

Young researchers day "Infrastructure, Ecology, Landscape, Society, and Territory

8th of June 2023 – ENGEES (Strasbourg)

Call for proposal

The deadline for submission of proposals is 28 February 2023 - 12:00

Research on infrastructures raises key issues concerning the future of our societies and the territories they connect and structure. It examines the conditions for viable interaction between human activities and ecosystems. They also address how infrastructure development can be improved, especially concerning the effects they could induce on biodiversity, landscape, and people's well-being. Finally, they allow us to probe the sustainability of these relationships, by confronting them with socio-technical (methods of infrastructure use, innovations, etc.), ecological (climate change, land use change, resource peaks, etc.), and institutional (legal framework, budgetary pressures, public-private partnerships, etc.) challenges.

In this context, and in line with the European project Biodiversity and Infrastructure Synergies and Opportunities for European Transport Networks (BISON), which is holding its final seminar on June 5, 6, and 7, the national research programme Transport Infrastructures, Territories, Ecosystems and Landscapes (ITTECOP) and the European Network on Infrastructures and Ecology (IENE) are joining forces to organise an event dedicated to young researchers. PhD students, post-doctoral students (in progress), in engineering sciences, humanities and social sciences as well as life sciences, are expected to communicate on their current or recent work (less than three years). The event's objective is first to highlight a panorama of new themes and problems around infrastructures in their diversity (railways, roads, rivers, energy, ports or airports). Second, cross-multidisciplinary discussions with operational partners and confirmed researchers are expected.

This day is intended to promote exchanges on research themes, epistemological positions (particularly between fundamental research and research with operational objectives, on the status of the embedded researcher) and methodological questions. It also aims to encourage a meeting between French and foreign doctoral students, professionals, territorial actors, and laboratories. It is also an opportunity to present results intending to optimise the biodiversity-friendly creation of new infrastructures as well as the adaptation and long-term management of existing ones.

The day is open to young researchers (PhD students, post-doctoral researchers who defended their thesis within the last three years) in engineering sciences, humanities, and social sciences as well as in life sciences. Depending on the number of places available and the relevance of the proposed papers, doctoral students who have defended their work for 3 years may be selected. In addition to the scientific quality of the research work, the following criteria may be examined

- the interdisciplinary dimension ;
- the spatial and/or landscape dimension in the approach ;
- the intended use of the research with the innovative character of the approach from an operational point of view;
- the high-level scientific perspective of the problem;
- comparative international approaches.

This event will be free of charge. It may be listed in the references of the researchers who participated in it. Papers will be presented in French or English. Abstracts must be provided in both languages. Depending on the number of remaining places, young researchers presenting papers will be invited to participate in the BISON project's final seminar (<https://bison-transport.eu/>).

Objectives of the day

The objectives of the day include

- to highlight the innovative PhD programs on infrastructures (rail, road, river, energy, ports, airports) and their interactions with the territories in an holistic approach: socio-economic, environmental, landscape or heritage in order to reinforce exchanges and links between the concerned academic and professional sphere;
- to promote scientific research to practitioners and operational infrastructure stakeholders.
- to encourage young researchers to undertake work on infrastructures in their various environmental, landscape, social, or heritage dimensions and to encourage teachers and research centers to support them in this direction.
- to disseminate and open up the ITTECOP network and the IENE association.



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Thematic areas

The expected papers may deal with the analysis of infrastructure projects and/or adaptation, their management, and their whole life cycle, at local, national, or international levels. They should be in line with one or more of the following themes:

1. The conditions for reconciling infrastructure with the objectives of preserving/conserving landscapes and biodiversity, and responding to climate and energy challenges.

Papers will study innovative approaches to reconciling infrastructure, landscape and biodiversity conservation / management, considering regulatory frameworks, financial constraints, ecological issues, etc. Analyses of infrastructure "reconversion" situations, or at least extension of their functionalities, will be welcome ("eco-roads", coupling of linear infrastructure with ecological corridors, landscaping under HV lines, etc.).

Papers may focus on issues related to databases (accessibility, creation, dissemination, reliability), and the tools available to researchers and the public to manage these masses of data which have become considerable in the field of ecology and biodiversity.

2. The procedures used to build broad governance in the development of infrastructures, but also in the conditions of their management over the medium and long term.

In this respect, the papers will focus on the consultative and participative mechanisms, which involve operators, research communities, as well as any people affected by infrastructures (users, residents, neighbours, etc.). The goal is not simply to present the mechanism but to assess how it actually works (for example, how position statements can influence infrastructure construction and management).

3. A reflexive analysis of the conditions for the development of relations between the operational actors (sponsors, operators, etc.) and the communities of researchers associated with the project (life sciences, social sciences, etc.).

The papers will thus study the conditions and effects of cooperation between research and operational actors, with particular reference to the conditions of reciprocity in knowledge sharing. This concerns both the innovation generated by the development of new methods in response to local or technical conditions in relation to infrastructures and the progress in the field of support, whether in terms of acceptance or facilitation of new procedures, standards, or even regulations.

This axis is also open to reflections on the researcher's posture on these subjects, which mobilise heavy technical, spatial, economic, and ecological operational aspects.

Simply descriptive case studies should be avoided. Papers should emphasise interdisciplinary issues and be based on a rigorous literature review.

How to submit a proposal

The deadline for submission of proposals is 28 February 2023 - 12:00

Information and proposal submission on :
<https://ittecop.fr/fr/cat-actualites/item/1126-journee-jeunes-chercheurs-2023>

The response to the paper proposal will be given on **30 March 2023** and will be accompanied by the precise modalities of intervention (time allocated, schedules, workshop concerned), which will be defined according to the number of participants.

Selection of communications

The Organising Committee and the Scientific Committee are responsible for the selection of proposals for contributions and for the organisation of the event.

Organising Committee :

- Sophie Bonin - ENSP Versailles - President of the Scientific Council of ITTECOP
- Yannick Autret - MTECT- ITTECOP/IENE
- Charlotte Navarro - IENE/FRB
- Agnes Baccelli: RTE - CILB
- Judith Raoul-Duval - ZOGMA
- Nicolas Hette-Tronquart - OFB
- Pierre Taillant - ADEME

Scientific Committee

ITTECOP:

<https://ittecop.fr/fr/conseil-scientifique-cs>

IENE :

<https://www.iene.info/iene/> > Scientific and Expert Committee



ITTECOP
Infrastructures
de transports, territoires,
écosystèmes et paysages



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ET DE LA COHÉSION
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