

Smart Specialisation Platform for Industrial Modernisation

Thematic Partnership

MEDICAL TECHNOLOGIES

Start Date January 2017

MONITORING PROGRESS REPORT

Reporting Period: from June 2018 to December 2018

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

- I. Management Report prepared by the Lead Region(s)***
- II. Progress Report prepared by the Lead Region(s)***
- III. Previous versions of the Progress Report; i.e., part II of past reporting periods***

The report is a “cumulative” report, i.e. it is updated every six months and covers the entire period of the Partnership.

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

Based on the monitoring results, the European Commission will decide on the following year’s support.

Executive summary (max. 250 words):

Reconciling better health / healthy ageing with growth opportunities for healthcare industries (and most notably SMEs) is the main objective of the previous Vanguard project and subsequent Industry Driven Initiative ESTHER (Emerging and Strategic Technologies for Healthcare).

The Medtech thematic group started in May 2016 gathering Regions, RTOs and clusters in the frame of the ESTHER / VANGUARD initiatives. In December 2016, a scoping note was written and ESTHER partners applied on the S3 platform.

Auvergne- Rhône-Alpes Region is leading this Medtech partnership.

Since September 2017, the Medtech platform is supported by the RECONFIRM project to develop interregional projects, so called "investment protocols".

A first mapping of competencies has been driven in 2016, completed and consolidated by Reconfirm in 2017.

Reconfirm provides support to work on the animation of the partnership and help the group to define interregional innovative project / pilot definition and plan investments projects.

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

I.A. Partnership Action Fact Sheet

• **Partnership:** *MEDICAL TECHNOLOGIES*

- **Partnership's web-page:** *http://s3platform.jrc.ec.europa.eu/medical-technology*

• **S3 Thematic Platform:** *Industrial Modernisation*

- **Objectives:** *The main objective of the partnership is to boost investment and cooperation for facilitating, structuring and implementing strong European value chains in the field of Medical technologies. The aim is also to provide the best framework for designing projects and initiatives driven by industrials through collaborative inter-regional projects which could be supported at European, national and regional levels...*

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

<i>Auvergne-Rhône-Alpes (FRA)</i>
<i>Lombardy (ITA)</i>
<i>Any other comments</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>Baden-Wuerttemberg (GER)</i>	<i>Catalonia (ESP)</i>	<i>South Netherlands (NED)</i>
<i>East Netherlands (NED)</i>	<i>Flanders (BEL)</i>	<i>Region Sud / PACA (FRA)</i>
<i>South Denmark (DEN)</i>	<i>Copenhagen Region (DEN)</i>	<i>Piedmont (ITA)</i>
<i>Navarra (ESP)</i>	<i>Emilia-Romagna (ITA)</i>	<i>Tuscany (ITA)</i>
<i>Aragon (ESP)</i>	<i>Basque Country (ESP)</i>	<i>Slovenia (SLO)</i>
<i>Upper Silesia (POL)</i>	<i>Wallonia (BEL)</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>Styria (AUS)</i>	<i>South Transdanubia (HUN)</i>	<i>NRW (GER)</i>
<i>Grand Est (FRA)</i>	<i>Paris Region / IDF (FRA)</i>	<i>Helsinki Region (FIN)</i>
<i>Ireland (IRE)</i>		
<i>Regions that have expressed an interest, participated in meetings but not in the las 6 months</i>		

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

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

- Oslo (NOR)*
- Scotland (GBR)*

• **Other participants (other than national/regional authorities):**

(Please list here all other (non-region) participants (clusters, institutes, RTOs, etc.))

<i>Fondazione Regionale per la Ricerca Biomedica (Lombardy)</i>	<i>LyonBiopole (Auvergne-Rhône-Alpes)</i>	<i>CEA (Auvergne-Rhône-Alpes)</i>
<i>Campus Iberus (Aragon)</i>	<i>University of Navarra (Navarra)</i>	<i>IBEC (Catalonia)</i>

IMEC (Flanders)	FlandersBio (Flanders)	DSP Valley (Flanders)
BioWin (Wallonia)	Pôle MecaTech (Wallonia)	EuroBioMed (Sud Provence-Alpes-Côte d'Azur)
<p>BioIndustryPark (Piedmont)</p> <p>Steinbeis (Bade-Wuerttemberg)</p> <p>Bioregio STERN (Bade-Wuerttemberg)</p> <p>Alsace BioValley (Grand Est)</p> <p>CiMed (NordRhein Westfalia)</p> <p>Regional Agency (Eastern Netherland)</p> <p>Brainport Development (South Netherland)</p> <p>ASTER (Emilia - Romagna)</p> <p>Clust-ER Health (Emilia- Romagna)</p> <p>Agency for Entrepreneurship and development (Upper Silesia)</p> <p>ARAHEALTH (Aragon)</p>		

<p>Representative of Lead Region 1: (name, institution, address, phone, e-mail)</p> <p>Laurence Minne - Auvergne-Rhône-Alpes Region - Research and Innovation Department laurence.minne@auvergnerhonealpes.fr +33426736595</p> <p>Julien Balsen - Auvergne-Rhône-Alpes EU Office in Brussels julien.balsen@auvergnerhonealpes.fr +33426735418</p>	<p>Representative of Lead Region 2 (if applicable): (name, institution, address, phone, e-mail)</p> <p>Valentina Pinna Research, Innovation & Health - Lombardy Region Delegation to the EU valentina_pinna@regione.lombardia.it +32-02-518.76.05</p>
<p>European Commission Coordinator: (name, e-mail)</p> <p>Nikos Pantalos (DG GROW) Laurent De Mercey (DG REGIO)</p>	<p>Any other relevant information:</p> <p>Please enter here...</p>

I.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)

Working Area	Region in Charge	Involved regions	Other actors
Connected Health	East Netherlands Tuscany Emilia Romagna	Lombardia, Navarra, Auvergne Rhône-Alpes, South Netherlands	Other actors
Biomaterials and implants	Upper Silesia Provence-Alpes-Côte d'Azur	Navarra, Emilia-Romagna, Auvergne Rhône-Alpes, Catalonia	Other actors
Medical devices and imaging	South Netherlands Piedmont Auvergne-Rhône-Alpes	East Netherlands, Catalonia, Grand Est, Aragon, Emilia-Romagna, Lombardy, Provence-Alpes-Côte	Other actors

		<i>d'Azur</i>	
			<i>Other actors</i>
<i>Any other comments</i>			

I.C. Overview of past activities (past six months, the 2nd half of 2018)

Past Meetings

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Medtech Partnership plenary meeting</i>	<i>2 October 2018</i>	<i>Brussels</i>
<i>Medtech 4Europe plenary meeting</i>	<i>11-13 December 2018</i>	<i>Stuttgart</i>
<i>Any other comments</i>		

Past Workshops

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Webinar sessions for thematic areas</i>	<i>BioMaterials: 5 June 2018</i> <i>-Connected Health : 12 June 2018</i> <i>-Medical Devices : 15 June 2018</i>	<i>Web conference</i>
<i>Webinar sessions for investment protocols developments</i>	<i>Smart manufacturing (btw 07/18 & 12/18)</i> <i>EuroBioImaging (08/18)</i> <i>MedTech Innovation Hub (btw 07/18 & 12/18)</i> <i>Digital Health Hub (09/18)</i> <i>Healthcare 4.0 (btw 07/18 & 12/18)</i> <i>Flexible filling robots (08/18)</i> <i>Centre for Innovation (btw 07/18 & 12/18)</i> <i>3D printing (09/18)</i>	
<i>Workshop during European Week for Regions and Cities, Brussels, October 2018</i>		

Past Dissemination Activities

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>European Week for Regions and Cities</i>	<i>9 & 10 October 2018</i>	<i>Brussels</i>
<i>Industrial Modernisation Steering Committee</i>	<i>27 November 2018</i>	<i>Bilbao</i>
<i>Any other comments</i>		

I.C. Overview of future activities (the next 6 months – the 1st half of 2019)

Future Meetings

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Medtech partnership plenary meeting</i>	<i>January - February 2019</i>	<i>TBD</i>
<i>Any other comments</i>		

Future Workshops

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Cross IM partnerships workshop</i>	<i>TBD</i>	<i>TBD</i>
<i>Investment project development webinars & workshops</i>	<i>TBD</i>	<i>TBD</i>
<i>Any other comments</i>		

Future Dissemination Activities

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>TBD</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)

4 investment protocol projects have been proposed and 3 discussed on 02/10/18 :

- Smart Manufacturing virtual value network in med tech production (To build a multiregional virtual medtech smart manufacturing multifacilities and multi-technological value chain) (leader : Piedmont)
- Centre for biocompatibility assessments of biomaterials, medical devices and biobank (leader: Upper Silesia)
- Healthcare 4.0 (leader : Tuscany)
- Hub4AiM (leader : CEA, Auvergne-Rhône-Alpes)

Several other potential project ideas and co-developments were also discussed. Among which following projects:

2 COSME projects (ESCP) have been selected under the cap of MedTech partnership :

- S3MARTMED (leader Lyonbiopole, Auvergne-Rhône-Alpes)
- AI4Diag (leader EuroBiomed, Sud PACA)

Several MedTech-related European initiatives, among which:

- MedTech4Europe - INTERREG EUROPE Call 3 (AURA)
- SAPHIRE - CSA (Flanders)
- Magia (Piedmont)
- KETGATE - INTERREG Central (Upper Silesia)
- Smart_watch - INTERREG Central (Upper Silesia)
- ELISE - INTERREG Europe (Emilia-Romagna)
- Technological centres for industries - INTERREG POCTEFA (Navarra)

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

Structure regional innovation ecosystems in the medical technologies domain to develop interregional investments and reinforce the domain through Europe.

Too early to fulfill specific examples

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

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

Obtention of MedTech4Europe project in INTERREG Europe call last June 2017. The partnership is lead by Auvergne-Rhône-Alpes and gathers seven other regions of the partnership (Lombardy, Bade-Wurttemberg, South Netherlands, Upper Silesia, South Transdanubia, Copenhagen and Helsinki) and the CEA as advisory partner. The objective of this project is to improve the public policies (Structural funds and regional policies) in favour of RDI facilities to be more adapted to the specificities of the medtech domain.

Inter-partnership with Personalised Medicine partnership: Invitation of the Leader to the plenary meeting in October in Brussels and discussions upon potential collaborations. MedTech & Personalised Medicine partnerships plenaries took place near each other in time and place for facilitating interactions between partnership leaders. SAPHIRE - CSA will notably confer a framework for discussions between partners from

both partnerships.

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

The involvement of clusters is quite high as each Regions involved its own cluster(s) on health in the partnership (around 70 clusters according to the mapping realised). These stakeholders notably attend the meetings, webinars and workshops alongside the partnership developments regularly. These interactions are notably illustrated through the developments of initiatives within MedTech partnership collaborative framework (comon COSME & INTERREG projects). Regional development agencies are also involved in some regions, conferring a privileged entry point among regional authorities and regional businesses ecosystems.

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

Too early to provide sound assessment

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.*

Two regions in the partnership are part of EU13 : Upper Silesia (Poland) and South Transdanubia (Hungary). They are also part of INTERREG Europe Medtech4Europe partnership. They have provided a lot of contents in the mapping, as each of them have an interesting ecosystem on how to include SMEs in MedTechs sector. Upper Silesia co-lead a sub-areas.

An other country from EU13 is also interested to join the partnership : Slovenia is among the new partners

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

The Region of Oslo in Norway is also part of MedTech partnership. They provided interesting contents and assets in the mapping and participated actively in meetings.

- 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)*

None

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

Inter-partnership with CluSport to be established

Inter-partnership with 3D printing within the Vanguard initiative to be established

II.D. Your Partnership and the UN 2030 Sustainable Development Goals (SDGs)

The EU has a strong position when it comes to sustainable development and is also fully committed to be a frontrunner in implementing the UN's 2030 Agenda¹, together with its member countries and regions. Many interregional partnerships under the thematic S3 Platforms contribute strongly to the attainment of these 17 goals.

Please indicate to which Sustainable Development Goals and to what extent your thematic Partnership contributes?

Your Partnership and Sustainable Development Goals

Goals to which your partnership (can) contribute:	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Not applicable
Goal 1. End poverty in all its forms everywhere	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 2. End hunger , achieve food security and improved nutrition & promote sustainable agriculture	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 3. Ensure healthy lives & promote well-being for all at all ages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 5. Achieve gender equality & empower all women and girls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 6. Ensure availability and sustainable management of water and sanitation for all	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 8. Promote sustained, inclusive and sustainable economic growth , full and productive employment & decent work for all	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 9. Build resilient infrastructure , promote inclusive and sustainable industrialisation & foster innovation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 10. Reduce inequality within and among countries	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 11. Make cities & human settlements inclusive, safe, resilient and sustainable	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 12. Ensure sustainable consumption & production patterns	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 13. Take urgent action to combat climate change and its impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 14. Conserve and sustainably use the oceans, seas & marine resources for sustainable development	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems , sustainably manage forests , combat desertification , halt and reverse land degradation and halt biodiversity loss	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 16. Promote peaceful & inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 17. Strengthen the means of implementation and revitalise the Global Partnership for Sustainable Development	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

¹ The 2030 Agenda for Sustainable Development and its 17 Sustainable Development Goals (SDGs), adopted by the United Nations (UN) in September 2015, gave a new impetus to efforts to achieve sustainable development.