

## CALL FOR ABSTRACTS

I.S.Rivers is an international conference dedicated to research and practices on natural and human-impacted large rivers. It aims at promoting multidisciplinary approaches and engaging all stakeholders.

**Submit your abstract – See you in Lyon, France, from 21st to 25th June, 2021!**



### Why participate in I.S.Rivers 2021?

**I.S.Rivers attracts research and management professionals, and promotes multidisciplinary approaches**

It allows French and international scientists, policymakers and technicians to present, discover and discuss the latest **scientific knowledge** and **case studies** regarding river hydrosystems. It is a chance to share the latest research, practices, implementation of local policies on different scales and geographical, social contexts: hydrographic districts (watershed), corridors, large cities, transition zones and estuaries.



**I.S.Rivers engages all stakeholders and builds links**

I.S.Rivers **stimulates European and international collaborations between scientists and river managers** for improving decision support and practices. By welcoming scientists, large river managers, residents, and by offering **French-English simultaneous translation** in all sessions and technical tours, I.S.Rivers **promotes knowledge transfer and helps build links between stakeholders**.

**Submit an abstract for I.S.Rivers 2021!**

**The heart of the conference is your expertise, perspectives and experiences**

By participating in the 4<sup>th</sup> I.S.Rivers, you will contribute not only to the conference, but also to the evolution of knowledge and practices towards a better sustainable and integrated river management. It is, indeed, around your research, action and case studies that the conference is built.

**An opportunity to enhance your work**

A diversity of possible presentation formats will enable you to present in a way that suits the nature of your project. Extended abstracts (2-3 p.) will be included in the conference proceedings and on the I.S.Rivers website. Scientists will also have the opportunity to submit their contribution to a recognised international journal.



### I.S.Rivers: a unique occasion in Europe to...

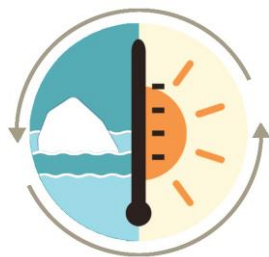
- Provide an overview of worldwide river management and restoration practices.
- Discover the most recent developments regarding knowledge, methodology and decision support tools, integrating research results, for a sustainable management of rivers.

### I.S.Rivers includes...

- Specialised workshops on Monday June 21<sup>st</sup>.
- 3 conference days from 22<sup>nd</sup> to 24<sup>th</sup> June, 2021:
  - 200 presentations expected (oral and poster), with works from more than 30 countries, incl. 1/3 from European countries. 50% of presentations are scientific and 50% are case studies.
  - Plenary sessions presenting innovative approaches and highlighting some of the world's rivers.
- Technical tours on Friday June 25<sup>th</sup> for a half or full day.

### I.S.Rivers 2018 in a nutshell

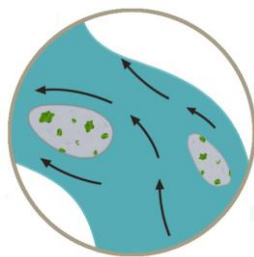
525 participants – 23 countries  
 50% scientists, 26% local authorities,  
 18% private companies, 7% NGOs  
 2.5 days of conferences - 220 oral and poster  
 presentations - 70 rivers represented  
 Prestigious keynote speakers at the opening and  
 closing plenaries - 3 specialised workshops -  
 4 technical tours



## TRAJECTORIES AND ADAPTATION TO GLOBAL CHANGE

### Co-evolution of rivers and society

- **Retro-observations and trajectories**
  - Biophysical history, sedimentary archives, ecological dynamics
  - History of pollutions
  - History of humans and their environment
  - Evolution of public policies, river management and planning practices
- **Sanitary and climate crisis and evolution of our links with the river**
- **Adaptive management and planning in the context of global change**
  - Identifying and modelling changes
  - Adapting to changes
  - Sharing water and managing structures



## RIVER FUNCTIONING, QUALITY AND SERVICE

### From bioindication to river good status

- **River quality**
  - Hydromorphological and thermal alterations
  - Chemical pressures
  - Plastic waste pressures
  - Functional bioindicators
  - Effects and management of hydropeaking, sediment flushing, and maintenance practices
- **Taking into account connectivity**
  - Ecological and sediment continuity
  - From erodable to optimal functioning corridors
- **Ecosystem services**
  - Assessment methods
  - Implementation at the watershed scale
  - Communication issues



## ECOLOGICAL RESTORATION AND MANAGEMENT ISSUES

### Feasibility, evaluation, strengths and policy issues

- **Action planning and hierarchisation**
  - Basing action on local knowledge
  - Methods and practices for action prioritisation
  - Regionalised diagnosis
- **Restoration steps**
  - Risk analysis, feasibility study
  - Prediction of socio-ecological dynamics
  - Stakeholder involvement in projects
- **Avoid, reduce, offset**
  - Conservation methods and practices
  - Ecological engineering innovations
- **Innovative monitoring and assessment strategies**
  - Efficiency of measures
  - Restoration monitoring, long term surveys



## RIVERS AND HUMAN IN INTERACTION

### Perception, governance, values, fair management

- **Environmental commitment and its levers**
  - Motivation factors in favour of rivers' restoration and preservation
- **Rivers as growth levers for territories**
  - On the watershed scale
  - On the local scale (metropolis...)
- **The rivers role in the city well-being**
- **Governance**
  - Borders and territoriality
  - Legal entity of rivers
  - Perceptions, representations, values associated to rivers
  - Participation and stakeholder interactions
  - Public involvement in river policy
- **Fair and integrated management**
  - Multiple river uses
  - Hierarchisation of issues
  - Social reappropriation of a common good
- **Scientists in the service of action**
  - Scientific expertise and involvement
  - Rivers and scientific mediation

# Call for abstracts

## Expected contributions

### Scientific contributions

Contributions that focus on our understanding of the evolution and complexity of rivers, with particular emphasis on environmental and socio-economic implications, to inform possible management strategies. These presentations will illustrate experiences of collaborative intervention, between different stakeholders, to further knowledge and integrative action.

### Case studies

Presentation of case studies, contexts, strategies and innovative actions at different spatio-temporal scales, with the site-specific focus enabling the transferability of findings to be discussed. Approaches that combine scientific and operational viewpoints with scientific analysis of their associated environmental benefits will be particularly welcomed.

### Prospective contributions

Introducing new concepts to better understand river complexity and associated processes for management.

## To submit an abstract

You may fill a [declaration of intent](#) [via the online form](#) by October 8<sup>th</sup>, 2020.

*> In the actual context, this step is essential for us. It will allow us to adjust the conference format.*

Your **final contribution (extended abstract)** must be submitted by November 15<sup>th</sup>, 2020. Please ensure that your proposal fits the I.S.Rivers 2021 themes. It must, on the first page, include a French-English translation of the title and of the 10-line summary (we can undertake this translation – rate TBC – if required, after the abstract selection), and will be followed by an extended abstract (2 pages maximum). This extended abstract must be written in French or English, and comply with the [instructions](#) and the [I.S.Rivers template](#).

## Selection

The scientific committee, made up of 19 members, with the support of external scientific and technical experts, will select the final contributions and divide them into oral and poster presentations.

The abstract selection will take into account the following criteria:

- Connection with the conference themes,
- Innovation (approach originality, subject interests, results never presented before, ...),
- Quality of the presented work (including literature studies for the scientific contributions),
- Experience and information transferability,
- Clarity of the proposal (approach, aims, conclusions and drafting quality).

## Publish in a partner journal

For this 4th edition, partnerships are ongoing with the international journal *Anthropocène* (Elsevier) and the French journal *Techniques Sciences Méthodes -TSM* (Asteé).

By taking part in I.S.Rivers 2021, you will have the opportunity to submit your paper to one of these two journals. The article will have to be submitted before the conference (June 2021) and will be evaluated by each journal Scientific Committee.

## Sanitary situation : I.S Rivers will adapt with the flow!

We consider doing the I.S.Rivers 2021 conference with an in-person format if sanitary conditions allow us to organize it.

In order to adjust the conference format, thank you to specify if you already have travel constraints known for 2021 (persons at risks, company rules, etc.)

## Key dates

Declarations of intent: 8<sup>th</sup> October, 2020  
Extended abstracts: 15<sup>th</sup> November, 2020  
Notification of acceptance: February, 2021  
Dates of the conference: 21<sup>st</sup> to 25<sup>th</sup> June, 2021

# Partners

## Technical and financial partners



## International associations

AISH\* - AIVP - CIREF – CIRF - ECRR – EurAqua\* - IAG\* - IAHR - International River Foundation\* - ISRS\* - OIEau\* - SER Europe\* - SIL\* - Unesco HELP\*

## French associations

AFL – ANEB - ASTEE – CDR CE\* - CFBR\* - FCEN\* - LE RUCHE – PFE\* - RNF\* - SHF\*

## Scientific committee

### Chairs:

Laurent Simon, Université Lyon 1, FRANCE – Hervé Piégay, CNRS-ENS Lyon, FRANCE – Marylise Cottet, CNRS-ENS Lyon, FRANCE – Nicolas Lamouroux, Inrae Lyon, FRANCE

**Members:** Teresa FERREIRA\*, Instituto Superior de Agronomia, Portugal – Nicolas FLIPO\*, Ecole des Mines de Paris, France – Futoshi NAKAMURA, Hokkaido University – Japan – Jean-Luc PROBST, CNRS, Université de Toulouse – France – Christiane ZARFL, Eberhard Karls University of Tübingen, Germany – Rafaela SCHINEGGER, University of Natural Resources and Life Sciences (BOKU), Austria – Stephan KRAUSE, University of Birmingham, UK – Martin PUSCH\*, IGB Berlin, Germany – Rebecca LAVE\*, Indiana University Bloomington, USA – James BRASINGTON, University of Canterbury, New Zealand – Anne CHIN, University of Colorado Denver, USA – David MILAN, University of Hull, UK – Christine WEBER, EAWAG, Switzerland – Marina GARCIA LLORENTE\*, IMIDRA, Spain – Maria Cristina BRUNO, Fondazione Edmund Mach, Italy

## Steering committee

**General secretaries:** Elodie BRELOT, Directrice du GRAIE et Anne CLEMENS, Directrice de la ZABR

**Members :** Agence de l'eau RMC, Isabelle Eudes – ASTEE, Nicolas Chantepy – CNR, Marie Bearez et Thomas Pollin – DREAL Auvergne Rhône-Alpes, Yves Meinier – EDF, Isabelle Jacquélet – Feder Plan Rhône, Eléonore Vandel et Hervé Coquillart – Métropole de Lyon, Olivier Pillonel et Matthieu Hervé – H2O Lyon, Christophe Douady – Office français de la biodiversité, Josée Peress – Région Auvergne Rhône-Alpes, Alain Martinet – Région Bourgogne-Franche-Comté, Antoine Werochowski – Région Sud, Olivier Nalbone – SGAR, Catherine Prudhomme et Katherine Bazouin – SHF, Didier Roult\* – VNF, Olivier Norotte\*

\* to be confirmed for I.S.Rivers 2021