



Horizon2020 Information Days on Public-Private Partnerships

Brokerage event
14 October 2016



VISION

STRANE INNOVATION

ALEXANDRE.BREDIMAS@STRANE-INNOVATION.COM

COMPANY

- Startup factory
- Specialised in sustainable development sectors
- 3 ongoing H2020 projects
- WPL on Business research and exploitation
 - Creation of project spinoffs
 - Research on complex business models
- Valuable profile for project consortium
 - Key words: startups, innovation, sustainable development, SME
 - Commercial partner
 - Business research
 - User / client oriented, support to design solutions
 - In proposal phase: develop a business case

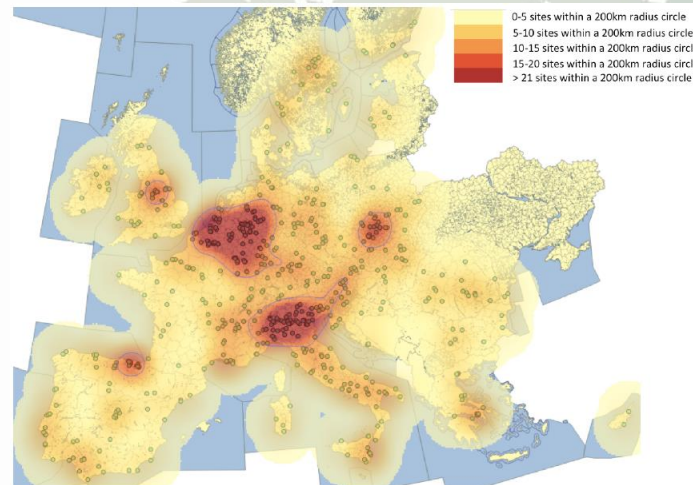


PROJECT IDEA

SPIRE-13: Potential of industrial symbiosis in Europe (CSA)

Starting point

- Ongoing EPOS Project (SPIRE-06-2015) on Industrial symbiosis
- Strane's PhD thesis on the business case of industrial symbiosis
- Strane's initial results in EPOS
 - Geolocalised mapping of industrial sites in Europe + distance statistics
 - Systematic method to identify cross-sector synergies
 - Pre-economic assessment of a selection of synergies
 - *Valorisation of physical flows, mutualisation, district heating*
 - Value chain approach to setting up industrial synergies
 - Matchmaking concept
 - Geographic scales
- Ultimate outcome (2019)
 - Business case of IS
 - Policy recommendations



PROJECT IDEA

SPIRE-13: Potential of industrial symbiosis in Europe (CSA)

Our objectives: Replicate, Complement, Extrapolate

- “Concrete pathways to facilitate and coordinate implementation of synergies”
- “Incentives for the industry”
- “Implications at different levels”: Business models for individual entities, territories, public authorities, financial institutions...
- “Standardisation of methods for quantification of IS benefits”
- “Consider investment needs”
- “Management”
- “Identification and mapping of the potential for industrial symbiosis”

Concept

- Develop societal growth in complement to economic / monetary growth
- Avoid regulatory burden, develop incentives in relation to territory benefits
- Create a community vision of IS and its benefits for the European industry
- Make it concrete with real figures and data

PROJECT IDEA

SPIRE-13: Potential of industrial symbiosis in Europe (CSA)

Expected results & impacts

- Money to set up industrial synergies
 - Innovative incentive schemes
 - Innovative business models
 - Support to set up industrial synergies
 - Long-list of IS relevant technologies
 - Quantify social, economic and environmental benefits
 - Matchmaking solution
 - Clustering approach
- ✓ Fundamentally cross-sectorial
- ✓ Resource efficiency: *use more, longer, share, repair, exchange, retreat, recycle...*

Consortium under development

OTHER TOPICS OF INTEREST

SPIRE-08: CO₂ utilisation to produce added value chemicals

- Look at “market specifications” (strand 4)
- Assess the “economic feasibility and impact” (strand 5)
- Assess the “market potential” (strand 5)
- Assess the “benefit on the European competitiveness” (strand 5)
- Create project spinoffs

SPIRE-10: New electrochemical solutions for industrial processing

- Assess economic aspects
- Develop business models
- Create project spinoffs

Partner: St Andrews University (UK) with technology TRL 4 in CO₂ electrolysis, NH₃ production from air. Can develop prototype TRL 6 at kW scale.

CONTACT DETAILS

Alexandre Bredimas

CEO

Alexandre.bredimas@strane-innovation.com

Mob: +33 6 80 38 08 61

Stéphane Ogé

PhD student Business case of Industrial symbiosis

Stephane.oge@strane-innovation.com

Mob: +33 6 28 96 17 91

