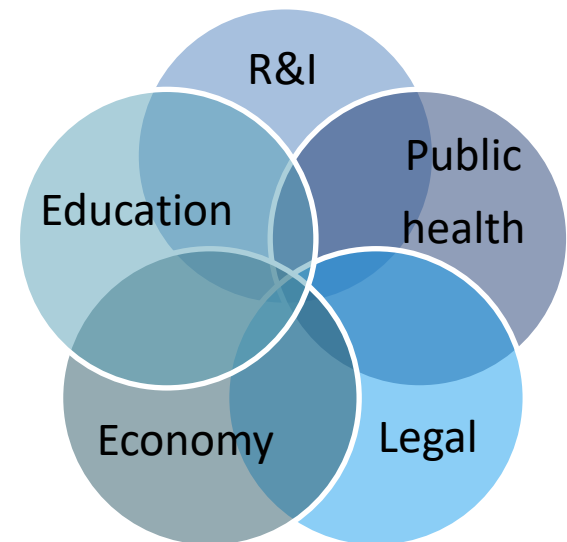


Awareness



Skills of the future

Policy domains implicated



Interregional and pan-European collaborations

RIS 3 strategies

- Finding interregional complementarities for novel innovations
- Vanguard Initiative to align the regional funds with other funding mixes

EP PerMed

- using regional assets

Pilot Action on Partnerships for Regional Innovation

- enhance the coordination and directionality of regional, national and EU R&I policies to implement Europe's green and digital transitions and to tackle the innovation divide in the EU



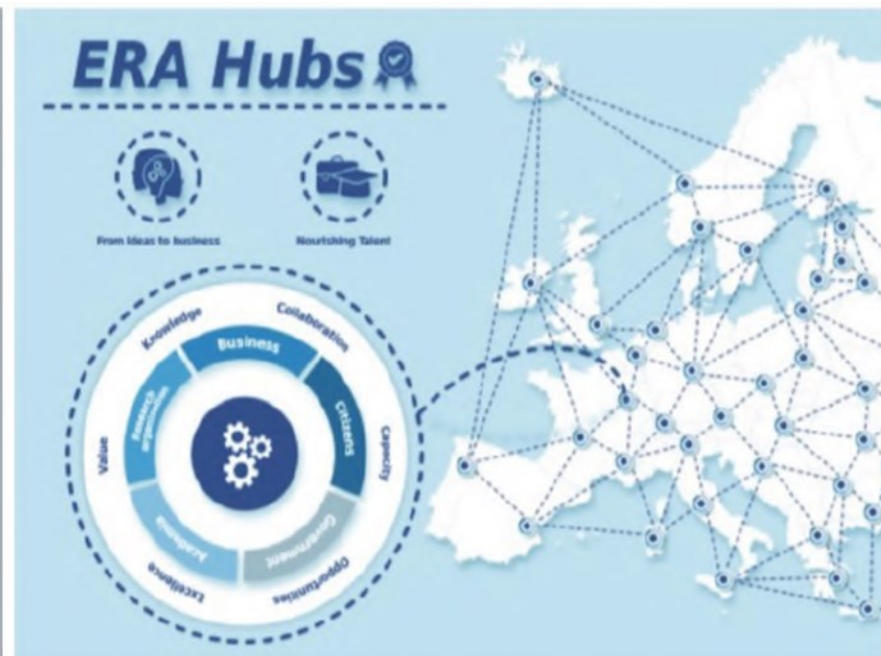
Interregional and pan-European collaborations

ERA hubs for personalised medicine

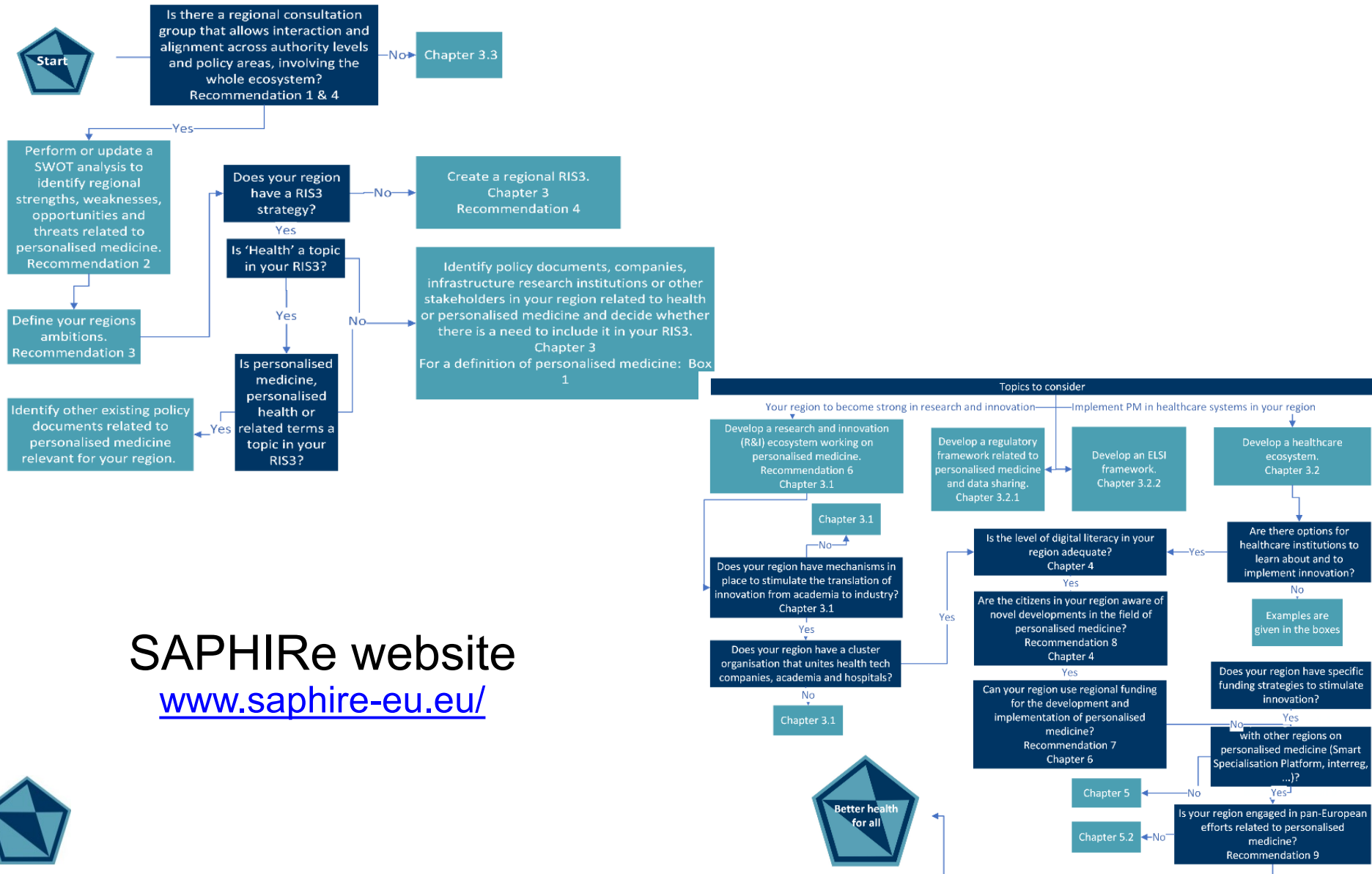
- Build-up research and innovation ecosystems to improve excellence and competitiveness
 - Ensure flow of talents and investments
 - R&I ecosystem across the EU, fill territorial gaps

Objectives:

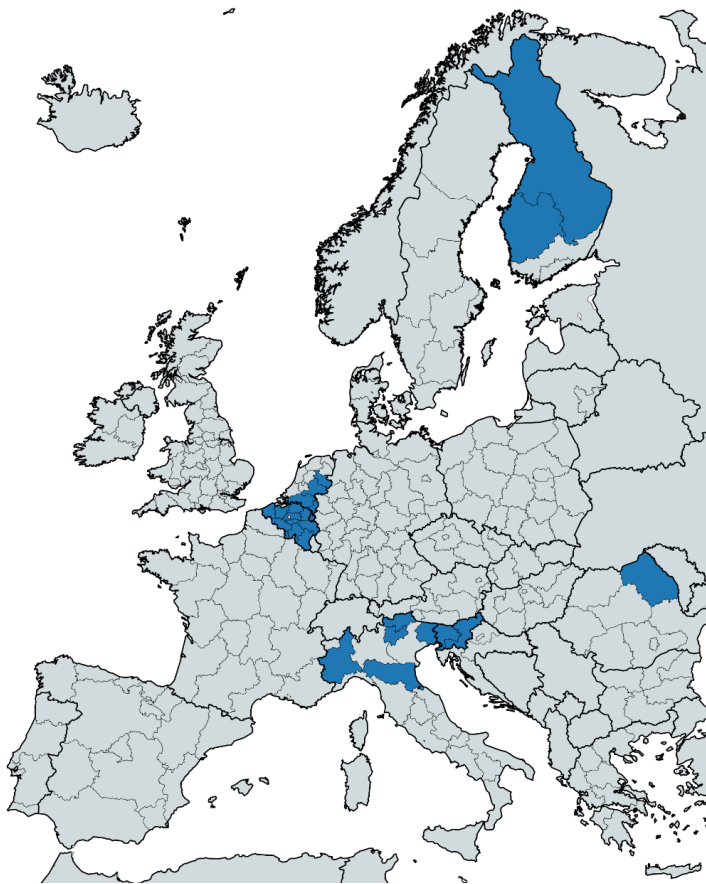
- Strengthen territorial cohesion, **place-based growth** and regional development
- Create a **networking framework** to collaborate and exchange of best practice
- Interconnect ecosystems to make them interoperable and compliant with common criteria
- **Stimulate excellence** and incentivize less developed ecosystems
- Better attract and retain talent in countries/regions.



SAPHIRe - Modular roadmap



Vanguard Initiative Smart Health



- Coordinating regions: Flanders, South NL, East NL
- 12 regions + EIT Health
- **Open for new regions**

Bring regional ecosystems together

Boost implementation of personalised medicine and smart health across Europe

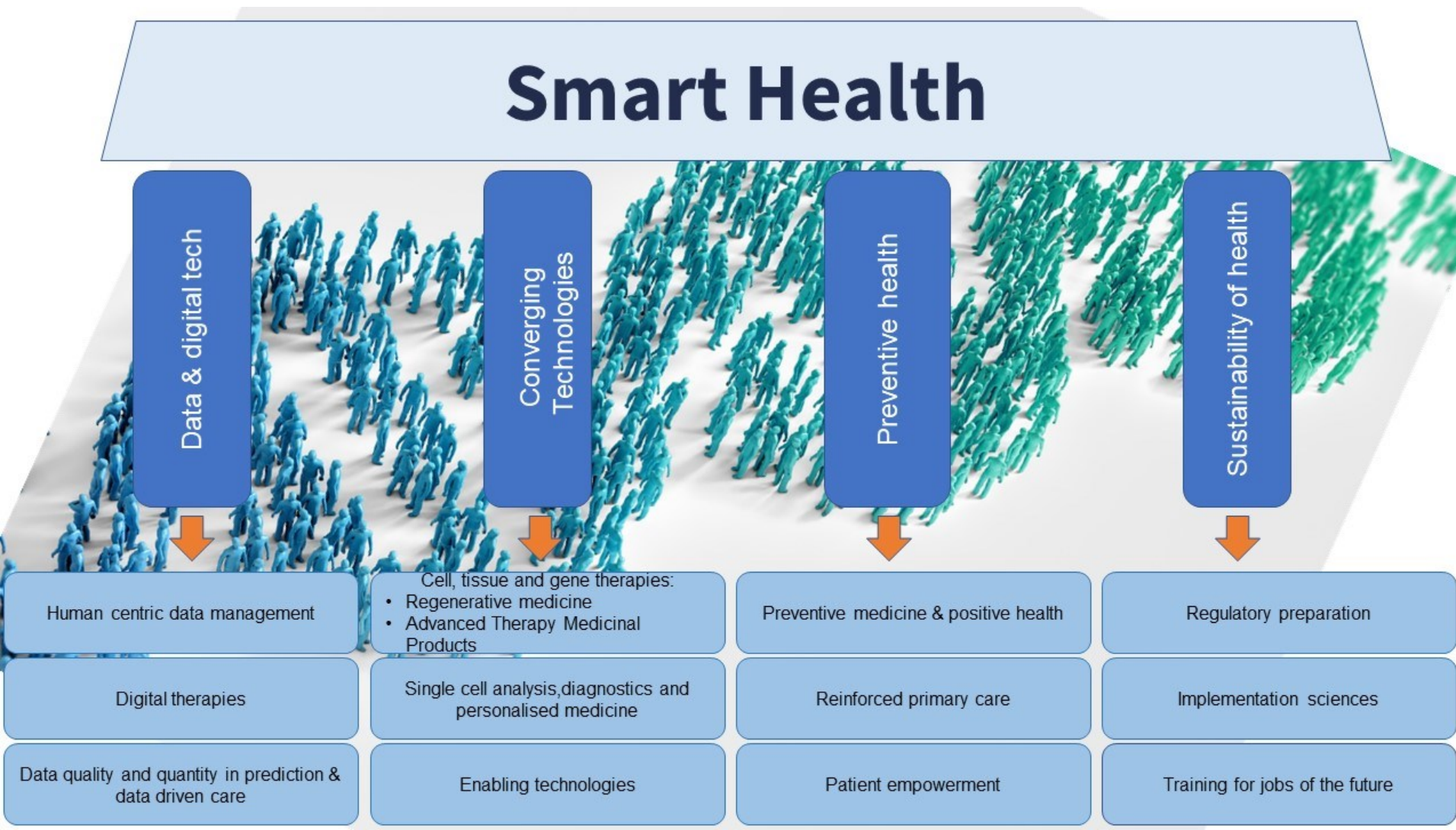
Investable interregional co-creation projects

More info on

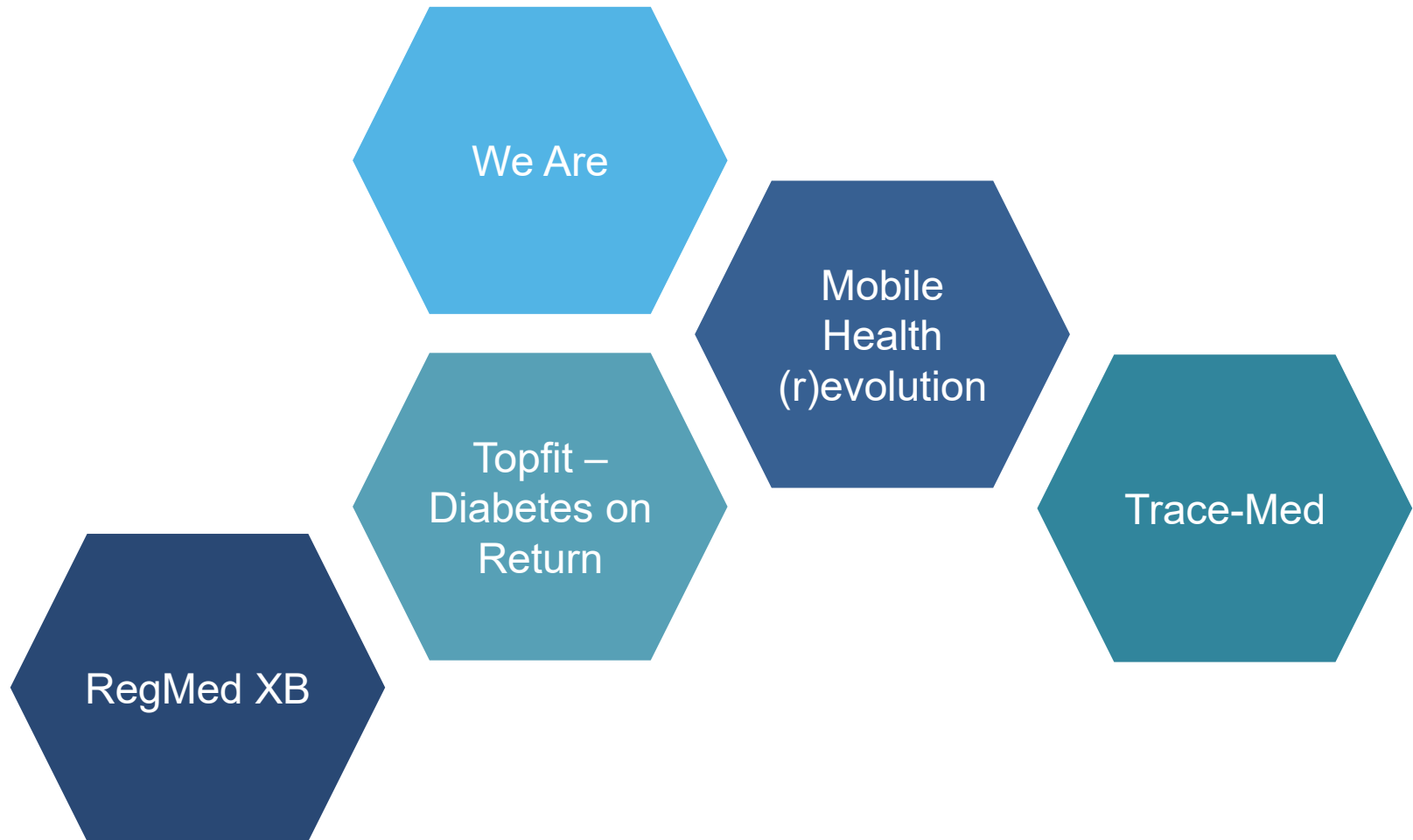
<https://www.s3vanguardinitiative.eu/pilots/smart-health>



VI Smart Health scope



Demo cases



Thank you

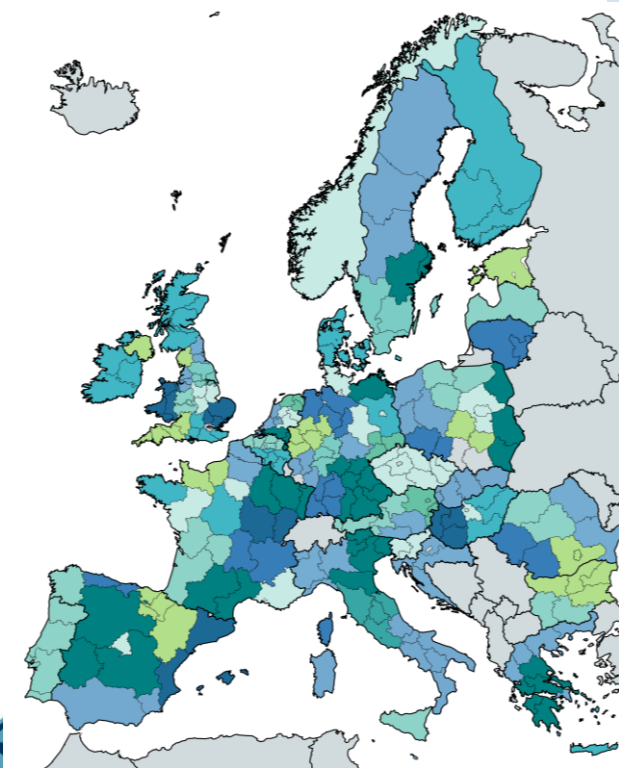
SAPHIRe website www.sapphire-eu.eu/
Survey <https://ec.europa.eu/eusurvey/runner/SAPHIRe>

www.linkedin.com/company/securing-adoption-of-personalised-health-in-regions/



European regions

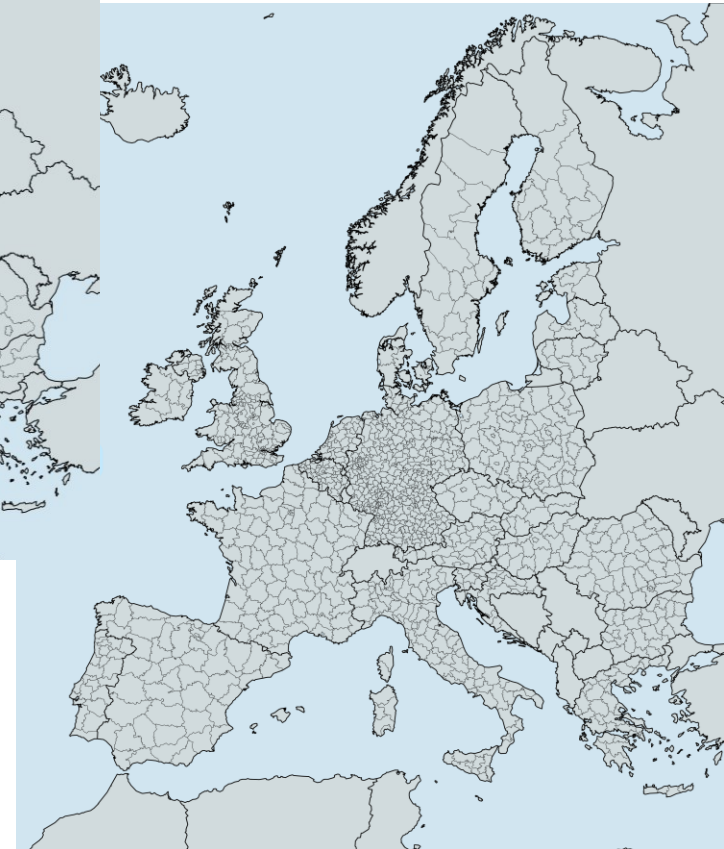
NUTS 1



NUTS 2



NUTS 3



From bench to bedside: Regional practices and strategies for innovation in personalised medicine



**From bench to bedside: Regional practices and strategies
for innovation in personalised medicine**

Personalised & Preventive health
Role of regions

