SHAREBOX - Public Policies creating barriers to the Circular Economy/Policies to improve incentives for Circular Economy in Europe

Project:
Secure Management Platform for Shared Process Resources

Resource efficiency offers a major economic opportunities for the European Process Industry, both in terms of cost savings as well as opportunities to offer greener products and services. Industrial Symbiosis (IS) is the use by one company or sector of by-products, including energy, water, logistics and materials, from another. The approach that underpins SHAREBOX centres on logical work flow that covers from the identification of new symbiotic synergies right through optimised connections among companies and organisations in established symbiotic relationships. SHAREBOX provides plant operations and production managers with the robust and reliable information that they need in real-time in order to effectively and confidently share resources (plant, energy, water, residues and recycled materials) with other companies in an optimum symbiotic ecosystem. The objetive of SHAREBOX project is to develop and bring to market a secure platform for the flexible management of shared process resources with intelligent decision support tools. To provide plant operations and production managers with the robust and reliable real-time needed to optimise symbiotic connections (plant, energy, water, residues and recycled materials) with other companies in a symbiotic ecosystem. In order to overcome the limitations in current Industrial Symbiosis delivery and ICT tools for IS facilitation, a number of key innovations are being brought to the SHAREBOX development that yield a world first ICT platform technology that holds the potential to be a major catalyst for increased Industrial Symbiosis (IS) among process industries and for enabling cross-sectoral interactions.

Project website: http://sharebox-project.eu/ This project has received funding from the European Union's Horizon 2020 research and Innovation programme under grant agreement No **680843**

Image not found or type unknown

Sector:

Cement

Image not found or type unknown

Ceramics

found or type unknown

Chemicals

found or type unknown

Engineering

found or type unknown

Minerals

found or type unknown

Non-ferrous metails

found or type unknown

Steel

Summary:

The Council of the European Union has adoptedin June 2016 the following Conclusion on the action plan for a circular economy:“CONSIDERS the active involvement of the private sector and other stakeholders across Europe and at the global level a key element for a successful and more effective transition towards a Circular Economy; ENCOURAGES the EU and the Member States, at all levels of government, to actively engage the private sector to promote cooperation, innovation and industrial symbiosis projectswithin and across sectors and value chains; including by addressing specific challenges in the transition to the Circular Economy, through agreements between stakeholders in society and governments.”

Theme:
Energy and resource management systems - SPIRE-06-2015
Keywords:
Industrial Symbiosis, Resource efficiency, Management, ICT, Mathematical tools, Intelligent tools, Platform, User interface, Data entry, Security, Anonymity, Tracking, Material Flow, Industry, Software, Optimization, Relationships, Network, Connection, Sustainability, Environment, Compatibility
Type:
Education/training materials
Document
Rights:

Open Access

Resources

Upload Files:

ictbcag.pdf
Link:
SHAREBOX website
SHAREBOX video
Contact Name:
Georgios Chalkias
Email:
gchalkias@iris.cat