



DEEPSURF2022

**ENERGY AND ECOLOGICAL
TRANSITION CONFERENCE**

**18-21 OCT. 2022
NANCY, FRANCE**

DEEPSURF Conference is a forum for scientific, political, and societal debate arising from the need to manage natural resources in a more sustainable way in the context of climate change and transition to green and renewable energies. Questions and challenges emerging from the Green Deal promoted by the European Union will be at the heart of the Conference.



IMPACT
DEEPSURF



THEMATICS

This second edition of the conference aims to invite researchers, industrialists and decision-makers from multiple disciplines to contribute to scientific and societal debates on the challenges of ecological and energy transition. The DEEPSURF conference aims to contribute to the dissemination of knowledge on complex ecosystems and to promote exchanges between disciplines to better understand the complexity of transitions.

PLENARY SESSIONS

Plenary sessions, with renowned speakers, will offer a global panorama of ecological and energy transitions, with specific focus on:

- > Energy, climate crisis, and conflicts
- > Reaching carbon neutrality, when and how?
- > Science and society in front of transition

TECHNICAL SESSIONS

Several technical sessions organized simultaneously will make it possible to get to the heart of the matter, with specific sessions focused on the subsoil, natural or anthropized soils, forests, water, and the impacts on society, territories, economy, and industry.



> **Use of subsoil for the energy transition**

including geothermal energy, geological storages (gases, wastes, heat, etc.), carbon capture utilization and storage (CCUS), natural risks, hydrogen production, low-emission hydrocarbons, metal for energy transition...



> **Soils in ecological transitions**

including ecological transition, soil ecosystem services, carbon storage in agricultural, forest, urban and industrial soils...



> **Forests and agriculture in the face of energy transition and climate change**

including carbon storage in the biosphere, optimization in forest management, agricultural land and wasteland, new practices...



> **Water management in the face of energy and ecological issues**

including surface and ground waters, pollutions, biological invasions, remediation and protection technologies, hydraulic energy, water management for nuclear energy...



> **Social perceptions, territorial impacts of energy and ecological transitions**

including social and political perceptions, territorial integration of energy projects, effects of industrial history on the future...



> **Science and citizens, new concepts for economy and industry**

including data sciences, mathematics applied to geosciences and/or environmental sciences, economics, participative science, cultural mediation...

FIELD TRIPS

Several field trips in the Grand Est region, included in the Conference Pack, will address the themes of resources (mining, ancient coal, oil and gas), geothermal energy, radioactive waste storage, nuclear energy, forest monitoring, and pollution of soils and their remediation.

Information:
October 18th - 21st 2022
at Centre des Congrès, Nancy, France

PROVISIONAL PROGRAM

Monday 17 th	Tuesday 18 th	Wednesday 19 th	Thursday 20 th	Friday 21 st
	Plenary session	Field trips of your choice in the Grand Est region	Plenary session	Plenary session
	Lunch		Lunch	Lunch
	Parallel thematic sessions		Parallel thematic sessions	Parallel thematic sessions
Icebreaker: cheese and wine	Gala dinner in the Grands Salons of Nancy city hall			

DEEPSURF Conference



Visit of the flux tower, equipped to measure exchanges of CO₂, water and energy between the atmosphere and a beech forest ecosystem

Conference sessions in Centre Prouvé



Gala dinner in the Grands Salons of Nancy city hall

Place Stanislas



KEY DATES

Call for abstracts: May 2022 - July 2022

Registration opening: May 2022

Program announcement and registration closure: October 2022

Visit deepsurf-ic.univ-lorraine.fr for further information

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