

URCFORSR 2018 INTERNATIONAL CONFERENCE,
PALAIS UNIVERSITAIRE, STRASBOURG
DETAILED PROGRAMME



INTERNATIONAL
SUSTAINABILITY CONFERENCE
INCLUDING INNOVATION FORUM

Palais Universitaire, 9 Place de l'Université,
Strasbourg, France

Free registration:
urcforsr2018.sciencesconf.org



Thursday 27 September

- 13.15 Welcome
Posters will be on display in the Palais Universitaire aula for the entire duration of the Conference
- 13.30 – 14.30 Institutional addresses
Hans-Jochen SCHIEWER, President, EUCOR – The European Campus
Jay ROWELL, Vice-President in charge of Research, University of Strasbourg
TBA, Région Grand Est
Françoise BEY, Vice-President, Eurométropole
- 14.30 – 14.45 Introduction – Prof. Dr. Paul BURGER (*URCFORSR Cluster Chair, University of Basel, Switzerland*)
- 14.45 – 15.45 Keynote lecture – Prof. Dr. Janet HERING (*EAWAG – Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland*)
“The role of science in the decision to upgrade wastewater treatment plants for micropollutant removal: the Swiss case”
- 15.45 – 16.15 *Coffee break*

16.15 – 17.45 Parallel thematic sessions I

	Governance & Multiculturalism	Energy	Transformations & Resources
16.15 – 16.45	<p>Sihem DEKHILI <i>EM Strasbourg Business School, France</i></p> <p>“Comment renforcer l’écotourisme ? L’apport de la co-création avec le client”</p>	<p>Aida BOUDHAOUIA <i>University of Haute Alsace, Mulhouse, France</i></p> <p>”Collecting and analyzing data from autonomous IoT sensors with application to smart buildings”</p>	<p>Yanling ZOU <i>University of Freiburg, Germany</i></p> <p>“3D point cloud obstacle detection in forests”</p>
16.45 – 17.15	<p>Bernhard NEUMÄRKER <i>University of Freiburg, Germany</i></p> <p>“Social sustainability and sustainable governance in Europe: the euro-dividend”</p>	<p>Arian MAHZOUNI <i>Royal Institute of Technology, Stockholm, Sweden</i></p> <p>“Scaling up best practices of urban retrofit: the city district of Weingarten-West in Freiburg, Germany”</p>	<p>Abdou SOILHI <i>CIREC, Nogent-sur-Marne, France</i></p> <p>“Perceptions of local populations of Karthala forest and its protected area creation project: A cognitive mapping approach and social representation”</p>
17.15 – 17.45	<p>Melanie STRÖBEL <i>University of Koblenz-Landau, Landau, Germany</i></p> <p>“The role of lifestyle, quality of life preferences and culture for short- and long- distance leisure air travel”</p>	<p>Ines GAVRILUT <i>University of Freiburg, Germany</i></p> <p>“Regional concepts for an integrated, efficient and sustainable energy supply and storage system in the Upper Rhine Trinational Metropolitan Region (TMO)”</p>	<p>Olivier COURSON <i>University of Strasbourg, France</i></p> <p>“Characterized dissolved organic matter in the Seine river: an anthropic indicator way”</p>

17.50 – 18.50 Keynote lecture – Prof. Dr. Benjamin SOVACOOOL (*University of Sussex, Brighton, U.K.*)

“Ordering theories: Typologies and conceptual frameworks for energy transitions”

19.00 – 20.30 *Cocktail reception (offered to all conference participants)*

Friday 28 September

- 8.45 Welcome
Posters will be on display in the Palais Universitaire aula for the entire duration of the Conference
- 9.00 – 10.30 Parallel thematic sessions II

	Governance & Multiculturalism	Energy	Transformations & Resources (8.30 – 10.00)
9.00 – 9.30	<p>Joachim BECK <i>University of Applied Sciences, Kehl, Germany</i> Emmanuel MULLER <i>University of Strasbourg, France</i></p> <p>“Open government and regional policy innovation – some learnings from the Upper Rhine transborder co-operation”</p>	<p>Christelle ROY <i>University of Strasbourg, France</i> Alain DIETERLEN <i>University of Haute Alsace, Mulhouse, France</i></p> <p>“The Upper Rhine Region in a successful European energy transition”</p>	<p>Max ARNOLD <i>Karlsruhe Institute of Technology, Germany</i></p> <p>“A concept for identifying potential biomass conversion sites in the German federal state of Baden-Württemberg based on multi criteria analysis and geographic”</p>
9.30 – 10.00	<p>Klaus Markus HOFMANN <i>European College of Human Ecology, Emmendingen, Germany</i></p> <p>“Measuring the sustainability of regional transport systems”</p>	<p>Anke WEIDLICH <i>University of Freiburg, Germany</i></p> <p>“Integrated sustainability assessment and optimization of energy systems”</p>	<p>Natalie LANZRATH <i>Karlsruhe Institute of Technology, Germany</i></p> <p>“An estimation of hard coal transport costs in Germany”</p>
10.00 – 10.30	<p>Julia BLANC <i>University of Basel, Switzerland</i></p> <p>“Religion in sustainability transitions”</p>	<p>Margot PELLEGRINO <i>University of Paris-Est Marne-la-Vallée, France</i></p> <p>“Rome, an unexpected laboratory for implementing the energy transition”</p>	<p>Carmen SCHIEL <i>Karlsruhe Institute of Technology, Germany</i></p> <p>“Real option thinking: policy implications for environmental investments”</p>

10.30 – 11.00 *Coffee break*

	Governance & Multiculturalism	Energy	Transformations & Resources (10.30 – 12.00)
11.00 – 11.30	Philippe HAMMAN <i>University of Strasbourg, France</i> “Local governance of energy transition in north east France: sustainability, transactions and social ties”	Ann-Kathrin HESS <i>University of Basel, Switzerland</i> “Can at-home tailored energy advice contribute to changing household’s energy consumption routines? A randomized controlled trial”	Jon Marco CHURCH <i>University of Reims Champagne-Ardenne, France</i> “The project of a LTSER site driven by civil society in the Argonne”
11.30 – 12.00	Sophie LIZIARD <i>ENGEES, Strasbourg, France</i> “Can governance and legally binding rules live together? A study of rules productions in French local water committees”	Valérie TSCHAMBER <i>University of Haute Alsace, Mulhouse, France</i> “Experimental investigation on gaseous and particulate emissions from a residential wood stove in realistic operation”	Aurélie SCHULZ <i>University of Strasbourg, France</i> “Fate factor of engineered TiO ₂ nanoparticles in aquatic and terrestrial natural environments”
12.00 – 12.30	Emiliano SCANU <i>University Laval, Québec, Canada</i> “Urban climatic action and sustainability challenges: the Québec example”	Jan HERRMANN <i>University of Freiburg, Germany</i> “Global stress classification for materials used in solar energy systems”	Sébastien DAVID <i>University of Strasbourg, France</i> “Flocking asbestos wastes weathering by siderophores: a focus on pyoverdines efficiency”

12.30 – 14.00 *Buffet lunch (offered to all conference participants)*

14.00 – 16.00 Innovation forum (coffee from 15.30)

Joy MANGLANI (*Only Nature Endures, Mumbai, India*): “Creating a sustainable green planet by generating solar bio-energy from wastewater and waste”

Alexandra WOLF (*Staatliches Weinbauinstitut, Freiburg, Germany*): “VITIFUTUR - A transnational platform for applied research and further education in viticulture”

ROUND TABLE animated by Michel DE MATHELIN (*Vice-President in charge of business partnerships, University of Strasbourg*): “Example collaborations for sustainability between academia and the private sector: What makes a success story?”

16.00 – 17.00 Keynote lecture – Prof. Dr. Alexandra-Maria KLEIN (*University of Freiburg, Germany*)

“Biodiversity and ecosystem services in changing landscapes”

Poster list

- Afrah **Al-Mahfadi** and Mohamed Dakki (*Research Unit for Wetlands Management, Scientific Institute, Mohamed V. University, Rabat, Morocco*): “Main Threats of Coastal Wetlands in Yemen”.
- Luisa **Arango** (*UMR SAGE, University of Strasbourg, CNRS, France*), Guillaume Christen (*UMR SAGE, Strasbourg, France*), Aurélien Losser (*Institute of Ethnology, University of Strasbourg, France*): “Acteurs divers, savoirs multiples : la légitimation des connaissances dans la gestion des zones humides d’intérêt international en Afrique”.
- Emmanuel **Ballot** (*AMUP laboratory, ENSAS, Strasbourg, France*): “NESTERR2 Development of an urban sustainability evaluation tool at the territorial scale”.
- Valentin **Baudouin** (*UMR SAGE, University of Strasbourg, France*): De la durabilité vers la sobriété.
- Paul **Bois** (*ICube, CNRS, ENGEES, ZAEU, Strasbourg, France*), Jean-Nicolas Beisel (*LIVE, ENGEES, Strasbourg, France*), Carine Heitz (*UMR GESTE, ENGEES, IRSTEA, Strasbourg, France*), Marjorie Pierrette (*UMR GESTE, ENGEES, IRSTEA, Strasbourg, France*), Julien Laurent (*ICube, CNRS, Strasbourg, France*), Milena Walaszek (*ICube, CNRS, Strasbourg, France*), Adrien Wanko (*ICube, CNRS, Strasbourg, France*): “Sustainability of a blue and green corridor restoration - case study of the Ostwaldergraben”.
- Radhwane **Boukelouha** (*University of Constantine 3, Algeria*) and Nora Gueliane (*EHESS, Cems, CRH, Paris, France*): “Morphologie urbaine et Marchabilité : Quel projet urbain pour marchabiliser nos territoires urbains ? Cas de la ville nouvelle Ali Mendjeli à Constantine(Algérie)”.
- Sebastian **Brackhane** (*Upper Rhine Cluster for Sustainability Research, University of Freiburg, Germany*), Pierre Fluck (*University of Upper Alsace, Mulhouse, France*), Laurent Schmitt (*University of Strasbourg, CNRS, Strasbourg, France*), Patricia Holm (*MGU, University of Basel, Switzerland*) and Barbara Koch (*Professorship for Remote Sensing*): “Upper Rhine Science Trails”.
- Sebastian **Brackhane** (*Upper Rhine Cluster for Sustainability Research, University of Freiburg, Germany*), Claire Rambeau (*University of Freiburg, Germany*), Carmen De Jong (*University of Strasbourg, CNRS, France*), Karl Matthias Wantzen (*University of Tours, University of Strasbourg, France*), Frank Preusser (*University of Freiburg, Germany*) and Laurent Schmitt (*University of Strasbourg, CNRS, France*): “Think Tank Rhine River Ecosystems - Past, Present, Future”.
- Mariana **Calcagni** (*University of Freiburg, M.Sc Environmental Governance, Germany*): “Science-Policy Interfaces in transboundary water governance contexts: the case of the Catamayo ChiraBasin”.
- Marco **Church** (*HABITER-EA 2076, University of Reims Champagne-Ardenne, France*): “Analyzing the Governance of Large Ecosystems: Building on Ostrom’s SES Framework”.
- Mirella **Del Nero**, Guillaume Fleury, Olivier Courson, Anne Boos, Sylvia Meyer-Georg and Sylvie Massemin (*Hubert Curien Pluridisciplinary Institute, University of Strasbourg, IPHC, CNRS, UMR 7178, France*): “Investigating availability and ecotoxicological impacts of trace metal elements in soils: an interdisciplinary approach”.
- Hamida **Diab** and Abdelmadjid Chouabb (*LGRN, Badji Mokhtar University, Annaba, Algeria*): “Djebel El Had Iron Index: geological approach, geochemistry, mineralogical and structural contexts”.
- Sophie **Dorge** (*GRE, University of Upper Alsace, Mulhouse, France*): “SO_x trapping applications: evolution of the CuO/SBA-15 adsorbent performances along cycling experiments”.

- Mahfoud **Drouaz** (*PhD Student, University of Upper Alsace, Mulhouse, France*), Ali Moukadem (*Associated Professor, IRIMAS, IUT Mulhouse, France*), Bruno Colicchio (*Associated Professor, IRIMAS, IUT Mulhouse, France*), Alain Dieterlen (*Professor, IRIMAS, IUT Mulhouse, France*) and Djaffar Ould Abdeslam (*Associated Professor, IRIMAS, IUT Mulhouse, France*): “Time-frequency features applied on electrical transient signal classification”.
- Siham **Elaryf** (*Scientific Institute of Rabat, Morocco*): “Run-off Simulation with Two Methods Using HEC-HMS Model (Case Study: Bouregreg Watershed)”.
- Lionel Constantin **Fosso** (*University of Freiburg, Germany*), Karahalil Uzay (*Karadeniz Technical University (ktu)-Trabzon, Turkey*) and Huss Juergen (*University of Freiburg, Germany*): “Integration of Climate Change to Forest Management Practices: A comparative study of Forestry Professional’s perceptions and adaptation strategies elaborated in Souths Germany, Turkey and Cameroon”.
- Nora **Gueliane** (*PHD Student, CRH EHESS, Paris, France*): “Les nouveaux Ksour du M’Zab, l’exemple d’une participation citoyenne locale : cas du nouveau Ksar de Tinemmirine”.
- Stephan **Herminghaus** (*Max Planck Institute for Dynamics and Self-Organization, Germany*): “Mean-Field theory of ride sharing systems”.
- Emna **Jedidi** (*GRED, Institut de recherche pour le développement, Université Paul Valéry-Montpellier III, Université de Carthage, ISTEUB, UCAR, Sidi Bou Said, Tunisie*): “Des bonnes gouvernances pour une innovation urbaine des lotissements des Berges du Lac Nord de Tunis”.
- Ahmed **Jihad** (*Department of Education, Fallujah, Irak*): “The Role of Sustainable Development in The Design and Planning of Smart Cities Using GIS Techniques (Models of Arab Cities)”.
- Raphael **Klein** (*Management of Network Industries EPFL, EPFL, MIR Odyssea, Lausanne, Switzerland*): “Simulating transitions using policy process theories”.
- Behshad **Koohbor** (*Laboratory of HYdrology and GEochemistry of Strasbourg-LHyGeS, France*), Benjamin Belfort (*LHyGeS, INSU, University of Strasbourg, CNRS, ENGEES, France*) and Marwan Fahs (*LHyGeS, France*): “A semi-analytical solution based on Fourier series for dispersive Henry problem in an anisotropic and layered aquifer”.
- Jonathan **Ledy**, Mohammed Boudali, Joel Lambert, Jean-Philippe Lauffenburger, Thomas Sproesser, Abderazik Birouche, Benjamin Mourllion, Rodolfo Orjuela and Michel Basset (*IRIMAS, UHA, Mulhouse, France*): “SIMPHA: Solutions Innovantes pour la Mobilité individualisée et durable des séniors et Personnes présentant un Handicap”.
- Wibke **Muller** (*Forest and Environmental Policy, University of Freiburg, Germany*): “Water governance: Politicization of drought by farmers in Southern Germany over time”.
- Patricia **Munsch-Alatossava**, Tapani **Alatossava** (*Department of Food and Nutrition, University of Helsinki, Finland*): “N2 gas flushing of raw milk: perspectives for low-versus high-income countries”
- Claude Bertin **Nzoundja Fapi** (*LESIA, University of Ngaoundere, Cameroun*), Patrice Wira (*MIPS, University of Upper Alsace, Mulhouse, France*) and Martin Kamta (*LESIA*): “A comparative study of MPPT algorithms to optimal power extraction from a photovoltaic panel”.
- Stéphane **Ondo Ze** (*HABITER-EA 2076, University of Reims Champagne-Ardenne, France*): “Ecological appropriation of territorial margins in Central Africa: Skates and perspectives of the appropriation of the forest of Minkébé in the Northeast of Gabon”.
- Stephan **Parlow** and Paul Burger (*Sustainability Research Group, University of Basel, Switzerland*): “Dynamic & participative process towards sustainable development on city level with focus on sufficiency”.
- Florence **Rudolf** (*Architecture, Urban Morphology/Morphogenesis Project, National Schools of Applied Sciences, ENSA, Strasbourg, France*): “Cultural patterns in adaptation to Climate Change”.
- Julien **Spiegel**, Gilles Hermann and Patrice Wira (*MIPS, University of Upper Alsace, Mulhouse, France*): “Toward autonomous smart water meters”.
- Yacine **Triki** (*MIPS, University of Upper Alsace, Mulhouse, France*): “Adaptive Neural Control Based MPPT Methods in PV Systems”.

- Gwenaëlle **Trouve**, Cornelius Schonnenbeck and Jean-François Brillhac (*LGRE, University of Upper Alsace, Research Institute Jean-Baptiste Donnet, Mulhouse, France*): “Emission factors of gas and particle pollutants during the energy recovery of grape marc residues in a domestic boiler”.
- Sophie **Wodociag** (*University of Upper Alsace, University of Franche-Comté, CREGO, University of Bourgogne, France*) and Dominique Kern (*University of Upper Alsace, Mulhouse-LISEC, France*): “Examen des facteurs favorisant la rencontre intergénérationnelle et interculturelle dans un contexte transfrontalier”.
- Omkeltoum **Zidani** (*Laboratory of Functional Ecology and Environment, University of S.M. Ben Abdellah, Morocco-Team 'Humid Zones', Scientific Institute, Rabat, Morocco*): “Availability of data for the development of a database on the physicochemical quality of water in Moroccan wetlands”.
- Nabila **Zouaoui** (*LGRE, University of Upper Alsace, Research Institute Jean-Baptiste Donnet, Mulhouse*), Yasmina Hammiche-Bellal (*LMCCCO, Faculty of Chemistry, Bab Ezzouar, Alger*), Amel Benadda (*LMCCCO, Faculty of Chemistry, USTHB, Algeria*), and Amar Djadoun (*Laboratory of Geophysics, FSTGAT, USTHB, Bab Ezzouar, Algeria*): “Synthèse et caractérisation d'oxydes mixtes Fe-Co-O: Propriétés en oxydation catalytique”.

Organizing committee

Stéphane VUILLEUMIER, leader axis “Transformation processes & technologies”, University of Strasbourg

Philippe HAMMAN, leader axis “Governance”, University of Strasbourg

Amandine BRANDTNER, enabler axis “Governance”, University of Strasbourg

Chloé BOURGEOIS, enabler axis “Transformation processes & technologies”, University of Strasbourg

Grazia SCOCCA, organisation assistant, University of Strasbourg

Scientific committee

Paul BURGER, Cluster Chair, University of Basel, Switzerland

Barbara KOCH, Cluster Vice Chair, leader axis “Resource Management”, University of Freiburg, Germany

Wolf FICHTNER, co-leader axis “Energy, infrastructure & social change”, Karlsruhe Institute of Technology, Germany

Oliver FRÖR, leader axis “Multiculturalism & plurilinguism”, University of Koblenz-Landau, Germany

Armin GRUNWALD, co-leader axis “Energy, infrastructure & social change”, Karlsruhe Institute of Technology, Germany

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