



UNIVERSITÉ DE LORRAINE



CEREFIGE
Centre Européen de Recherche en Économie Financière et Gestion des Entreprises



EMPP
Énergie Mécanique
Processés Produits



ANR-21-EXES-0011



Spring of Innovation 2024

Systemic innovations: industry,
society, environment

March 19th BULCO Dunkerque

March 21st Lorraine Fab Living Lab Nancy

REGISTRATION before March 08 2024 :
[ICI](#)

Description

The systems approach may be a key response to rethinking current models for organizing human activity in a context of climate change (Uzunidis et al., 2021). It refers to collaborative and mutualized management of the development of a territory, a sector, an industry, a project, a resource, etc., involving various stakeholders in an integrated and cross-disciplinary approach. Systemic innovations involve innovative solutions that emerge when these different entities (individuals, companies, society, etc.) interact in a synergic way to create larger systems.

There are many models of systemic innovation, starting with the well-known: industrial symbioses stemming from industrial ecology practices (Kasmi, 2021) and, more broadly, the circular economy (Vence et al., 2022), eco-neighborhoods, short food supply chains, innovation ecosystems (Baldwin et al., 2024; Laperche et al., 2019), and public-private-population partnerships (PPPs) (Dupont et al., 2015). These examples share the common feature of operating with the aim of guaranteeing a balance between the development of human activity and the preservation of the natural ecosystem. The systemic approach is becoming increasingly popular and is spreading to other fields such as, other pillars of the circular economy like the economy of functionality (Merlin, 2024), the social and solidarity economy, the bioeconomy (Debref & Vivien, 2021; Debref et al., 2022), agriculture (Matt, 2023a, Matt, 2023b), distributed urban manufacturing, FabCity projects (Diez & Posada, 2013; Moritz et al., 2016), collaborative innovation spaces (fablabs, living labs, third places, among others) (Kasmi et al., 2022; Morel et al., 2018), etc.

The aim of this scientific event is to examine, both from a theoretical and practical standpoint, how systemic innovations emerge: how are stakeholder relationships constructed, with an emphasis on both contractual and more subjective dimensions based on trust (Bornarel et al., 2024)? How are shared objectives defined? What forms of governance are at stake in generating these systemic innovations, whatever their form (technological, or more organizational and social)? Another aspect of the question lies in the impact of systemic innovations: how are they transforming various fields, from ecology to digital technology, economics, engineering and the social sciences? How can we study and support these transformative and growth-generating innovations, and participate in the co-creation and development of new circular economy models in sectors and territories (Laperche et al., 2024)?

Conference objectives

Innovation Spring 2024, organized by the Research Network on Innovation, takes place on March 19 in Dunkirk and on March 21 in Nancy. The ISI laboratories of the Université du Littoral Côte d'Opale, and the ERPI and CEREFIGE laboratories of the Université de Lorraine, lead laboratories of the RRI, have joined forces to cross-fertilize their work in innovation economics, management and engineering.

The theme of the conference is systemic innovations and new circular economy models, including the following topics:

- The importance of the circular economy in building resilient industries and territories, and the role of systemic innovations.
- Understanding the foundations of systemic innovation (stakeholder relations, trust, new organizations).
- The role of open innovation and co-creation ecosystems in the development of sustainable systemic innovations.
- Systemic and sustainable innovations in practice in territories and sectors: economic, social, technical, political (in the sense of public policy) and environmental advantages and limitations.
- The role of public policy in promoting the circular economy and systemic innovations in industries and regions.

The conference will be held in French and English, and will give rise to the publication of special issues in *Innovations*, *Revue d'Economie et de Management de l'Innovation*, *Technologie & Innovation*, *Galician Journal of Economics* and a book in English in the *Innovation in Engineering and Technology* series, Wiley / Iste

Program (in progress)

The two days are organized face-to-face and are relayed by videoconference, at the Dunkirk and Nancy sites.

March 19, 2024 - BULCO, Dunkirk		
08h30	Opening	
9h00 – 09h30	Introduction Antoine Brand, Directeur BULCO Dunkerque Sophie Boutillier (Master Side ULCO) Blandine Laperche (RRI – ISI ULCO)	
09h30 – 12h		Innovation Rally Master Management de l'Innovation -ULCO Programme RRI MasterLink Jury : Sophie Boutillier, Vanessa Casadella Alienor de Rouffignac, Blandine Laperche, Son Thi Kim Le, Dave Mobhe, Laure Morel, Hollman Rojas
12h-13h	Master of Innovation Management graduation ceremony SIDE	
13h – 14h30	Lunch break	<p style="text-align: center;">Mardi de l'innovation / Tuesday of Innovation – Online Lien zoom</p> <p style="text-align: center;">Presentation of <i>Innovations, Revue d'Économie et de Management de l'Innovation</i> « Processus dynamiques d'innovations responsables », n°72, 2023/3</p> <p style="text-align: center;"><i>Journal of Innovation Economics and Management</i> « Responsible Innovation. Theoretical debates and facts trends »</p> <div style="text-align: center;">   </div>

<p>14h30 - 15h</p>	<p>Introductory lecture: Dimitri Uzunidis (RRI, ULCO), The foundations of systemic innovation</p>
<p>15h – 17h30</p>	<p>Round table: Bioeconomy and Value Chains: What systemic innovations?</p> <p>Coordination : Nathalie Jullian (UPJV), Blandine Laperche (ISI, ULCO)</p> <p>Intervenants : Françoise Coucheney (Université de Lille), Mauricio Camargo (ERPI, Université de Lorraine), Romain Debref (Regards, URCA), François Delattre (UCEIV, ULCO), Sophie Fourmentin (UCEIV, ULCO), Aliénor de Rouffignac (ISI/lab.RII, ULCO), Stéphanie Gast (ISI/Lab.RII, ULCO) Brunelle Marche (ERPI, Université de Lorraine), Marie-France Vernier (ESDES, Lyon)</p> <p>Special issue 2024-9 of <i>Technologie et Innovation</i> OpenScience - Technologie et innovation - Les filières de production dans la bioéconomie</p>
<p>17h30- 17h45</p>	<p>Synthesis of the day: Sophie Boutillier (ISI, ULCO)</p>
<p>18h</p>	<p>Vernissage Exhibition Naturalis Causa –</p> <p>Presentation of the book "Naturalis Causa. Impressions et expressions imagées", Magna Carta, Paris</p> <div data-bbox="699 1579 1120 1888" data-label="Image"> </div>

March 21, 2024 - Nancy			
08h30	Opening		
09h00 – 09h30	<p>Introduction</p> <p>Laure Morel (Director of ENSGSI) Blandine Laperche (RNI president/ ISI Ulco)</p>		
09h30 – 10h30	<p>Plenary session - Keynote speaker: Muthu De Silva (Birkbeck, University of London, OECD)</p>		
10h30	Coffee break		
10h45 – 12h15	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Round table 1: Circular economy and systemic innovation for sustainable industries and territories</p> <p>Coordination: Mauricio Camargo</p> <p>Victor Prokop (University of Pardubice, Czechia)</p> <p>Konstantinos Tsagarakis (Technical University of Crete, Greece)</p> <p>Sophie Boutillier (Université du Littoral)</p> <p>Xavier Vence – (Santiago De Compostella, Spain)</p> <p>Olivier Chery (Université de Lorraine)</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Workshop: Trust, Innovation and Organizational Renewal</p> <p>As part of the special issue of Innovations, Revue d'Economie de l'Innovation "Confiance, Innovation et Renouveau Organisationnel"</p> <p>Hélène Delacour, Frédéric Bornarel, Sandrine Virgili (Université de Lorraine), Patrick Cohendet (HEC Montréal)</p> </td> </tr> </table>	<p>Round table 1: Circular economy and systemic innovation for sustainable industries and territories</p> <p>Coordination: Mauricio Camargo</p> <p>Victor Prokop (University of Pardubice, Czechia)</p> <p>Konstantinos Tsagarakis (Technical University of Crete, Greece)</p> <p>Sophie Boutillier (Université du Littoral)</p> <p>Xavier Vence – (Santiago De Compostella, Spain)</p> <p>Olivier Chery (Université de Lorraine)</p>	<p>Workshop: Trust, Innovation and Organizational Renewal</p> <p>As part of the special issue of Innovations, Revue d'Economie de l'Innovation "Confiance, Innovation et Renouveau Organisationnel"</p> <p>Hélène Delacour, Frédéric Bornarel, Sandrine Virgili (Université de Lorraine), Patrick Cohendet (HEC Montréal)</p>
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12h30 – 14h00	Lunch break		
14h00 – 15h00	<p>Plenary session - Keynote speaker – Patrick Cohendet (HEC Montréal)</p>		
	Coffee break		

<p>15h15 – 17h00</p>	<p>Round Table 2: Co-creation ecosystems for systemic and circular innovation</p> <p>Coordination: Laurent Dupont</p> <p>Alexander Brem (University of Stuttgart, Allemagne)</p> <p>Robert Mies (TUB, Allemagne)</p> <p>Antoine Daval (La Vigotte Lab et Colab.Studio, France)</p> <p>Manuel Moritz (Helmut-Schmidt-Universität, Germany)</p> <p>Sacha Hodencq (G2Elab, Grenoble INP)</p>	<p>Workshop: Trust, Innovation and Organizational Renewal</p> <p>As part of the special issue of Innovations, Revue d'Economie de l'Innovation "Confiance, Innovation et Renouveau Organisationnel"</p> <p>Hélène Delacour, Frédéric Bornarel, Sandrine Virgili (Université de Lorraine), Patrick Cohendet (HEC Montréal)</p>
<p>17h00 – 17h15</p>	<p>Summary and conclusion</p>	
<p>17H15</p>	<p>Celebration of the 10 years of the Lorraine Fab Living Lab</p>	

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Practical information

Venue :

19 mars : Bibliothèque de l'Université du Littoral Côte d'Opale, 55 Av. de l'Université, 59140 Dunkerque

21 mars : LF2L - Lorraine Fab Living Lab 49 Bd d'Austrasie, 54000 Nancy et L'OCTROI – Nancy 47 Bd d'Austrasie, 54000 Nancy



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