



## CALL FOR ABSTRACTS

NOVATECH promotes strategies and solutions for integrated and sustainable water management in cities, with a focus on stormwater management. It aims to integrate diverse approaches and encourage dialogue between all actors.

See you in Lyon, France, from 1-5 July 2019!



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### Why attend Novatech?

**Novatech attracts professionals of all levels and from a diverse range of disciplines.**

It allows French and international scientists, policy-makers and technicians to present, discover and discuss the latest research, innovations and outlooks, and to share their experiences. It is a chance to meet the leading international specialists and practitioners.

**Novatech builds bridges between disciplines and approaches.**

By welcoming both water professionals - specialists in drainage and aquatic environments - and urban planning and design professionals - urban planners and designers, strategic planners, landscape architects, architects and sociologists - who share land planning and management - Novatech supports the building of a more integrated water management culture, contributes to knowledge transfer and encourages the evolution of practice in all disciplines who play a role in managing water in the urban landscape.

### Submit an extended abstract for Novatech Lyon 2019

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

By participating in the 10<sup>th</sup> Novatech in Lyon (France), you will contribute not only to the conference, but to the evolution of knowledge and practice towards a better sustainable and integrated urban water management. It is, indeed, around your research, implementation and case studies that the conference and exchanges among participants are built.

**The conference is an opportunity to have your work recognised**

A diversity of possible presentation formats will give you the opportunity to present in a way that suits the nature of your project. Presentations will be included in the conference proceedings and on the Novatech website. The finalists of the Novatech Awards 2019 will be showcased in the technical press.

### Novatech: a unique occasion in France to...

- Provide an overview of practices in cities across the globe, in terms of urban planning, incentives and regulatory policies for sustainable urban water management.
- Identify the most recent innovative technical solutions, integrating research results, for the sustainable management of urban water, addressing issues of flooding, impacts on aquatic environment and soil contamination, as well as health risks.

3 conference days from Tuesday 2<sup>nd</sup> to Thursday 4<sup>th</sup> July: 200 presentations expected, oral and posters, representative of research and practices in more than 30 countries, 1/3 from European countries. 60% of presentations are scientific, and 50% are case studies.

### Novatech is also...

- Plenary conferences to draw on broader perspectives for urban water sustainable management.
- The Novatech Awards, to reward innovative urban planning projects in the field of urban water management, as a response to constraints of urban renewal.
- Workshops on Monday 1<sup>st</sup> July, and field tours on Friday 5<sup>th</sup> July.

### Novatech 2016 figures

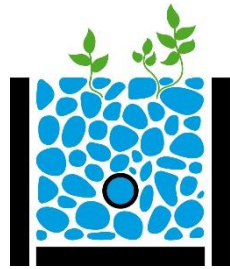
500 participants - 32 countries represented - 43% scientists, 1/4 government agencies, 1/3 private enterprises - 3 conference days - 200 presentations - Prestigious keynote speakers at the opening plenary - The Novatech Awards - 6 interactive sessions - 4 technical tours - 4 specialised workshops

# Novatech 2019 contribution themes

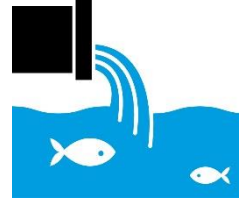
Novatech 2019 is organised around 4 complementary themes, which cover a diversity of perspectives; from the planning of a new neighbourhood to flood risk management at the watershed scale; from presentation of the latest research to the application of innovative solutions in practice; from the perception of stormwater by the community to the challenges of new governance models. The four themes are:



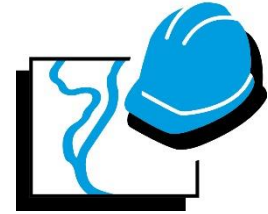
## STORMWATER AND URBAN PLANNING



## TECHNICAL SOLUTIONS FOR STORMWATER MANAGEMENT



## STORMWATER, POLLUTION AND WATER QUALITY



## STORMWATER, STAKEHOLDERS, ORGANISATIONS AND SOCIETY

**From the plot to neighbourhood scale, what designs, strategies and practices for an integrated management of urban stormwater?**

- The role of water in creating a new urban landscape
- Multifunctional approaches: climate, biodiversity, urban amenity & ecosystem services
- Urban design and planning: issues, opportunities and solutions
- Strategies for water-wise cities at municipal or catchment scale

*> Contributions proposed by urban planning and urban drainage professionals and scientists*

**What technologies and tools to build and manage sustainable cities?**

- Stormwater infiltration, evaporation, collection and treatment: innovations, case studies
- Maintenance and operation; managing stormwater and its by-products
- Metrology, spatial mapping and integrated modelling

*> Contributions proposed particularly by scientists and technical specialists*

**Urban wet weather flows: what global strategies to limit the risks?**

- Monitoring and characterisation of stormwater quality and hydrology, including emerging pollutants and pathogens
- Integrated strategies of urban planning controls and stormwater management at the watershed scale

*> Contributions proposed by both scientists and managers of aquatic environments, along with planners and drainage managers working at the catchment-scale*

**Skills, services, responsibilities, uses – do we need different organisations and regulations?**

- New jobs in conception, production and management of urban spaces with multiple vocations
- Involvement of the operators and the users, perceptions, sharing of a transverse vision and keys for change
- Definition of regulatory frameworks and economic patterns for a more sustainable management of the water in the city; integrated across various scales
- Regulatory frameworks and social, economic and financial challenges of sustainable stormwater management

*> Contributions proposed particularly by social scientists and professionals of public policies & planning*



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# Call for abstracts

## Contributions expected – 2 categories

### Scientific and technical proposals: Urban stormwater management

Presenting methods or results of research, with a clear link to practical operation or experience, and based on literature studies, laboratory experiments, modeling or field-based studies: innovative technical projects which include an evaluation of performance and performance against criteria, reporting; long term operational experience, comparisons of different strategies, scales and approaches (structural or non-structural); thoughts on governance and keys for change.

### Case studies and Awards: Integration of stormwater management in urban planning, policy and projects

Urban planning, design and architecture projects; planning and public policies, from precinct to watershed scale. These illustrative presentations will highlight the challenges and opportunities of integrating stormwater management into the urban landscape, combining several aspects (technical, economic, financial, historical, regulatory, social, etc.).

## To submit an extended abstract

Your extended abstract must be [submitted online](#) by December 1<sup>st</sup>, 2018. Please ensure that it matches the Novatech themes. It must be written in English or French, and conform to the [author guidelines](#) and the [Novatech template document](#). 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 selection).

### Your extended abstract must be 2 to 4 pages long max.!

This format is particularly suitable for the review; It reduces the (substantial) workload on reviewers and helps final selection to build the detailed conference programme. The extended abstracts will be published online. This short format will avoid difficulties for authors regarding any further scientific publications, outside Novatech.

## Key dates

Extended abstracts:

December 1<sup>st</sup>, 2018

Notification of acceptance:

March 1<sup>st</sup>, 2019

Conference:

July 1-5, 2019

## Selection

### For scientific and technical papers

The scientific committee, with the support of several working groups of the IWA/IAHR Joint Committee on urban drainage and of technical and scientific experts, will select the extended abstracts and divide them into oral and poster presentations. The selection will take into account the following criteria:

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

### For case studies and Awards

The organising committee will take into account the following criteria for the case studies and Awards selection:

- Integration of stormwater management in the project and connection with the Novatech themes
- Innovation
- Transferability and potential to provide lessons for broader application
- Clarity of the proposal

The Novatech Awards will reward and highlight projects in the public realm, along with strategies and policies integrating stormwater management, French or international, in 3 categories: Urban renewal – Town planning strategies – Participation and citizen appropriation.

At your disposal:

- [the Awards 2019 guidelines](#)

- [the Novatech Awards 2016](#)

Participate in the Novatech Awards 2019!



# Partners

Co-organised by GRAIE and INSA Lyon, Novatech 2019 is supported by several partners.

## Novatech in Lyon: the expertise of a pilot city

The organisation of Novatech in Lyon draws on the sustainable stormwater management approach initiated by the city of Lyon, providing attendees the opportunity to experience:

### An internationally recognized regional network of expertise and research:

- H<sub>2</sub>O'Lyon - Graduate School of Integrated Watershed Sciences (SiWaS)
- OTHU - Field Observatory for Urban Water Management
- IMU - Labex Intelligences des Mondes Urbains ("Smartness on Urban Worlds")
- GRAIE - Novatech organiser since 1992.

### The city of Lyon - A pilot city:

- A model for sustainable stormwater management, developed over 30 years
- Many experimentations for a permeable city, to tackle urban heat islands, but also a "Water and Health" platform, where the place of stormwater is valued
- First French city to endorse the "IWA Principles for Water-Wise Cities" during the Brisbane launch in 2016

**graie**



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## Technical and financial partners\*



## Supported by\*



## Partner associations \*

IWA/IAHR Joint Committee on Urban drainage - IWA - IAHR - PHI Unesco - IAHS - ADIVET - AXELERA - FNAU - URCAUE - AGéBio - OIEAU - SFU - SHF

## Scientific committee (2016 edition<sup>o</sup>)

Chairs: Jean-Luc BERTRAND-KRAJEWSKI, INSA Lyon, FRANCE - Tim D. FLETCHER, The University of Melbourne, AUSTRALIA

Members: Karsten ARNBJERG-NIELSEN, Danmarks Tekniske Universitet (DTU), DENMARK - Alberto CAMPISANO, University of Catania, ITALY - François CLEMENS, Delft University of Technology, THE NETHERLANDS - Nilo DE OLIVEIRA NASCIMENTO, Universidade Federal de Minas Gerais, BRAZIL - Raphaëla DE SALDANHA MATOS, Laboratório Nacional de Engenharia Civil (LNEC), PORTUGAL - Hiroaki FURUMAI, University of Tokyo, JAPAN - William F. HUNT, North Carolina State University, USA - Jiri MARSALEK, Nat. Water res. Institute (NWRI), CANADA - Wolfgang RAUCH, University of Innsbruck, AUSTRIA - Manfred SCHÜTZE, Institut für Automation und Kommunikation (ifak), GERMANY - William SHUSTER, United States Environmental Protection Agency, USA - Virginia STOVIN, The University of Sheffield, UK - Bruno TASSIN, CERVE - ENPC, FRANCE - Andres TORRES, Pontificia Universidad Javeriana, COLOMBIA

## Organisation committee (2016<sup>o</sup>)

General secretary: Elodie BRELOT, GRAIE Director

Adivet, Marc LACAILLE, Raphael LAMÉ - Agence de l'Eau Rhône Méditerranée Corse, Fabien ABAD - Agence d'urbanisme de l'aire métropolitaine lyonnaise, Philippe MARY, Damien SAULNIER - ASTEE, Marie-Agnès CHAPGIER-LABOISSIERE - Atelier LD, Didier LARUE - CEREMA, Nathalie LE NOUVEAU, Muriel SAULAIS - DREAL Rhône-Alpes, Jérôme CROSNIER - Eurydice (INSA Lyon), Sylvie BARRAUD - LabEx "Intelligences des Mondes Urbains", Jeanne CARTILLIER - La Métropole de Lyon, Laurence CAMPAN, Elisabeth SIBEUD - Onema, Céline LACOUR, Alice REUILLON - SHF (INSA Lyon), Jean-Luc BERTRAND-KRAJEWSKI - Suez, Eau France, Catherine AZZOPARDI, Catherine SAVEY - Safege-Suez Environnement, Muriel FLORIAT - The University of Melbourne, Tim FLETCHER - Veolia Eau, Laurent BAUMANN

\* 2016 partners – to be confirmed for 2019

<sup>o</sup> 2019 committees in preparation