



Final Conference

# **Boosting Eco-Innovation through Cooperation in Research and Development**

**17<sup>th</sup> and 18<sup>th</sup> September, 2014**

**Eigtveds Pakhus, Copenhagen,  
Denmark**



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**ECO-INNOVERA**

Final Conference

## **Boosting Eco-Innovation through Cooperation in Research and Development**

**17<sup>th</sup> and 18<sup>th</sup> September, 2014**

**Eigtveds Pakhus, Copenhagen, Denmark**

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## Agenda Wednesday September 17<sup>th</sup>

13:00 **ARRIVAL AND REGISTRATION OF PARTICIPANTS**

13:30 **SESSION 1 – FRAMING THE INNOVATION CHALLENGE**

**Opening and welcome**

*Peter Woodward, conference moderator (UK)*

**Welcome to Denmark and Copenhagen, European Green Capital 2014**

*Danish EPA (DK)*

**European Commission – Eco-Innovation visions for the future**

*Luisa Prista, European Commission DG-R&I*

**Introduction to the ECO-INNOVERA project**

*Evelyn Echeverría, coordinator ECO-INNOVERA, PtJ (DE)*

14:10 **SESSION 2 – LEARNING FOR EFFECTIVE ECO-INNOVATION**

**Systemic innovation at the heart of the ECO-INNOVERA approach**

*Richard Miller, ECO-INNOVERA Strategic Research Agenda (UK)*

**Working Tables Discussion**

*Dominique Darmendrail, ECO-INNOVERA Joint Research Agenda (FR)*

**Participants choose three table presentations, each 30 minutes, to discuss innovative action research projects funded through ECO-INNOVERA.**

**Twelve tables, topics include (see table on right side):**

- *Funded projects on Eco-Innovation*
- *ECO-INNOVERA Strategy for Systemic Eco-Innovation*

15:10 **NETWORK BREAK WITH POSTER EXHIBITION ON ECO-INNOVATION**

*Continuing Table Sessions*

16:45 **PATHWAYS TO EFFECTIVE RESEARCH ACTION TO DELIVER ECO-INNOVATION**

**Panel and participant discussion:**

*Richard Miller, TSB (UK)*

*Franjo Cecelja, University of Surrey (UK) (to be confirmed)*

*Thomas Heim, Hochschule für Technik FHNW (CH)*

*Michal Miedzinski, Technopolis Group (BE)*

*Frank Boons, EUR (NL)*

17:40 **GUIDED INNOVATION TOUR OF THE EUROPEAN GREEN CAPITAL 2014**

**Copenhagen harbour by eco-boat, including refreshments**

*Municipality of Copenhagen*

21:00 **RETURN TO NYHAVN / CITY CENTRE COPENHAGEN**

## Details Wednesday September 17<sup>th</sup>

### SESSION 2 – LEARNING FOR EFFECTIVE ECO-INNOVATION

#### Working Tables Discussion

The tables' session will focus on how eco-innovation projects contribute to the systemic innovation approach. Sharing experiences and overcoming barriers.

There will be three rounds in which you can choose at which table you want to participate. To assure an evenly distributed participation at each table, please choose a slip of paper for each table and round beforehand.

Table & Project	Topic	Moderator
1 SHIFT	Findings for more effective support systems for sustainable entrepreneurship and green start ups	Klaus Fichter / Borderstep Institut
2 ECOBIM	Developing LCA based Building Information Modelling for innovative SMEs	Carmen Antuña / VTT
3 EASY	Developing decision tools for energy-efficient part supply of assembly lines	Cyril Briand / LAAS-CNRS
4 SUWAS	Developing a business model for adopting waste ink recycling system in the flexographic printing industry	Moon Jung Kang / KIST Europe
5 IPTOSS	Developing new technologies for extracting value compounds from brewer's spent grain	Katariina Kemppainen / VTT Technical Research Centre of Finland
6 VALUTRACT	Assessing no-solvent process for extracting value compounds from grape by-products	Martine Mietton Peuchot / Université de Bordeaux - ISVV
7 ECO LEAN	Low cost production process for sustainable resource usage	NN / Fraunhofer IPA
8 SMC-EXCEL	Enhancing the eco-sustainability of consumer electronics (using the example of TV sets) by shifting from mass production towards mass customization meeting individual users' demands	Frank T. Piller / RWTH Aachen University
9 BIOSCREEN	Sunscreens and blinds from bio-based materials while maintaining the mechanical properties and expected lifetime of the product	Pascal Scheldeman / Calcutta n.v.
10 ECOPANEL	Introduction of 100% renewable composites for construction applications like exterior cladding and interior partition systems	Hans Hoydonckx / Transfurans Chemicals
11 EDF-HVC	Up-scaling and integration of ElectroDynamic Fragmentation Technology into the existing recycling technology machinery of particular waste streams	Martin Streicher-Porte / University of Applied Sciences and Arts North-western Switzerland
12 SPROUT	Developing design specifications and constructing a prototype of a modular unit that converts organic waste into insect-based animal feed	Björn Vinneras / Swedish University of Agricultural Sciences
13 STRATEGY	Systemic Eco-Innovation – Evaluating potential and strategic questions	Robbert Droop / MinlenM

## Agenda Thursday September 18<sup>th</sup>

### 9:00 **SESSION 3 – EFFECTIVE COOPERATION FOR ECO-INNOVATION**

#### **Introduction to Day 2**

*Peter Woodward, conference moderator (UK)*

#### **Highlights from ECO-INNOVERA**

*Evelyn Echeverría, coordinator ECO-INNOVERA (DE)*

#### **Working Tables Discussion**

*Participants choose three table briefings, each 25 minutes, on projects and programmes designed to foster cooperation for eco-innovation.*

*Twelve tables, including:*

- *National programmes from DE, FI, ES, FR*
- *EU-University masters*
- *International survey on Eco-Innovation Parks*
- *Eco-Innovation beyond Europe*
- *External platforms such as EcoWater, GreenXpo, RECREATE, JPI Urban Europe and Eco-Innovation Observatory*

### 10:30 **NETWORK BREAK WITH POSTER EXHIBITION ON ECO-INNOVATION**

### 11:00 **SESSION 4 – SHAPING AND SCALING FUTURE COOPERATION**

#### **Thoughts on future cooperation for eco-innovation**

*Robbert Droop, ECO-INNOVERA and MinlenM (NL)*

#### **Open Space for a New Agenda**

*Opportunity for participants to identify topics and create discussion groups for further action on systemic eco-innovation in research, development and policy*

### 12:40 **LUNCH**

### 13:40 **MESSAGES AND RECOMMENDATIONS FOR A STEP CHANGE (Panel Discussion)**

**Participants identify messages to carry forward action on system innovation with feedback to the expert panel for comments:**

- *Lana Zutelija, European Commission DG-ENV*
- *Klaus Fichter, Borderstep Institut (DE)*
- *Lionel Platteuw, EUCETSA (BE)*
- *Jean-Marc Merillot, ECO-INNOVERA and ADEME (FR)*

#### **FEEDBACK AND FINAL WORDS**

- *Vincenzo Gente, European Commission DG-R&I*
- *Evelyn Echeverría, coordinator ECO-INNOVERA*

### 15:00 **END OF CONFERENCE**



## Details Thursday September 18<sup>th</sup>

### SESSION 3: EFFECTIVE COOPERATION FOR ECO-INNOVATION

#### Working Tables Discussion

The working tables discussion shows the wide spectrum of activities during ECO-INNOVERA and beyond. External projects and networks accentuate their contribution to eco-innovation.

There will be three rounds in which you can choose at which table you want to participate. To assure an evenly distributed participation at each table, please choose a slip of paper for each table and round beforehand.

Table	National Programmes	Moderator
1	Green Growth (Finland)	Kari Herlevi / TEKES
2	FONA – Research for Sustainable Development (Germany)	Michael Weber / PtJ
3	ECO-Technology (France)	Dominique Darmendrail / ANR
4	Circular Economy Demonstration Projects Programme (Basque Government, Spain)	Ander Elgorriaga / IHOBE
	<b>Out-Puts from ECO-INNOVERA</b>	
5	EU University masters survey – Incubating the next generation of eco-innovation communities	Jean Marc Merillot / ADEME
6	International survey on Eco-Innovation Parks	Daniel Zürcher / BAFU
7	Eco-innovation activities beyond Europe	Michaela Thorn / DLR
	<b>External Projects / Networks</b>	
8	ECO-INNOVATION Observatory	Michal Miedzinski / Technopolis Group
9	GreenXpo	Karen Böhme / PtJ
10	Recreate	Robbert Fisher / JIIP
11	Eco-Water	Dionysis Assimacopoulos / NTUA
12	JPI Urban Europe	Jonas Bylund / JPI Urban Europe

### SESSION 4 – SHAPING AND SCALING FUTURE COOPERATION

#### OPEN SPACE

Open space discussions offer the participants the possibility to identify messages to carry forward action on system innovation with feedback to expert panel for comment.

You can create your own topic and invite participants to discuss at a table or just in a group, anywhere.

## Speakers



**Cecelja, Franjo**

University of Surrey



**Echeverria, Evelyn**

ECO-INNOVERA,  
Project Management Jülich



**Darmendrail, Dominique**

ANR



**Merillot, Jean Marc**

ADEME



**Miller, Richard**

TSB



**Platteuw, Lionel**

EUCETSA

**Gente, Vincenzo**

European Commission DG-R&I



**Fichter, Klaus**

Borderstep Institut



**Droop, Robbert**

MinlenM



**Heim, Thomas**

Hochschule für Technik FHNW



**Zutelija, Ana**

European Commission DG-ENV



**Prista, Luisa**

European Commission DG-R&I



## About ECO-INNOVERA

The ERA-Net ECO-INNOVERA, the European Research Area Network on Eco-innovation, was launched in October 2010 and is supported by the European Commission through the 7th Framework Programme for Research and Technological Development. The consortium is made up of 19 European countries and regions.

ECO-INNOVERA works towards the coordination and cooperation of national and regional programmes and aims to support research, innovation and environmental policy makers with best practices for funding eco-innovation.

### PROJECT OBJECTIVES

ECO-INNOVERA promotes the development and implementation of eco-innovation in Europe. This has been delivered by:

- Pooling Europe's most relevant research and innovation programmes on eco-innovation to reduce the fragmentation of the European landscape.
- Developing and operating a networking platform for information exchange on European eco-innovation research.
- Creating and establishing a common research and funding platform for long-lasting cooperation and joint activities of the national and regional funding organisations to encompass the entire innovation chain.
- Creating a research Agenda and strategy in the field of systemic eco-innovation.

Public awareness of the ERA-Net has been promoted via [www.eco-innova.eu](http://www.eco-innova.eu) as well as LinkedIn, printed information flyers, presentation on workshops and meetings as well as interaction with target groups.



Consortium ECO-INNOVERA (Second meeting, February 2012)

## Partners



## Funded Projects

### BIOSCREEN

#### Sunscreens and blinds from bio-based materials for indoor and outdoor use

The project aims to develop sunprotection fabric made of bio-based materials. Sunprotection is readily used to block unwanted sun radiation through windows. Products like these are generally made of a woven fabric and reinforced with a coating. The fabric often consists of oil-based products with limited possibilities for recycling. Bio-based polymers are readily available but are not used frequently for textiles. In this project, materials and production processes will be developed to make fully bio-based sunprotection fabrics. The key is to maintain a high tensile strength upon ageing. The yarns will be woven into a fabric which will be coated with a novel bio-based coating. Bio-based screens and blinds will also be recyclable, which is not the case for the current products. Moreover, the outdoor screens are ideal to make buildings more energy efficient and can, to a large extent, replace (energy consuming) air conditioning.

[www.calcutta.be](http://www.calcutta.be)

### EASY

#### Energy-Aware feeding SYstems

Supply chain logistics have a significant impact on the environment. However, supply chain logistics are still governed by the just-in-time paradigm. Born in the 80s, it assumed a low energy cost, the validity of this assumption turning out to be more and more questionable as discussed in many papers, mainly due to the increasing part of the energy costs and to the future EU legislation (European Union's Integrated Product Policy (IPP)). Focusing on the internal logistic of factories, the EASY project aims at favoring energy-aware practices, explicitly taking energy consumptions factors into account at the very heart of the optimization procedures.

The main goal consists on analyzing raw-material flows across the factory, from the warehouses to the assembly lines, focusing on energy consumption aspects. For this purpose, the project proposes to develop tactical/operational decision-aided tools, namely simulation-based and optimization-based techniques intending to highlight low energy-costing decisions and, to favor energy awareness of decision makers. On the basis of the mathematical models, another motivation for providing such tools is to demonstrate that just-in-time and energy-aware manufacturing paradigms can cohabit together, putting in synergy financial objectives with environmental ones.

[www.eco-innova.eu/1st-call-projects-easy](http://www.eco-innova.eu/1st-call-projects-easy)

### ECOBIM

#### Value driven life cycle based sustainable business models

The main expected outcome of Ecobim (Eco-Innova 1st Call) is the development of a set of guidelines based on indicators for sustainable eco-innovative construction business models. As a result, this process will also provide a roadmap for enterprises, particularly SMEs, at a European level, and easy-to-understand recommendations for policy makers. It has also established an online networking platform with SMEs able to discover new innovation fields within the construction sector and develop the required methodologies and tools to serve the whole value chain.

The Ecobim project has already identified a number of opportunities for eco-innovation within the construction sector and is currently working on the following: BIM checkers and assessment, Product Life Management (PLM), Life Cycle Analysis and Production of Eco-Indicators, Monitoring of Buildings and other business opportunities not necessarily related to BIMs and ICTs.

Opportunities in relation to BIM, PLM, LCA and Monitoring are being developed through real case studies

in Finland, France and Germany. However, the potential for eco-innovation within the construction sector is quite large, therefore other business opportunities non related to the previous fields are being explored through workshops with the support of the Ecobim online networking platform.

[www.vtt.fi/sites/ecobim](http://www.vtt.fi/sites/ecobim)

## ECO LEAN COMPASS

### Low cost production process improvement for sustainable resource usage

The ECO LEAN COMPASS aims at reducing the environmental impact of the manufacturing industry. It is oriented on the development of organizational eco-innovations that enable costs savings together with energy and materials usage decrease or emissions reduction. It takes advantage of the synergy between Lean Management and various environmental approaches that are being widely used to achieve greater sustainability of production. It is aimed at impacting several groups of stakeholders related to the manufacturing industry. End users of the project include following groups: manufacturing companies, their customers, supply chains, business support organizations and programs, policy makers as well as manufacturing equipment design companies. The project will result in several solutions all of which will enable reaching a synergy effect in improving manufacturing industry's environmental performance.

[www.eco-innovera.eu/2nd-call-projects-ecolean](http://www.eco-innovera.eu/2nd-call-projects-ecolean)

## ECOPANEL

### Natural fibre/furan based composite materials for construction applications

The ECOPANEL project aims to develop sustainable, bio-based alternatives to current construction panels. The proposed composite material systems will consist of a nonwoven natural fibre reinforcement or recycled fibre, combined with formulated furan resin. These composite materials should comply with the needs of sustainable building materials.

ECOPANEL will develop high speed continuous techniques for the production of these panels. ECOPANEL aims to offer a significant contribution to creating more sustainability in construction by taking into account the whole life cycle.

[www.transfurans.be](http://www.transfurans.be)

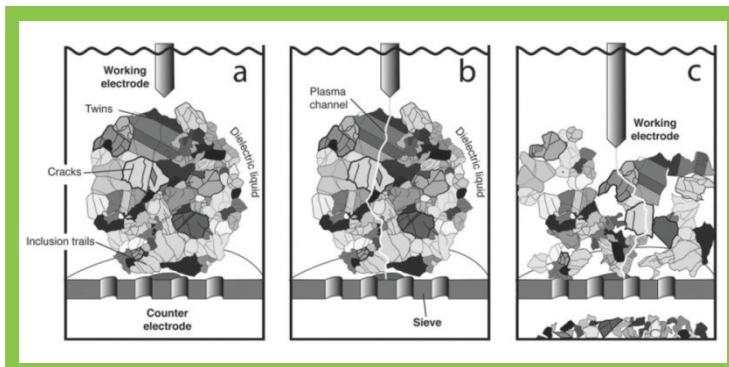


*Bio-based construction panels*

## EDF-HVC

### Electrodynamic fragmentation of high value compound & bulk materials with potentially recoverable substances

This project focuses on the up-scaling and integration of electrodynamic fragmentation (EDF) technology into the existing recycling technology machinery of particular waste streams. These can be slags, ashes, and filter cakes of waste incineration plants, as well as electronic waste components and a variety of compound materials including carbon fibers and glass fibre reinforced plastics. The advantage lies in the liberation aptitude of EDF without direct contact to the target objects causing no or minimal heat or mechanical friction. EDF results in optimal material liberation and at the same time it avoids the creation of hazardous by-products.



*Schematic presentation of the of electrodynamic fragmentation (EDF) process*

EDF-HVC is an ambitious collaborative project. Through a focused R&D program, it will enable technological advances in the handling and recycling of selected waste streams, thus contributing to natural resources preservation. The objective is to assess the aptitude of EDF technology to effectively treat and recover materials from increasingly used compound material.

[www.eco-innova.eu/2nd-call-projects-edfhvc](http://www.eco-innova.eu/2nd-call-projects-edfhvc)

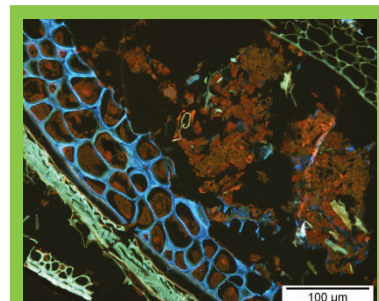
## IPTOSS

### Innovations for optimal use of organic side-streams and waste

The project objective is to improve the utilization of industrial organic side-streams as a source of new raw materials. The research focuses on brewer's spent grain (BSG), which is the major side-stream from the brewing industry. BSG is a lignocellulosic material, which is also rich in protein and lipids. The project studies new processing and enzyme technologies to extract lipids, to improve the yield of the carbohydrate hydrolysis, to release BSG proteins in a controlled manner and to degrade lignin to smaller phenolic compounds.

The IPTOSS project targets at a consolidated biorefinery concept where all biomass fractions are valorised. The carbohydrates, protein, lignin and lipids in BSG could be upgraded into higher value intermediates and products for the food, beverage & brewing, feed, fuel and chemical industries. The techno-economical feasibility and sustainability assessment of the developed processes is an integral part of the project.

[www.vtt.fi/sites/iptoss](http://www.vtt.fi/sites/iptoss)



*Microscopic picture of biomass fractions*



## **SHIFT**

### **Support systems for sustainable entrepreneurship and transformation**

Eco-innovation and the green economy are at the top of the EU agenda. Systematic and effective support for start-ups and SMEs that are developing and seeking to expand their position or to launch eco-innovation in the marketplace is, however, still not widespread. In order to stimulate and support the creation of eco-innovation, public and private support systems for entrepreneurship need a paradigm shift. The main goal of SHIFT is thus to enable universities, incubators, business development organisations, financial institutions, design service providers and other relevant actors and intermediaries to support sustainable entrepreneurship more effectively.

The project will contribute to more effective support systems for eco-innovation, helping to accelerate good practice leading to more significant market adoption of eco-innovation as a segment differentiator. This might in turn enhance the number of green start-ups, increase the survival rate for green start-ups and stimulate the development of new business fields for eco-innovation.

A stimulated diffusion of sustainable products and services may contribute to an overall greening of markets. An increase in green products, which substitute unsustainable products, may lead to a structural change of the economy towards more sustainability, reduced use of resources and reduced environmental impact of products.

[www.shift-project.eu](http://www.shift-project.eu)

## **SMC-EXCEL**

### **Enhancing sustainability by mass customization for European consumer electronics**

The project strives to develop and evaluate a system innovation enhancing the ecological sustainability in consumer electronics (CE), focusing on television sets (TV). The project will provide guidelines and policy recommendations to enhance the eco-sustainability of TVs by shifting its value chain from the current mass production of products with short technology cycles („gadgetization“) towards a mass customization (MC) of TV sets meeting individual users' demands. Even though MC has been regarded by the EC as one of the main value drivers of a sustainable economy, manufacturers of consumer electronics have not yet followed this business paradigm. To overcome this, the project will enable a full system innovation by remodeling the complete value chain of the TV industry towards a sustainable business model driven by MC. The implementation of mass customization in the European consumer electronics (CE) industry will contribute greatly to the European environmental and social policy and will help to reach the European goals of energy and resource efficiency.

[www.mckn.eu/projects/smc-excel](http://www.mckn.eu/projects/smc-excel)

## **SPROUT**

### **Safe protein from unused waste**

The objective is to develop a turn-key solution for waste-to-value treatment where fly larvae convert waste into valuable animal feed and fertiliser. Within the project, design specifications and a market-ready prototype of a modular unit for converting organic waste into insect-based animal feed will be developed. The aim is to produce SPROUT waste-to-value treatment units and post-market support for small-to medium-scale organic waste treatment.

The SPROUT project will develop an insect-based treatment system for converting food waste and animal manure into valuable end-products such as animal protein feed and high-quality fertilisers. The treatment will introduce a new value chain for organic waste management that is scalable and adoptable for Europe as well as for other countries globally. This treatment system has a high potential in revolutionising organic waste management. The vision is that in ten years timespan half of the new constructed organic waste management systems are insect biorefineries producing animal feed from waste.

[www.slu.se/sprout](http://www.slu.se/sprout)

## SUWAS

### **Sustainable waste management strategy for green printing industry business**

The environmental performance of flexographic industry can be enhanced by reducing the hazardous waste and the use of petroleum products through recycling of the raw ink materials. The cleaner waste treatment system also replaces the conventional incineration process consuming fossil fuels and producing enormous environmental pollutants such as CO<sub>2</sub>, NO<sub>x</sub> and PAHs. Business activities in the flexographic printing process will be switched from a traditional perspective to an approach from the standpoint of industrial symbiosis. Developing this business strategies paves the way for the redesign of products and value chain process of sustainable flexographic industry in improving productivity and reducing manufacturing costs.

The project aims to establish environmental and socio-economic welfare in the EU by successfully adopting recycling technology in the printing industry. The technology targeted in this project recovers waste ink from flexographic industry to use the recycled materials for relevant industrial processes. This project carries out a life-cycle assessment (LCA) of implementing the recycling process, which addresses three dimensions of sustainability: environmental, economic and social aspects.

[www.suwas.eu](http://www.suwas.eu)

## VALUXTRACT

### **Valorization of new high added value compounds from european vine and wine production solid wastes – technological, economical and social issues**

The aim of the project is the valorization of the grape wastes (pomace, vine shoots, barrels, ships,...) using green processes to produce valuable compounds for different applications such as pulsed electric fields, high voltage electric discharge, sub-critical water extraction and membranes.

Applications of high added value compounds as antioxidant materials or other molecules are of significant interest. Utilization of wastes would contribute to maximizing the available resources and could result in expanding the market for products. Environmentally, this simultaneously would contribute to solving environmental problems. Up to now, extractions with organic solvents have been developed. These traditional extraction methods have several drawbacks; they employ large amounts of toxic solvents, are time consuming, laborious, have low selectivity and/or low extraction yields. Techniques proposed in the project such as subcritical fluid extraction and electrical treatments that provoke electroporation and biological damage should be sustainable processes as alternatives to the conventional extractions. These extraction techniques provide higher selectivities, shorter extraction times and do not use toxic organic solvents.

[www.valuxtract.univ-bordeauxsegalen.fr](http://www.valuxtract.univ-bordeauxsegalen.fr)



## Selected Partner Networks

### Eco-Innovation Observatory

The Eco-Innovation Observatory provides a platform for the structured collection and analysis of an extensive range of eco-innovation information, gathered from across the European Union and key economic regions around the globe.

Interrogation of this unique database, combined with input from experts and practitioners in the field, will allow the development of unparalleled understanding of eco-innovation processes and developments over the past two decades and the determination of likely future trends for the next 20 years.

[www.eco-innovation.eu](http://www.eco-innovation.eu)

### EcoWater

EcoWater aims to address the existing gap in meso-level eco-efficiency metrics by adopting a systems' approach to develop eco-efficiency indicators, using water service systems as case application examples (Case Studies). By studying the corresponding value chains, as well as the (economic) actors involved and their interactions, the project will further seek to understand how technological changes in water systems interrelate, and influence the economic and environmental profile of water use in different sectors.

[environ.chemeng.ntua.gr/ecowater](http://environ.chemeng.ntua.gr/ecowater)

### GreenXpo

GreenXpo aims at faster and wider uptake and exploitation of technological as well as non-technological eco-innovations, in addition to good policy measures related to eco-innovation. In addition to pooling the knowledge on a single online portal at [www.innovationseeds.eu](http://www.innovationseeds.eu), greenXpo proactively promotes the available knowledge to policy makers, enterprises and society.

[www.greenxpo.eu](http://www.greenxpo.eu)

### RECREATE

RECREATE is a project funded by the European Commission. Its overall objective is to support the development of the European Union's new research funding program Horizon 2020, with a specific focus on "Challenge 5: Climate Action, Resource Efficiency and Raw Materials". RECREATE will provide evidence and intelligence concerning the future directions of these research fields. RECREATE will run until mid 2018 and is carried out by a consortium of 15 key stakeholders from European research and industry.

[www.recreate-net.eu](http://www.recreate-net.eu)

## **Systemic Innovation: concepts and tools for strengthening national and European eco-policies**

The Systemic Innovation project aims to provide an overview of concepts, examples and tools for promoting a so-called systemic approach in research and innovation that may guide national and European policy-makers in programming ambitious and effective research.

Systemic eco-innovations involve the development of alternative systems of production and consumption that are more environmentally benign than existing systems. They lead to fundamental changes in both social dimensions (values, regulations, attitudes etc.) and technical dimensions (infrastructure, technology, tools, production processes etc.). Such high-impact innovations are key in tackling today's grand societal challenges.

[www.TNO.nl/systemic-ecoinnovations](http://www.TNO.nl/systemic-ecoinnovations)

## **PREPARE**

The key offering of the PREPARE Network is connecting our friendly and experienced members, who generate – and work together on – environmentally related projects. The PREPARE Network is a network with a strong track record, a solid heritage and a wide coverage across Europe.

[www.prepare-net.com](http://www.prepare-net.com)

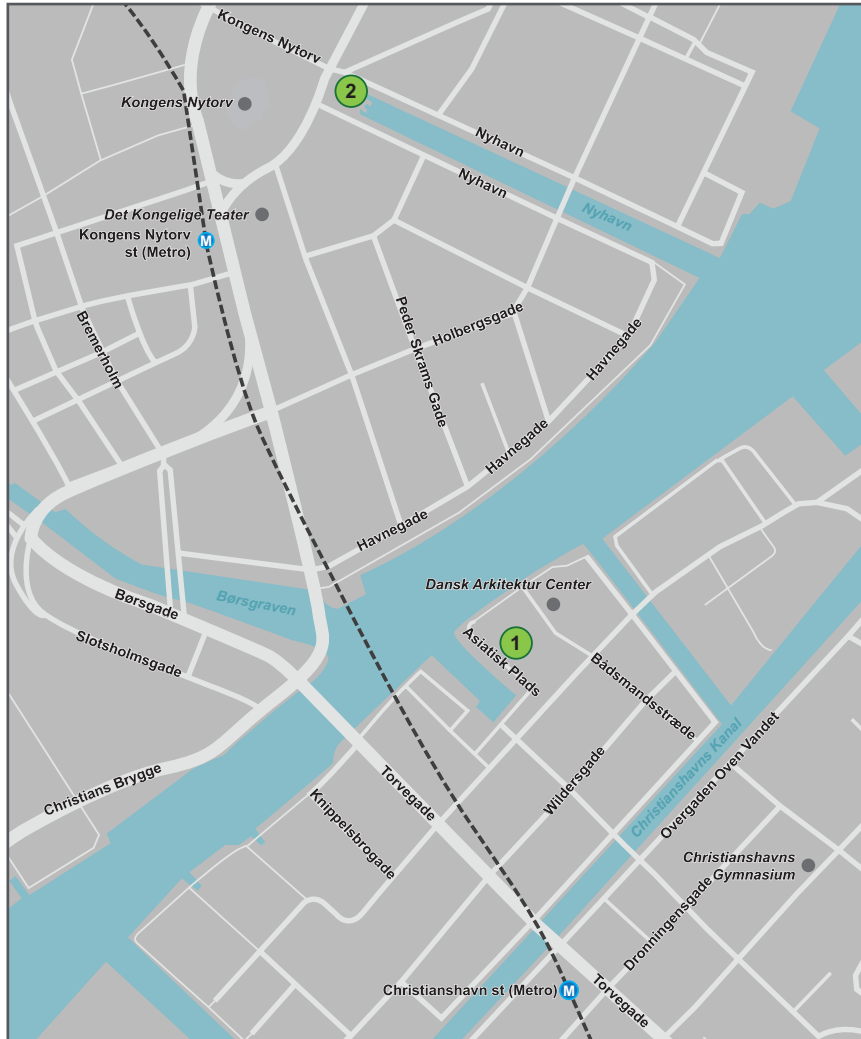
## **JPI Urban Europe**

Urban Europe is a joint programming initiative (JPI). Through JPI Urban Europe, member countries can generate European solutions by means of coordinated research. The aim is to create attractive, sustainable and economically viable urban areas, in which European citizens, communities and their surroundings can thrive.

[jpi-urbaneurope.eu](http://jpi-urbaneurope.eu)

## Logistics

### Map of Harbor Nyhavn and conference venue



1. Conference Venue:  
Departure Boat Cruise

2. Nyhavn: Arrival Boat  
Cruise

Source: PtJ

### Important Numbers

**Mobile number for last minute issues (ECO-INNOVERA Team):**

+49 170 223 5887

**Tourist Information**

+45 7022 2442

**Emergency Numbers**

(+45) 112 for life threatening emergencies ask for the police, fire department or ambulance service.

(+45) 1813 for injuries or sudden illness speak to a nurse or doctor, or to go to a hospital emergency department.

(+45) 114 for police, when it is not an emergency.



**ECO-INNOVERA**