

CONFERENCE ON

INTERDISCIPLINARY AND
TRANSDISCIPLINARY
RESEARCH FOR
SUSTAINABLE DEVELOPMENT
THIRD EDITION – INSTITUTIONAL ECOSYSTEMS FOR
ENHANCING RESEARCH IMPACT AND SOCIETAL
RELEVANCE OF INTERDISCIPLINARY AND
TRANSDISCIPLINARY RESEARCH

23 -24 NOVEMBER 2023

LOUVAIN-LA-NEUVE - BELGIUM

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UCLouvain



Circle U.
European University Alliance

Thursday 23 November 2023

Aula Magna - Foyer Royal (1st floor) – Traverse Comte Yves du Monceau – Louvain-la-Neuve.

17:15 – 19:15

Keynotes - Institutional ecosystems for enhancing research impact and societal relevance of interdisciplinary and transdisciplinary research

Keynote 1 - A comparative framework for institutionalizing inter- and trans-disciplinary research and teaching in higher education

PD Dr Bianca Vienni Baptista, ETH Zurich, Switzerland

Keynote 2 - Scientific mobilization of keystone actors for biosphere stewardship

Prof. Dr. Henrik Österblom, Stockholm University and Stockholm Resilience Centre, Sweden

Discussant: Prof. Ariane König, University of Luxembourg; Esch-sur-Alzette, GD Luxembourg

Friday 24 November 2023

Auditorium Thomas More - Place Montesquieu 2 – Louvain-la-Neuve

09:00 – 09:30

Welcome and registration

09:30 – 11:00

Parallel Thematic Sessions – Series A

A1.- Frameworks for corporate and technical choices for sustainability solutions MORE 72

A2.- Learning environments in open-ended and diverse transition pathways I MORE 74

11:15 – 12:45

PLENARY SESSION

Auditorium Montesquieu – MONT 04 – Rue Montesquieu 2 - Louvain-la-Neuve

Moderator: Kevin Guillaume

Circle U. ICUP– Best practice examples of interdisciplinary and transdisciplinary research in the European University Alliance Circle U.

- Aline Cordonnier (UCLouvain) - RE-MEMBER
- Janet Rafner and Safinaz Büyükgüzel (Aarhus University) - CreaVisions
- Thérèse Van Durme (UCLouvain) – BeHive

Panel Discussion - Upscaling of interdisciplinary and transdisciplinary research practices within Circle U. moderated by Kevin Guillaume - Circle U. Secretary General

- PD Dr Bianca Vienni Baptista, ETH Zurich, Switzerland
- Prof. Dr. Henrik Österblom, Stockholm University and Stockholm Resilience Centre, Sweden
- Prof. Ariane König, University of Luxembourg; Esch-sur-Alzette, GD Luxembourg
- Janet Rafner, Aarhus University, Denmark

12:45 – 14:00

Sandwich lunch

Central Hall Building Thomas More – Place Montesquieu 2 – Louvain-la-Neuve

14:00 – 15:30

Parallel Thematic Sessions – Series B

B1. Social acceptability and education for sustainability solutions MORE 72

B2. Learning environments in open-ended and diverse transition pathways II MORE 74

15:45 – 17:15

Parallel Thematic Sessions – Series C

C1. Motivations and ethical frameworks for sustainable behaviour MORE 72

C2. Evaluating innovative socio-technical practices in health, energy and farming MORE 74

17:15 – 17:30

Closing session – MORE 72

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LPTransition
Louvain Partnership Research on
Ecological and Social Transition

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09:30 – 11:00 PARALLEL THEMATIC SESSIONS – SERIES A

A1. Frameworks for corporate and technical choices for sustainability solutions MORE 72

King Men Teoh, Department of Private Law, University of Oslo – Bridging the Gap: Interdisciplinary Research and the Law as Cornerstones of Sustainable Batteries in Mobility
Augustin WATTIEZ, Thibault PIRSON, David BOL - Exploring the Potential of Capsule Endoscopy for Sustainable Colorectal Cancer Screenings: interdisciplinary perspective of technical improvements
Desterbecq Charlotte, Tubeuf Sandy - Environmentally-responsible healthcare: protocol for a Discrete Choice Experiment
Pierre ANDRE - Emissions Accounting and Corporate Climate Responsibility
Dra Andrea Garcia, Dr Erasmus zu Ermgassen, Prof. Patrick Meyfroidt - 'do Pasto ao Prato': transparency in beef supply chains

A2. Learning environments in open-ended and diverse transition pathways I MORE 74

Sarah Hager - Across Alterity: Integration without agreement; co-action without cooperation?
Kaoutar Boustani Dahan; Samira Hmouda (vzw Pianofabriek), Maryam Kolly (UCL IRISLB), Aru Disasi (vzw Pianofabriek), Karim Akalay (asbl Be formation), Zahra Bennisri (sprl Hors du Bocal), Christopher Daley (vzw Pianofabriek); Makan Fofana et Hugo Pilate (asbl L'Hypercube (Paris)) - System_Turfu - En quoi la "débrouillardise" constitue un modèle souhaitable pour l'avenir de l'économie de l'art bruxellois (à l'horizon 2040), en tant que capacité de solutionnement qui fait face à l'absence de moyens économiques, culturels, socio-politiques en recourant à l'inventivité et à la solidarité ?
Antoinette Fage-Butler - Potential learnings for transdisciplinarity through a scaffolded listening approach? Methodological considerations from a Circle U. pilot project on sustainability ([online](#))
Caroline Waingeh Nain, Emeline Dierge, Aurélien Warnant and Yvan Larondelle (UCLouvain) - CÉTRAL- An open transition lab for healthy, nutritive and sustainable food

14:00 – 15:30 PARALLEL THEMATIC SESSIONS – SERIES B

B1. Social acceptability and education for sustainability solutions MORE 72

Ioannis TSIONAS (UCLouvain), Maider LLAGUNO-MUNITXA (UCLouvain), André STEPHAN (UCLouvain), Sampath Kumar Raghunathan SRIKUMAR (BuildWind SPRL), Gabriele MOSCA (BuildWind SPRL), Alessandro GAMBALE (BuildWind SPRL) - Deploying Small Urban Wind Turbines
Pranav Pandya, Maider Llaguno-Munitxa, Martin Gareth Edwards, Emilie Lacroix, Gabriele Manoli - Cycling Towards Sustainable Urban Mobility: Thermal Comfort and Well-being in Diverse Neighborhoods of Brussels
Hugues Draelants - Comprendre l'inertie sociale face à la menace climatique
Jean-Philippe De Visscher IMPROVING - HETEROGENEOUS SOCIO-TECHNICAL INFRASTRUCTURE - Insights from an experiment on plastic waste collection in the runoff water gullies of Yaounde, Cameroon.

B2. Learning environments in open-ended and diverse transition pathways II MORE 74

Charlotte Bréda, Bruno Verstraete, Michel De Jonghe, Aurore Girard, Cécile Ponsar, Jean Macq, Cassian Minguet - Expérimenter une communauté apprenante sur la transition écologique en médecine générale : apprendre et chercher ensemble pour transformer les pratiques
Ela Callorda Fossati, Andreia Lemaître, Anya Umantseva, Jonas Egmoose - Chains of unlearning in transdisciplinary research on Nature-Based Solutions in Europe
Dr. Yvonne Franz and Univ.-Prof. Dr. Kerstin Krellenberg - Research-based Transdisciplinary Teaching for Urban Sustainability Transformations
Coralie Helleputte; Anaïs Perilleux - Au-delà de la formalité: un modèle de bricolage pour naviguer entre les considérations conflictuelles des évaluations d'impact social

15:45 – 17:15 PARALLEL THEMATIC SESSIONS – SERIES C

C1. Motivations and ethical frameworks for sustainable behaviour MORE 72

Dr Bridget Vincent, Dr Luseadra McKerracher, Dr Janet Frances Rafner. (Aarhus University: Aarhus Institute for Advanced Studies) - Close Reading Climate Change
Savannah Schaufler and Tatiana Konrad - Narratives of Waste: Culture, Behavior, and Sustainability
Aybüke Taşer, Sergio Altomonte, Hervé Jeanmart - Sustaining The Future Hybrid Workplace
Stéphanie Merle, Myriam Banaï, Delphine Ducarme, Jean-Pierre Raskin - Transformations curriculaires : entre détresse éthique et réalisme utilitaire

C2. Evaluating innovative socio-technical practices in health, energy and farming MORE 74

Rémi Dekimpe, Augustin Wattiez, David Bol - Direct and Indirect Environmental Effects of Mobile Health Technologies: a Case Study on Continuous Glucose Monitoring
Ysaline Toussaint - Transdisciplinary analysis and Life Cycle Assessment on CO2 Direct Air Capture using membrane technology.
Sabi Kidirou Gbedourorou, Marnik Vanclooster - Exploring rice farmers' knowledge of the hydrographic network in watersheds, their perceptions of nitrate-related water pollution risks, and adoption of pro-environmental fertilization practices in lowland rice-cultivation ([online](#))
Philippe Rufin, Patrick Meyfroidt - Understanding the Role of Medium-Scale Farms as Drivers of Deforestation in Sub-Saharan Africa based on Earth Observation and Deep Learning

All the summaries can be found in the [Book of Abstracts](#) available on the [conference's website](#).

Official opening of the 3rd edition of the Conference on interdisciplinary and transdisciplinary research for sustainable development

Thursday 23th November – 17:15 -19:15

Aula Magna, Foyer Royal (1st floor) – Traverse Comte Yves du Monceau – Louvain-la-Neuve

Conference key-notes “Institutional ecosystems for enhancing research impact and societal relevance of interdisciplinary and transdisciplinary research”

Keynotes - Keynote 1 - A comparative framework for institutionalizing inter- and trans-disciplinary research and teaching in higher education

PD Dr Bianca Vienni Baptista, ETH Zurich, Switzerland

Bianca Vienni Baptista is assistant professor at the ETH Zurich. She works in the field of Science, Technology and Society Studies (STS), focusing in particular on the study of interdisciplinary and transdisciplinary knowledge production processes. She recently published two edited volumes on transdisciplinary research : Foundations of Interdisciplinary and Transdisciplinary Research. A Reader (Bristol University Press) and Institutionalizing Interdisciplinarity and Transdisciplinarity Collaboration across Cultures and Communities (Routledge).

Keynote 2 - Scientific mobilization of keystone actors for biosphere stewardship

Prof. Dr. Henrik Österblom, Stockholm University and Stockholm Resilience Centre, Sweden

Henrik Österblom is professor of environmental science at Stockholm University and the Stockholm Resilience Centre, where he has served as the former science director. He has co-developed the concepts of keystone actors and corporate biosphere stewardship. With a strong interest in seabirds and marine ecosystems, he is exploring ways to improve the human relationship with the ocean. He is chair of the Natural Capital Partnership Committee, Stanford University, chairman of the SeaBOS fundraising foundation and board member of Race for the Baltic fundraising foundation.

Discussant: Prof. Ariane König, University of Luxembourg; Esch-sur-Alzette, GD Luxembourg

Ariane König is assistant professor at the University of Luxembourg and leads a research team active in different transdisciplinary research projects on sustainability at the water-food-energy nexus. This research serves to further develop and put into practice concepts and methods and collaborative processes to understand and act on sustainability challenges as embedded in complex dynamic systems in which the social, ecological and technological spheres are inextricably coupled. She developed and leads an innovative transdisciplinary study programme, the ‘Certificate in Sustainability and Social Innovation’, that is open to students at all levels and professionals and contributes to doctoral school training.

The Opening Session will be followed by an **interactive master class in small break out groups**, from different disciplinary backgrounds, on interdisciplinary and transdisciplinary research and teaching practices at Institutions for Higher Education

WINNERS OF THE INTER CIRCLE U. PRIZE 2023

Circle U. ICUP– Best practice examples of interdisciplinary and transdisciplinary research in the European University Alliance Circle U.

Friday 24th November, 11:15 – 12:45

Auditorium Montesquieu – MONT 04 – Rue Montesquieu 2 - Louvain-la-Neuve

Aline Cordonnier (UCLouvain) - RE-MEMBER

Dr. Aline Cordonnier is a Post-doctoral fellow at the Faculty of Psychology and Educational Sciences at UCLouvain.

This project focuses on the intergenerational transmission of memories among Belgian families related to WWII collaboration or colonization of Congo. Specifically, it examines the interactions between transmitted family memories and other diverging collective memories circulating in Belgian society. By conducting interviews, the project examines how descendants of former collaborators or colonists position themselves in current Belgian debates on collaboration and colonization in reference to their own family past.

Video: <https://www.youtube.com/watch?v=TfRKVXhbXE4>

Janet Rafner (Aarhus University) - CreaVisions

Dr. Janet Rafner, Post-doctoral Fellow, Center for Hybrid Intelligence, Department of Management, University of Aarhus.

The Crea.visions project is an innovative initiative aimed at enabling large-scale public participation in tackling societal issues using an AI-assisted image generation tool. This tool facilitates visual human-AI collaborations to drive civic action, allowing users to visualize and share their thoughts on pressing issues, thus fostering a sense of agency and engagement. A diverse group of stakeholders, including academic researchers from fields like citizen science, psychology, and computer science, as well as educators, students, municipality leaders, and professional artists, have contributed to the development and implementation of this project. The platform has already seen significant usage, with over 1,000 participants of all age groups in Denmark, France, and Italy, having tested it since its inception in 2020. This has led to the creation of thousands of public-created future visions.

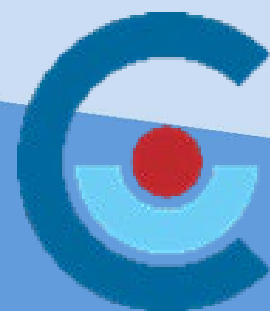
Video: https://www.youtube.com/watch?v=2xz_RyWHCRO&t

Therese Van Durme (UCLouvain) – BeHive

Prof. Thérèse Van Durme is a specialized nurse and has a Ph.D in public health. She works at UCLouvain, both as a researcher in the Institute of Health and Society and as a lecturer at the Faculty of Public Health.

The main assets of Be.Hive are that it is itself a social innovation, based on interdisciplinary and inter-institutional research (universities and university colleges), focusing on capacity building of researchers, in close interaction with primary care, within a regional, national and international network, in support of primary care. Exchanges between researchers allow to capitalise and share expertise in the field of primary care and to participate in making it visible to the different stakeholders of our society and health system: health and social professionals, health-related authorities at different levels of power, patients' and carers' associations.

Video: www.youtube.com/watch?v=QuuquJKYcXc



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PRACTICAL INFORMATION

The conference will take place in Louvain-la-Neuve, Belgium on 23 and 24 November 2023.

Thursday 23 November

Time: 17:15 – 19:15

The Opening session will take place at: Aula Magna Foyer Royal (1st floor) – Traverse Comte Yves du Monceau – Louvain-la-Neuve.

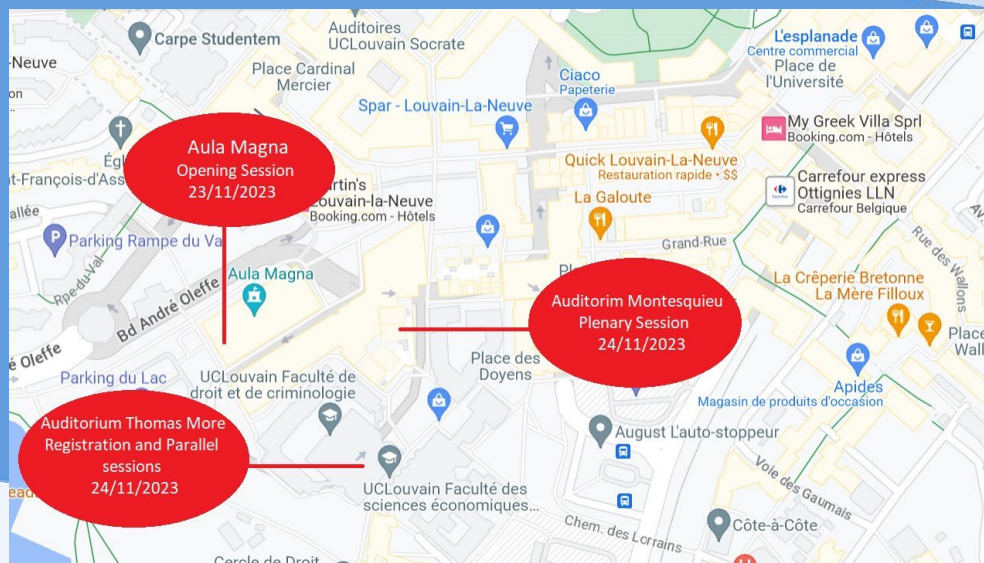
The entrance is located on the lake side of the Aula Magna building, next to the cinema.

Friday 24 November

Time: 09:30 -17:30

Registration and the Thematic parallel sessions will take place at **Collège Thomas More**, Place Montesquieu, 2, 1348 Louvain-la-Neuve

The plenary session (11:15 – 12:45) will take place at **Auditorium Montesquieu**, **MONT04**, Rue Montesquieu 2, 1348 Louvain-la-Neuve



ENTERING BELGIUM

Passport and travel documents

For British and Serbian citizens, if you are planning to travel to an EU country for a short-term stay (up to 90 days duration), you must meet the Schengen area rules.

Your passport must meet 2 requirements:

- less than 10 years old on the day you enter (check the 'date of issue')
- valid for at least 3 months after the day you plan to leave (check the 'expiry date')

LOUVAIN-LA-NEUVE, NOT LOUVAIN OR LEUVEN

The main campus of UCLouvain is located in the city of Louvain-la-Neuve. Please do not make the confusion between Louvain-la-Neuve and Louvain (the translation in French of Leuven). Louvain-la-Neuve and Louvain/Leuven are two distinct cities separated by 30kms. Louvain-la-Neuve is a city located in Wallonia while Louvain/Leuven is located in Flanders where the main campus of KULeuven is located.

GETTING TO LOUVAIN-LA-NEUVE

From Brussels Airport, you should take a train to Brussels. We advice to stop at the station Brussels-North and take a train to Ottignies. You can also take a train at Brussels-Central, Brussels-Luxembourg or Brussels-Schuman. Once you arrived in Ottignies, take the urban train (same station) to Louvain-la-Neuve-Université.

- Duration from Brussels Airport to Louvain-la-Neuve-Université : around 1 hour
- Ticket price (single): 14,70€

From Brussels-South Charleroi Airport, we advice to take a TEC bus to the train station of Charleroi-South. Then, take a train to Ottignies. Once you arrived in Ottignies, take the urban train (same station) to Louvain-la-Neuve-Université.

- Duration from Brussels Airport to Louvain-la-Neuve-Université : around 1h30
- Ticket price (single): 13,90€

More information on getting to and travel in Louvain-la-Neuve:

<https://en.tourisme-olln.be/be-prepared/access-and-parkings/getting-to-and-travel-in-louvain-la-neuve>

STAYING IN LOUVAIN-LA-NEUVE

Martin's Louvain-la-Neuve ***

- Address: rue de l'Hocaille 1, 1348 Louvain-la-Neuve
- Location: in the centre of Louvain-la-Neuve, next to venue for the General Assembly
- Price: from 139€ per night
- Website: <https://www.martinshotels.com/en>

Ibis Styles Louvain-la-Neuve ***

- Address: Boulevard de Lauzelle 61, 1348 Louvain-la-Neuve
- Location: 1.5 kms from the centre of Louvain-la-Neuve
- Price: from 126€ per night
- Website: <https://all.accor.com/fr/city/hotels-louvain-la-neuve-v2373.shtml>

TRAVELLING IN LOUVAIN-LA-NEUVE

Louvain-la-Neuve is a city that is mostly pedestrian, cars are not allowed in the city centre. Therefore, all travelling is by foot. The conference will take place in the center of Louvain-la-Neuve.

More information : <https://en.tourisme-olln.be>

Organising Committee

Prof. Marthe Nyssens (UCLouvain Vice-rector “Transition et Society”)

Prof. Tom Dedeurwaerdere (UCLouvain LPTransition)

Pierre Mersch (UCLouvain Louvain4 Coordinator – Research Administration)

Prof. Pierre Stassart (ULiège, SEED)

Scientific committee

Prof. Isabelle Aujoulat (UCLouvain - Institut de Recherche Santé et Société)

Prof. Patricia Luis Alconero (UCLouvain - Institute of Mechanics, Materials and Civil Engineering)

Prof. Mathieu Berger (UCLouvain - Institut d'analyse du changement dans l'histoire et les sociétés contemporaines)

Prof. Annalisa Casini (UCLouvain - Institut de recherche en sciences psychologiques)

Prof. Tom Dedeurwaerdere (UCLouvain - Institut pour la recherche interdisciplinaire en sciences juridiques)

Prof. Florence Degavre (UCLouvain - Institut d'analyse du changement dans l'histoire et les sociétés contemporaines)

Prof. Julie Hermesse (UCLouvain - Institut d'analyse du changement dans l'histoire et les sociétés contemporaines)

Prof. Daniela Perrotti (UCLouvain - Louvain Research Institute for Landscape, Architecture and Built Environment)

Prof. Jean-Pierre Raskin (UCLouvain - Institute for Information and Communication Technologies, Electronics and Applied Mathematics)

Prof. Laurent Taskin (UCLouvain - Louvain Research Institute in Management and Organizations)

Prof. Sandy Tubeuf (UCLouvain - Institut de Recherche Santé et Société, Institute of Economic and Social Research)

Prof. Sophie Vanwambeke (UCLouvain - Earth and Life Institute)