

# Smart Specialisation Platform for Energy

## Thematic Partnership

*Bioenergy*

Start Date (2016)

## 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):**

*Bioenergy is a common priority of smart specialisation for several regions across the EU. Accordingly, in 2016 the smart specialisation platform on energy has supported the creation of an interregional partnership for bioenergy and smart specialisation which is currently working in four priority areas: biofuels, biomass, biogas and knowledge transfer.*

*This bioenergy partnership is led by the regions of Lapland (FI) and Castile and Leon (ES) and engages the participation of other 20 regions committed to being frontrunners in developing forest-based as well as non-food agriculture-based bioenergy as the basis for sustainable regional growth. In line with the EU goals, bio-energy represents about two-thirds of the renewable energy production in the European Union and is one of the main energy sources contributing to fulfil the 20% objective with renewables for 2020.*

*With this interregional partnership initiative, participant regions are already meeting and expect to develop common ground for cooperation through the common elaboration of steps such as mapping, pilot activities and joint investments based on decentralized renewable solutions (e.g. wood chip or biogas CHP plants) second generation biofuels, produced mainly from lignocellulose biomass, residues or waste.*

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

### I.A. Partnership Action Fact Sheet

- **Partnership:** *Bioenergy*

- **Partnership's web-page:** <http://s3platform.jrc.ec.europa.eu/bioenergy>

- **S3 Thematic Platform:** *Energy*

**Objectives:**

- *The Interregional partnership for smart specialisation in bioenergy has been created as a way to develop common ground for cooperation, based on innovative applications for decentralized renewable solutions (e.g. wood chip or biogas CHP plants) second generation biofuels, produced mainly from lignocellulose biomass, residues or waste.*
- *The bioenergy S3 partnership offers interactive and participatory arenas for interregional cooperation along regions and MS who selected bioenergy related areas as a priority in their RIS3 strategies. Among the different interesting thematic areas in bioenergy, biofuels, heating and cooling, knowledge transfer and electricity production from forestry power plants have been identified as specific working lines.*
- *Furthermore, the bioenergy S3 Partnership is aligned with the Energy Union R&D and competitiveness priorities and promotes the energy related TO1 (Research and innovation), TO4 (Low carbon economy) and TO7 (Sustainable transport), together with the commitment to the Set Plan 10 key actions.*

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

<i>Lapland (FI)</i>
<i>Castile and Leon (ES)</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>East Slovenia (SI)</i>	<i>Kainuu (FI)</i>	<i>Asturias (ES)</i>
<i>North Karelia (FI)</i>	<i>Centru (RO)</i>	<i>South Ostrobothnia (FI)</i>
<i>North-West Croatia (HR)</i>	<i>Central Finland (FI)</i>	<i>Algarve (PT)</i>
<i>Western Macedonia (EL)</i>	<i>Catalonia (ES)</i>	<i>Grand Est (FR)</i>
<i>Normandy (FR)</i>	<i>South Tyrol (IT)</i>	<i>North Jutland (Nordjylland) (DK)</i>
<i>Extremadura (ES)</i>	<i>North Great Plain (Észak-Alföld) (HU)</i>	<i>Weser-Ems (DE)</i>
<i>Valencian Community (ES)</i>	<i>South-Estonia (EE)</i>	

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

<i>Trento Autonomous Province (IT)</i>	<i>Opolskie (PL)</i>	<i>Podlaskie (PL)</i>
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<i>Pomorskie (PL)</i>	<i>Slaskie (PL)</i>	<i>North-East Romania (RO)</i>
<i>Slovakia (SK)</i>	<i>East Sweden (Östergötland)</i>	<i>Region Värmland (SE)</i>
<i>Västerbotten (SE)</i>	<i>Cornwall and Isles of Scilly (UK).</i>	<i>Please enter here...</i>
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<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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<i>Any other comments</i>		

<p><b>Representative of Lead Region 1:</b> (name, institution, address, phone, e-mail) <i>Ilari HAVUKAINEN, Cluster Development Manager, Arctic Smartness Clusters and Smart Specialisation, Regional Council of Lapland</i> <i>Ilari.Havukainen@Lapinliitto.Fi</i></p>	<p><b>Representative of Lead Region 2</b> (if applicable): (name, institution, address, phone, e-mail) <i>M<sup>a</sup> Puy DOMÍNGUEZ PÉREZ, EREN Regional Energy Agency of Castilla y León</i> <i>DomPerMi@jcyl.es</i></p>
<p><b>European Commission Coordinator:</b> (name, e-mail) <i>Javier GOMEZ, Directorate B, Growth and Innovation. Unit 3, Territorial Development. Smart Specialisation Platform on Energy (S3PEnergy)</i> <i>javier.gomez@ec.europa.eu</i></p>	<p><i>Any other relevant information:</i> <i>Please enter here...</i></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)

<i>Working Area</i>	<i>Region in Charge</i>	<i>Involved regions</i>	<i>Other actors</i>
<i>Implementation of rural and small-scale biomass installations .</i>	<i>Castile and Leon, North Karelia and Centru Region</i>	<i>Lapland, East Slovenia, Central Finland, Northeast Romania, Highland council, Asturias,</i>	<i>Other actors</i>

		<i>RNAE, Norte Alentejo, Varmland, South Ostrobothnia, Western Macedonia</i>	
<i>Added value of biogas installations</i>	<i>Kainu Region and Central Finland</i>	<i>Lapland, East Slovenia, North-east Romania, North Karelia, Highland council, Asturias, RNAE, Varmland, Western Macedonia</i>	<i>Other actors</i>
<i>Small scale generation of electricity by using pellets and wood chips (and straw).</i>	<i>North Karelia</i>	<i>East Slovenia, Highland council, Norte Alentejo, RNAE, Asturias, RNAE, Kainu, Varmland, Western Macedonia</i>	<i>Other actors</i>
<i>Development of a forest management model.</i>	<i>?</i>	<i>Castilla y Leon, Central Finland, Centru Region, North Karelia, RNAE, Norte Alentejo, Varmland, Western Macedonia</i>	<i>Other actors</i>
<i>Any other comments</i>			

**I.C. Overview of past activities (past six months, the 2<sup>nd</sup> half of 2018)**

**Past Meetings**

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Kick-off meeting of the Interreg Europe project APPROVE</i>	<i>22-23.10.2018</i>	<i>Rovaniemi, Lapland, Finland</i>
<i>EUSEW 2018, working meeting on bioenergy partnership,</i>	<i>6.6.2018</i>	<i>Brussels.</i>
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<i>Any other comments</i>		

**Past Workshops**

<i>Title</i>	<i>Date</i>	<i>Place</i>
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<i>Any other comments</i>		

**Past Dissemination Activities**

<i>Title</i>	<i>Date</i>	<i>Place</i>
<i>Bilbao - S3 Thematic Platform Days</i>	<i>27-28.11.2018</i>	<i>Bilbao</i>
<i>S3P introduction in the Innovact closing meeting in Guatemala</i>	<i>13-14.11.2018</i>	<i>Guatemala</i>
<i>EWRC 2018 S3PEnergy Presentation</i>	<i>10.10.2018</i>	<i>Brussels</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>APPROVE visit to Epirus, joint S3 meeting.</i>	<i>April 2019.</i>	<i>Ionnina, Epirus, Greece.</i>
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<i>Any other comments</i>		

**Future Workshops**

<i>Title</i>	<i>Date</i>	<i>Place</i>
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<i>Any other comments</i>		

**Future Dissemination Activities**

<i>Title</i>	<i>Date</i>	<i>Place</i>
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<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)
  - consolidation of phases 1 and 2 of cooperation methodology: learning and connecting,
  - identification of 5 demo cases to develop joint projects,
  - elaboration of 1 project proposal for Interreg Europe, followed by grant approval,
  - another proposal for H2020 LC-SC3-RES-28, deadline 11<sup>th</sup> of December 2018.
- Tangible short- and medium-term socio-economic impacts achieved or expected. (Specific examples)
  - Expected socio-economic concrete impacts in the running of pilot activities and concretisation in phases of commercialisation and scaling-up.

### 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 Bioenergy 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)

Cluster in Lapland, Arctic Smart Rural Community cluster: 30 companies. Clube, bioenergy/bioeconomy cluster in Western Macedonia, Greece. Active participation for both when picking data and preparing H2020 proposal. Avebiom, the Spanish Bioenergy Association



participated in the APPROVE S3P workshop & meeting in Rovaniemi (Lapland) on 22-23 November 2018.

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

*Evaluation of whether the level of interregional cooperation in the partnership is sufficient for to be socioeconomically 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.*

*EU13 regions involved in the partnership are: North-East Romania (RO) and Slovenia (SI). A functioning demo plant case from Slovenia designed to produce bio- and waste-refined fuels will be included in the H2020 proposal, following a meeting with Slovenian stakeholders during the Bilbao S3 Thematic Platform days.*

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

- 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)

*S3Pbioenergy partnership was introduced during the Innovact closing meeting in Guatemala on 13-14 November 2018.*

*Guatemala is an open door for bioenergy new planning also to Central America and Mexico.*

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

*The S3PEnergy Bioenergy 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.*

## 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 Agenda<sup>1</sup>, 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. <b>End poverty</b> 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. <b>End hunger</b> , achieve <b>food security</b> and improved <b>nutrition</b> & promote <b>sustainable</b> agriculture	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 3. Ensure <b>healthy lives</b> & promote <b>well-being</b> for all at all ages	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 5. Achieve <b>gender equality</b> & empower all women and girls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 6. Ensure availability and sustainable management of <b>water and sanitation</b> for all	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 7. Ensure access to <b>affordable, reliable, sustainable and modern energy for all</b>	<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 <b>economic growth</b> , full and productive <b>employment</b> & decent <b>work for all</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 9. Build resilient <b>infrastructure</b> , promote inclusive and sustainable <b>industrialisation</b> & foster <b>innovation</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 10. Reduce <b>inequality</b> 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 <b>cities</b> & 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 <b>consumption &amp; production patterns</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 13. Take urgent action to combat <b>climate change</b> and its <b>impacts</b>	<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 <b>oceans, seas &amp; marine</b> 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 <b>terrestrial ecosystems</b> , sustainably manage <b>forests</b> , combat <b>desertification</b> , halt and reverse land degradation and halt biodiversity loss	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goal 16. Promote <b>peaceful &amp; inclusive societies</b> 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 <b>Global Partnership for Sustainable Development</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<sup>1</sup> 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.