

Smart Specialisation Platform for Industrial Modernisation

Thematic S3 Partnership

S3 Partnership for the regional co-development, innovation and adoption of Personalised Medicine - translational needs (S3P4PM)

Start Date (30 May 2018)

MONITORING PROGRESS REPORT

Reporting Period: from January 2019 to June 2019

This Report is presented to the relevant Working/Steering Committee.
It contains two parts:

- I. Management Report prepared by the Lead Region(s)***
- II. Progress Report prepared by the Lead Region(s)***

The report is updated every six months.

Confidentiality: this document (part I) will be made available to the public via your Partnership's web page except for chapter *II.D. Self evaluation*.

Based on the monitoring results, the European Commission will decide on the following term's support.

Executive summary (max. 250 words):

The development of personalised medicine (PM), stratified or precision medicine is an evolution that cannot be stopped anymore. PM is strongly technological driven and will induce a transformation of how health and well-being are approached and medicine is being implemented. The convergence of knowledge on what determines health and disease or how the process of ageing is determined, with digital technologies and access to data opens a huge potential to develop new applications to improve general health, wellbeing, and will make preventive medicine reality. The sensitivity of new diagnostics, access to omics data and the acknowledgement that early detection is often crucial, is blurring the boundaries between health and disease. Chronic diseases, often linked to changes in general life styles and increasing of the average age of the population are putting the healthcare systems under increasing pressure. The development of PM will not only support the increase of healthy life years, it will also secure the sustainability of our healthcare systems.

The partnership was established to realise the potential of personalised medicine. This partnership will be complementary to the thematic platform on Medical Technologies and will bring the agenda to implement personalised medicine to the next level. .

I. Management Report prepared by the Thematic Platform/Lead Region(s)

I.A. Partnership Action Fact Sheet

- **Partnership:** *S3 Partnership for the regional co-development, innovation and adoption of Personalised Medicine – translational needs (S3P4PM)*
- **Partnership's web-page:** *<http://s3platform.jrc.ec.europa.eu/personalised-medicine>*
- **S3 Thematic Platform:** *Industrial Modernisation*
- **Objectives:** *Address translational needs to further PM across Europe and create added value and contribute to better health and wellbeing and the sustainability of health care systems*

- **Lead Region(s):** *list of regions/countries leading this partnership*

<i>Flanders (BE)</i>
<i>Limburg (NL)</i>
<i>East-Netherlands (NL)</i>

- **Official partner regions:** *list of regions/countries that have officially committed to follow this partnership and have been active in the last six months.*

<i>Slovenia</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Oulu (FI)</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Danish Capital Region (DK)</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Nord-Est (RO)</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Extremadura (ES)</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Piemonte (IT)</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Any other comments</i>		

- **Other regions:** *list of regions/countries that have expressed their interest in this partnership but have not signed a commitment letter).*

<i>Emilia-Romagna (IT).</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Please enter here...</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Please enter here...</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Please enter here...</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Please enter here...</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Please enter here...</i>	<i>Please enter here...</i>	<i>Please enter here...</i>
<i>Any other comments</i>		

- **Intentions to join:** *list any regional/national authorities*

Tuscany (IT)

Scotland (UK)

(Please list here all other regions that have expressed their interest to join the partnership)

- **Other participants (other than national/regional authorities):**
(Please list here all other (non-region) participants (clusters, institutes, RTOs, etc.))

<i>Flanders.bio (BE)</i>	<i>DSP-Valley (BE)</i>	<i>East Netherlands Development Agency (NL)</i>
<i>Janssen Pharmaceutica (BE)</i>	<i>Maastricht University (NL)</i>	<i>SIS-EGIZ (SLO)</i>
<i>VIB (BE)</i>	<i>Cluster Limburg Economy and Innovation (NL)</i>	<i>EIT Health</i>

VITO (BE)	Brightlands Maastricht Health	Campus (NL)
Any other comments		

<p>Representative of Lead Region 1: (name, institution, address, phone, e-mail) Kathleen D'Hondt Flemish Government – Department Economy, Science and Innovation Koning Albert II-laan 35 1030 Brussels Belgium Kathleen.dhondt@ewi.vlaanderen.be T +32 2 553 5771; M + 32 32 477 403 120 https://www.ewi-vlaanderen.be/</p>	<p>Representative of Lead Region 2 (if applicable): (name, institution, address, phone, e-mail) Dirk Plees Coordinator internationalisation cluster Economy and Innovation Post: Postbus 5700, 6202 MA Maastricht, The Netherlands Visit: Limburglaan 10 6229 GA Maastricht The Netherlands d.plees@prvlimburg.nl T +31 43 389 7664; M +31 6 52 6882 02 www.limburg.nl</p> <p>Representative of Lead Region 3 Karolien de Bruine EU Liaison Officer Laan van Malkenschoten 40 P.O. Box 1026 7301 BG Apeldoorn The Netherlands Karolien.deBruine@oostnl.nl T +31 (0)886670100; M +31 6 42470718 www.oostnl.nl</p>
<p>European Commission Coordinator: (name, e-mail) Please enter here...</p>	<p>Any other relevant information:</p> <p>European Commission Directorate-General for Regional and Urban Policy Unit G1 - Smart and Sustainable Growth</p> <p>BU-1 04/189 Avenue de Beaulieu, 1 B-1049 Brussels/Belgium Public entrance: Avenue de Beaulieu, 5</p> <p>Phone: +32.(0)2.29-58271</p>

1.B. Thematic Working Areas (WA)

• **Thematic Working Areas** (if any, please list of WAs, region(s) in charge of it, names and affiliations of involved regional/national authorities, and other actors)

<i>Working Area</i>	<i>Region in Charge</i>	<i>Involved regions</i>	<i>Other actors</i>
<i>Personal Data Management Platform</i>	<i>Flanders</i>	<i>Limburg, East-NL</i>	<i>EIT Health</i>
<i>Cell and genhub</i>	<i>Flanders</i>	<i>Limburg, East-NL</i>	<i>Other actors</i>
<i>Healthcare of the 21st century</i>	<i>East-NL</i>	<i>Flanders</i>	<i>Other actors</i>
<i>E-infrastructure for neurohealth</i>	<i>Limburg</i>	<i>Limburg, Flanders</i>	<i>Other actors</i>
<i>Jobs of the future: Limburg, in charge, interest from all other regions</i>			

I.C. Overview of past activities (past six months, the 1st half of 2019)

Past Meetings

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>4th partnership meeting</i>	<i>31st Januari 2019</i>	<i>Brussels</i>
<i>Please enter title here...</i>	<i>Please enter date here...</i>	<i>Please enter place here...</i>
<i>Please enter title here...</i>	<i>Please enter date here...</i>	<i>Please enter place here...</i>
<i>Any other comments</i>		

Past Workshops

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Please enter title here...</i>	<i>Please enter title here...</i>	<i>Please enter title here...</i>
<i>Please enter title here...</i>	<i>Please enter date here...</i>	<i>Please enter place here...</i>
<i>Any other comments</i>		

Past Dissemination Activities

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>SAPHIRE workshop</i>	<i>P12 & 13th March 2019</i>	<i>Brussels</i>
<i>Please enter title here...</i>	<i>Please enter date here...</i>	<i>Please enter place here...</i>
<i>Any other comments</i>		

I.C. Overview of future activities (the next 6 months – the 2nd half of 2019)**Future Meetings**

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>5th partnership meeting</i>	<i>5th June 2019</i>	<i>Brussels</i>
<i>EWRC 2019</i>	<i>7-10 October 2019</i>	<i>Brussels</i>
<i>Please enter title here...</i>	<i>Please enter date here...</i>	<i>Please enter place here...</i>
<i>Any other comments</i>		

Future Workshops

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Please enter title here...</i>	<i>Please enter title here...</i>	<i>Please enter title here...</i>
<i>Please enter title here...</i>	<i>Please enter date here...</i>	<i>Please enter place here...</i>
<i>Any other comments</i>		

Future Dissemination Activities

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Flanders S3P4PM mirror group</i>	<i>1st July 2019</i>	<i>Brussels</i>
<i>2nd SAPHIRE workshop</i>	<i>17th & 18th October</i>	<i>Belfast</i>
<i>Any other comments</i>		

II. Progress Report prepared by the Lead Region(s) of the partnership, describing **results achieved during this period**, in no more than 3 pages (the report is “cumulative”). All items listed in Sections A, B, and C, below, must be addressed.

Additional documentation such as extended technical reports and/or proceedings of workshops may be provided separately as an annex to this report (and should be referenced in the report).

II.A. Innovative results

- Innovative results and achievements that could be attributed to the Partnership. (Specific examples of Results vs. Objectives).

The Partnership is moving into a next phase where collaborations will be facilitated. An update of ongoing projects will be given by the involved partners during the 5th of June meeting

The Scoping paper is set, a final version of the mapping underway. The foundations for future collaborations are being identified.

Common focus areas are confirmed and are the basis of the scoping paper and mapping effort.

> *Cell and gen hub*

> *Preventive medicine*

> *Personal Data Management Platform*

> *e-infrastructure for neurohealth*

> *Skills and training needs*

- Tangible short- and medium-term socio-economic impacts achieved or expected. (Specific examples).

Not yet realistic to have tangible socio-economic impacts expected yet, other than the broad lines in the expression of interest, i.e. contribute to better health and wellbeing, sustainability of healthcare systems, preventive medicine.

II.B. Inter-regional and inter-partnership collaborative results

- Additional results obtained from working with other partnerships under the thematic S3 Platforms. (Specific examples).

Contacts are made with the S3 partnership on medical technologies and on Sport to identify complementarities and avoid overlap of the initiatives and align agendas.

Contacts with consortium around Tuscany, Catalonia, Andalusia, Estonia, Lithuania to discuss on possible partnering in a data project to align with the 1-million genomes project.

- Evaluation of the involvement of relevant business sector (clusters, SMEs, business associations, chambers of commerce, Digital Innovation Hubs (DIHs), etcetera) in the Partnership activities. (Specific examples)

The regional delegations represent different actors, including 3 cluster organisations (Flanders.bio, DSPValley, bioPmed Piedmonte), regional development agencies (Oost NL, Capital region DK, NE-RO) an open innovation community (Brightlands Maastricht Health Campus, a joint triple helix initiative and Slovenian Innovation hub (SIS), an industry ambassador (Janssen Pharmaceutica), SMEs interested (Anthleron); a regional representation offices (Extremadura, Oulu).

Representation from research institutions (VIB, VITO, Maastricht University). Since October 2018 also EIT Health is a partner in S3P4PM.

- Evaluation of whether **the level of inter-regional cooperation is sufficient** to potentially provide practical and relevant socio-economic impacts. (Specific examples)

The growth from 2 official partner regions to 6 highlights the high level of inter-regional cooperation that this partnership enjoys. Each region has shown an enthusiastic and strong drive to look over regional borders and find possible partnerships in an inter-regional context.

II.C. New activities

- Involvement of regions from EU13 Member States in the Partnership, in particular with respect to scoping, mapping and/or matchmaking. *In addition, justification should be provided if no EU13 regions are involved.*

Since Slovenia joined the partnership another EU 13 region, Nord-Est (RO) has joined the S3P4PM partnership. EIT Health, which has EIT Innostars under its umbrella, joined the partnership in October. EIT Innostars has as a main goal to reach out to EU-13 regions. In addition, a CSA on personalised medicine (Securing Adoption of Personalised Health in Regions - SAPHIRE) with EIT Innostars as partner has started on the 1st of December 2018. The CSA has as one of its objectives to reach out to 'remote and sparsely' populated regions, which we interpreted as the regions with less innovation power and includes EU-13 regions. As Flanders is coordinating SAPHIRE, we think that we can align the S3 strategy and the CSA goals.

- Involvement of regions/countries from outside of EU28 Countries. *(Number of participants from non-EU countries. Specify their contribution).*

Other regions may express interest when the partnership will be introduced to a broader audience at a later stage. Depending on possible alignment of priorities more regions/actors can join.

- Advancement and promotion of the Partnership through publications and other communication/outreach activities. *(Number of outreach activities that resulted from the Partnership. A complete list with references and web-links should be given in an annex).*
in progress

- Activities and projects with partnerships working under other S3 Thematic Platforms (*Agri-Food, Energy and Industrial Modernisation*).

Contacts have been made with S3 Sport and S3 Medtech under Industrial Modernisation. We also have contact with S3 Food under Agri-Food