

Smart Specialisation Platform for Energy

Thematic Partnership

Marine Renewable Energy

Start Date (2014 (Vanguard))

MONITORING PROGRESS REPORT

Reporting Period: from June 2018 to December 2018

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)***

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):

The Marine Renewable Energy (MRE) Partnership was established to identify and solve key industrial challenges in the MRE sector. The Partnership, which is led by the Basque Country (ES) and Scotland (UK), currently comprises 16 Member States and regions. This Partnership is the continuation of a Vanguard initiative project and therefore, most participants have been working together on the topic since 2014. Currently, the partners have jointly identified 4 areas of interest: (1) Corrosion in marine renewable energy technologies, (2) Manufacturing large scale components for marine renewable energy technologies, (3) Sensing and remote monitoring of marine renewable energy and (4) Reducing costs of operation & maintenance. However, the development of the partnership still remains in the Learning and Connecting phases.

In terms of funding, the "Corrosion in marine renewable energy technologies" identified area of interest has received funding from the EMFF for the 2017-2019 period. On top of this, the partnership will receive up to 200 000€ from DG REGIO in 2018 after having been selected in the Call for Pilot Actions on "interregional innovation partnerships".

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

I.A. Partnership Action Fact Sheet

- **Partnership:** *Marine Renewable Energy*
- **Partnership's web-page:** *http://s3platform.jrc.ec.europa.eu/marine-renewable-energy*

• **S3 Thematic Platform:** *Energy*

• **Objectives:** *The S3 interregional partnership in MRE aims to pool regional resources and expertise in order to create new business opportunities and increased growth for the MRE sector, with a focus on identifying and solving the key industrial challenges of the sector, in areas such as:*

- *Manufacturing of large components;*
- *Power transfer and conversion;*
- *Corrosion in water;*
- *Sensing, instrumentation and monitoring;*
- *O&M optimisation; and*
- *Testing and demonstration in real environments.*

The partnership is centred on the following technologies: offshore wind energy, including floating and fixed tidal energy as well as wave energy.

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

<i>Basque Country (ES)</i>
<i>Scotland (UK)</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>Flanders (BE)</i>	<i>Southern Denmark (DK)</i>	<i>Andalusia (ES)</i>
<i>Asturias (ES)</i>	<i>Navarra (ES)</i>	<i>Emilia-Romagna (IT)</i>
<i>Lombardy (IT)</i>	<i>Norte (PT)</i>	<i>Ostrobothnia (FI)</i>
<i>Dalarna (SE)</i>	<i>Skåne (SE)</i>	<i>Brittany (FR)</i>
<i>Cornwall and Isles of Scilly (UK)</i>	<i>Sogn and Fjordane (NO)</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>Any other comments</i>		

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

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Any other comments		

<p>Representative of Lead Region 1: (name, institution, address, phone, e-mail) Cristina OYÓN, Basque country, Head of strategic initiatives, SPRI cristina@spri.eus</p>	<p>Representative of Lead Region 2 (if applicable): (name, institution, address, phone, e-mail) Charles ABBOTT, Scottish Enterprise (delegation in Brussels: Scotland Europa) Charles.Abbott@scotent.co.uk</p>
<p>European Commission Coordinator: (name, e-mail) Isabelle SEIGNEUR, Directorate B, Growth and Innovation. Unit 3, Territorial Development. S3PEnergy Isabelle.Seigneur@ec.europa.eu</p>	<p>Any other relevant information: 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
Manufacturing and handling of large size components	Region in Charge	Other involved regions	Other actors
Sensing and remote monitoring	Region in Charge	Other involved regions	Other actors
Identify and test the best available technologies to reduce the operation and maintenance costs of offshore energy infrastructure	Region in Charge	Other involved regions	Other actors
Insert Working Area...	Region in Charge	Other involved regions	Other actors
Any other comments			

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

Past Meetings

Title	Date	Place
Bilbao - S3 Thematic Platform Days – MRE working meeting	28/11/2018	Bilbao
Any other comments		

Past Workshops

Title	Date	Place
Please enter title here...		

<i>Any other comments</i>		

Past Dissemination Activities

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Bilbao - S3 Thematic Platforms Days</i>	<i>26-28.11.2018</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>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>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 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>		

Future Dissemination Activities

<i>Title</i>	<i>Date</i>	<i>Place</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>		

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 has been successful in securing funding by EMFF for the 2017-2019 period for one of the demonstration cases it had identified: corrosion in marine renewable technologies.

For the remaining identified demo cases, partnership activity is still restricted to the learning and connecting phases and, therefore, it is too early to attribute any achievements.

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

Given none of the existing demo cases or the potential demo cases identified by members have entered the execution phases, there are no tangible results of the impact the partnership's activity could have.

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

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

Much of the inter-partnership collaboration of the Marine Renewable Energy partnership has taken place within the S3PEnergy in the form of S3PEnergy platform joint organised activity such as joint workshops, meetings and working groups. From these sessions, partnerships have been able to exchange their experiences and the challenges they have faced developing S3 energy projects and this has enabled them to learn from each other. For example, during the S3PEnergy Joint Partnerships Meeting of the 28th of November in Bilbao, leaders from all platforms shared with other leaders and partners their experiences on topics such as: raising funding to finance partnership activity, maintaining regional support and commitment from partners, introducing a global value chain thinking approach to partnership activity focused on local energy solutions, linking partnerships to clusters etc.

Moreover, during the S3 Thematic Platform Days in Bilbao, the Partnership interacted with partnerships from the other two Thematic Platforms of Agri-Food and Industrial Modernisation. During the Joint Event, the partnership benefited from joint discussions on topics such as: how to use partnerships as a tool to upscale activities beyond regional borders and access new markets, the challenges involved in engaging businesses in thematic platforms and the future support from the Commission to S3 Thematic Platforms.

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

There is significant involvement from the industrial sector. Further information must be provided by partners.

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

So far, the partnership and all pilot developments within it remain in the first two phases of learn and connect. At this stage of development of the partnership, socio-economic impact could result from exchanges of best practices, where regions learn from projects successfully implemented in other partner regions.

Evaluation of whether the level of interregional cooperation in the partnership is sufficient for to be socio-economically impactful cannot take place until the partnership activity enters the Demonstrate, Scale-up and Commercialise phases.

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.*

No regions belonging to EU13 Member States are part of the partnership. Since this partnership is the continuation of a Vanguard Initiative project, most participants have been working together since 2014.

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

None

- 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)

Further information must be provided by partners.

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

The S3PEnergy Marine Renewable Energy partnership was involved in joint activities with the other S3 Thematic Platforms of Agri-Food and Industrial Modernisation during the S3 Thematic Platform Days in Bilbao (26-28th November). The partnership had representatives participating in panels during the S3 Energy meeting and the joint thematic platform event.

Similarly, there is potential to coordinate activities with Industrial Modernisation "Advanced Manufacturing for Energy Applications" partnership, since it was also born out of the VANGUARD initiative, its composed of the same partners and one of its central areas of focus is "ocean energy".

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Goal 2. End hunger , achieve food security and improved nutrition & promote sustainable agriculture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Goal 3. Ensure healthy lives & promote well-being for all at all ages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Goal 5. Achieve gender equality & empower all women and girls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Goal 11. Make cities & human settlements inclusive, safe, resilient and sustainable	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Goal 17. Strengthen the means of implementation and revitalise the Global Partnership for Sustainable Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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.