



Horizon 2020 European Dialogue and Clustering Action  
***Transforming cities, enhancing wellbeing: innovating with  
nature-based solutions***

*A Coruña (Spain), 16-18 May, 2018*

Fundación Barrié, Cantón Grande, 9, A Coruña

# DESCRIPTION OF THE SESSIONS

## PLANNING

16<sup>th</sup> May 2018

Topic: "Sustainable urbanization in cities and restoration of degraded ecosystems"

17<sup>th</sup> May 2018

Topic: "Robust assessment of NBS impacts: creating the evidence base to inform urban policy-making"

18<sup>th</sup> May 2018

Topic: "Enhancing innovation potential through new governance and funding models for NBS"

### OPENING CEREMONY & KEYNOTES

*European research and innovation in climate change adaption*

### INSPIRATIONAL KEYNOTES

*Towards a reference framework for nature-based solutions: challenges and opportunities*

### NATURE-BASED SOLUTIONS FINANCING AND BUSINESS MODELS FOR SUSTAINABILITY

### CITIES SUMIT (I)

*Parallel sessions*

### IMPACTS OF NBS: DEVELOPING THE EVIDENCE BASE

### CO-CREATION AS GOVERNANCE FOR EMBEDDING NBS IN CITIES

### COFFEE BREAK

### COFFEE BREAK

### COFFEE BREAK

### CITIES SUMIT (II)

### CITIES SUMIT (III)

### CITIES SUMIT (V)

### LUNCH

### LUNCH

### LUNCH

Nature - Based Enterprise Expo and Pitch Battle // Poster Exhibition

Nature - Based Enterprise Expo and Pitch Battle // Poster Exhibition

Pitch Battle Prize: "Most Innovative NBE 2018" // Poster Exhibition

### EU-BRAZIL SECTOR DIALOGUE ON NBS

### CITIES SUMIT (IV)

### CITIES SUMIT (VI)

PAVING THE WAY FOR SHARING THE EUROPEAN NBS EXPERIENCE WITH THE WORLD

OVERCOMING BARRIERS, ENHANCING BEST PRACTICE

OVERCOMING BARRIERS, ENHANCING BEST PRACTICE CLOSURE

OVERCOMING BARRIERS, ENHANCING BEST PRACTICE

EARLY CAREER WORKSHOP

EXCURSION TO A LOCAL NATURE BASED-SOLUTION

EU R&I TASKFORCE MEETINGS

A CORUÑA GUIDED CITY TOUR

## Wednesday 16th May

TIME

*Topic of the day*

### SUSTAINABLE URBANIZATION IN CITIES AND RESTORATION OF DEGRADED ECOSYSTEMS

8:00	REGISTRATION OF PARTICIPANTS
09:00-09:30	<p style="text-align: center;"><b>OPENING AND WELCOME</b></p> <p><b>Julio Abalde Alonso</b>, Rector of the University of Coruna, Spain</p> <p><b>Miguel Aymerich</b>, Deputy Director General of Natural Environment, Ministry of Agriculture and Fisheries, Food and Environment, Spain</p> <p><b>Beatriz Mato Otero</b>, Conselleira de Medio Ambiente e Ordenación do Territorio, Xunta de Galicia, Spain</p> <p><b>Xulio Ferreiro</b>, Mayor of A Coruña City Council, Spain</p> <p><b>Nikos Nikolaidis</b>, THINK NATURE, Technical University of Crete, Greece</p> <p><b>Ricardo Garcia Mira</b>, President of the International Association of People-Environment Studies, University of A Coruña, Spain</p> <p><b>Adina Dumitru</b>, CONNECTING NATURE, University of A Coruña, Spain</p>
09:30-10:00	<p style="text-align: center;"><b>EUROPEAN RESEARCH AGENDA FOR NATURE-BASED SOLUTIONS</b></p> <p><b>Josefina Enfedaque</b>, DG Research and Innovation, European Commission, Belgium</p> <p><b>Giovanni Fini</b>, Co-Chair of the EU Urban Agenda Partnership on Land-use and Nature-based solutions, City of Bologna, Italy</p> <p><i>Presenter:</i> <b>Adina Dumitru</b>, University of A Coruña, Spain</p> <p><i>Note taker:</i> <b>Siobhan McQuaid</b></p>
10:00-11:30	<p style="text-align: center;"><b>CITIES SUMMIT (I) <sup>1</sup></b></p> <p style="text-align: center;"><i>Parallel sessions</i></p>
	<p style="text-align: center;"><i>Nature-based solutions at different scales</i></p> <p><b>Anna Levonmaa</b>, City of Tampere, Finland</p> <p><b>Maria Rosario "Cherry" Chan</b>, Lafarge Holcim, Switzerland</p> <p><b>Christian Artelt</b>, European Construction, built environment and energy efficient building Technology Platform, Belgium</p> <p><b>Tom Armour</b>, Arup Landscape Architecture, United Kingdom</p>

<sup>1</sup> *Cities Summit parallel sessions consist of 45 minutes of presentations and 45 minutes of discussion with participants.*

*Discussant:* **Denia Kolokotsa**, Technical University of Crete, Greece

*Note taker:* **Katerina Lili and Isabel Lema-Blanco**

**Description of the session.** The scope of this session is to collect information about the NBS infrastructure focusing on buildings at district and city level. Specifically, the case studies should be highlighted, emphasizing in the advantages and barriers resulting from the development of NBS. It should also be made clear how the NBS affected the human health and wellbeing and the global working potential.

The subtopics that will be discussed are the following: Green walls, Green roofs, Rain gardens (focusing on buildings and individual infrastructure); Meadows, Urban trees and woodlands (district level); Re-use of abandoned green and grey areas (district level); New materials for NBS: which are they and their benefits linked to the region of utilization, sustainability of materials as well as biotic materials (Plants and abiotic materials and their sustainability, especially GWP (Global Warming Potential))

**Audience targeted:** Researchers / City Planners / Market Actors & Businesses / Architects

### *The role of Cultural Heritage in renaturing cities: Learning from the past, designing for the future*

**Matthias Ripp**, Brandenburg University of Technology Cottbus-Senftenberg, Germany

**Aitziber Egusquiza Ortega**, Tecnalia, Spain

**Giovanni Fini**, City of Bologna, Italy

*Discussant:* **Sara Van Rompaey**, E2ARC, Belgium

*Note taker:* **Eleni Goni and Rafaella Lenoir-Improta**

**Description of the session.** Cultural Heritage is a key component of European cities. The scope of this Session is to highlight the importance of introducing Cultural Heritage in an integrated approach for renaturing cities. Nature Based Solutions taking into account and inspired by Cultural Heritage will be presented through different Case Studies. The co-benefits of using cultural heritage as a driving force in renaturing cities will be analysed whereas best practices as well as failure factors will be explored. Innovative approaches and recommendations towards the upscaling of NBS with respect to Cultural Heritage will be identified. All the above will be achieved through three brainstorming exercises which will allow the valuable exchange of knowledge and experiences between the participants and the invited speakers/ moderators.

The anticipated outcomes of the sessions include feedback regarding: Identification of the co-benefits of using cultural heritage as a driving force in renaturing cities; Examples of NBS case studies using Cultural Heritage in renaturing cities; Analysis of barriers (eg financial, technical, technological, legislative); Presentation of best practices; Recommendations regarding EC policy and R&I priorities

**Audience targeted:** Researchers, City planners, Architects, Landscape Architects, Representatives of local authorities, Heritage experts, Policy makers

### *Actions on the regional and local levels. What can ThinkNature do – the Platform, the regional Think&Do Tanks and the Local Representatives?*

**Mihai Razvan Nita**, University of Bucharest, Romania

**Zuzana Hudekova**, Bratislava Municipality, Karlova Ves, Slovakia

**Alice Reil**, ICLEI Europe, Germany

**Gillian Dick**, City of Glasgow, Scotland

*Discussant:* **Juraj Jurik**, Global Infrastructure Basel Foundation (GIB), Switzerland

*Note taker:* **Marleen Lodder**

**Description of the session.** The scope of this session is to collect information about how Nature-Based Solutions (NBS) could successfully proliferate at the regional and local level. More specifically,

the session aims to set the stage for a systematic mainstreaming and institutionalisation of NBS, by assisting local authorities (and others stakeholders) to integrate these new approaches into their development plans, policies and strategies. The session also aims to explore the drivers and barriers to a further integration of NBS. One of the key questions is how ThinkNature Platform and the members of the platform can assist and make mainstreaming easier.

**Audience targeted:** Researchers, City planners, Architects, Market Actors & Businesses

11:30-  
12:00

COFFEE BREAK

12:00-  
13:30

CITIES SUMMIT (II)<sup>2</sup>

*Parallel sessions*

### *Innovative techniques for restoring and reclaiming rural land*

**Paula Novo**, Scotland Rural College, UK

**Heather Elgar**, West England Nature Partnership, UK

**Polona Pengal**, Revivo Institute for Ichthyological and Ecological Research, Slovenia

*Discussant:* **Steve Banwart**, University of Leeds, UK

*Note taker:* **Benjamin Rabb**

**Description of the session.** Participants will be introduced to a few case study examples of where innovative NBS techniques have been used for restoring and reclaiming rural land. These example restoration and reclamation techniques will be practical and policy related, each with the purpose of providing co-benefits to the urban environment and inhabitants. Following this brief introduction, the session will guide participants through a structured process of: Identifying their own examples of innovative NBS techniques for restoring and reclaiming rural ecosystems; Assessing the potential of innovative NBS techniques to make an impact (e.g. through multiple co-benefits in urban areas); Exploring how demonstration projects and research & innovation can accelerate uptake; understanding policy barriers to mainstreaming.

**Audience targeted:** Researchers, City planners, Architects, Market Actors & Businesses, Policy-makers

### *Benefits of ecosystem restoration*

**Fernando Magdaleno**, Centre for Studies and Experimentation on Public Works (CEDEX), Spain

**Victor Beumer**, Deltares, Netherlands

**Veronica Ruiz**, IUCN-International Union for Conservation of Nature, Switzerland

*Discussant:* **Stavros Stagakis**, Foundation for Research and Technology, Greece

*Note taker:* **Nektarios Chrysoulakis and Isabel Lema-Blanco**

**Description of the session.** The session will include introductory talks by ecosystem restoration

<sup>2</sup> *Cities Summit parallel sessions consist of 45 minutes of presentations and 45 minutes of discussion with participants.*

experts, panel discussion and brainstorming by the participants. The scope is to exchange knowledge on the benefits of NBS activities on ecosystem restoration. The state-of-the-art on the types and methods of ecosystem restoration will be presented and discussed, focussing on innovative NBS practices and specific NBS case studies. Some of the topics covered by the session will be: Best practices and exemplary NBS case studies of ecosystem restoration; Multiple benefits per NBS action and ecosystem type; Prioritization of NBS activities per region, targeting to maximum benefit; Technology readiness level and technical solutions for NBS deployment in ecosystem level; Upscaling/replication methods; Barrier identification.

**Audience targeted:** Researchers, City planners, Architects, Market Actors & Businesses, Engineers, Ecosystem management actors, Policy makers, End-users & Authorities

### *The role of ecosystem restoration in increasing resilience and contributing to human wellbeing*

**Peter de Ruiter**, University of Amsterdam, Netherlands

**Marco Fritz**, European Commission, Belgium

**Frederic Lemaitre**, Biodiversa, France

*Discussant:* **Nikolaos Nikolaidis**, Technical University of Crete, Greece

*Note taker:* **Maria Lili and Rafaella Lenoir-Improta**

**Description of the session.** The scope of this session is to exchange and collect knowledge on the role of ecosystem restoration in increasing resilience and contributing to human wellbeing. In this session, 6 prepared posters will be provided with each poster representing specific groups of environmental goods and service (e.g. water regulation to mitigate flood and drought risks, climate regulation with carbon and nitrogen storage in biomass and soil, soil fertility for biomass production; water quality improvement, landscape cultural value, improve terrestrial biodiversity). The posters will have been completed with the appropriate information about NBS techniques, corresponding ecosystem services and the role of biodiversity. 2 exercises will be conducted among the participants. Actions needed for NBS to enhance ecosystem services and biodiversity and to increase resilience and wellbeing will be discussed. Moreover, the approaches and governance systems that can reinforce the capacity to innovate with NBS to develop and deploy them and to overcome trade-offs will be discussed.

**Audience targeted:** Researchers, City planners, Architects, Market Actors & Businesses, Policy-makers

13:30-  
14:30

**LUNCH**

14:30-  
15:30

**Nature-based Enterprise Expo  
and Pitch Battle<sup>3</sup>**

**Poster Exhibition**

15:30-  
16:15

**EU-BRAZIL SECTOR DIALOGUE ON NBS**

**Tiago Freitas**, DG Research and Innovation, European Commission, Belgium

**Guilherme Wiedman**, Ministry of Science, Technology, Innovation and Communication,

Brazil

**Cristiano Cagnin**, CGEE – Strategic Studies and Management Centre, Brazil

**Cecilia Herzog**, Pontifical Catholic University of Rio de Janeiro, Brazil

**Carmen Rosado**, VTT Technical Research Centre, Finland

**Augusto Mozine**, Vila Velha University, Brazil

*Moderator:* **Nikolaos Nikolaidis**, Technical University of Crete, Greece

*Note taker:* **Niki Frantzeskaki**

16:15-  
17:00

### PAVING THE WAY FOR SHARING THE EUROPEAN NATURE-BASED SOLUTIONS EXPERIENCE WITH THE WORLD

**Kate Reilly**, Grow Green project, IUCN-International Union for Conservation of Nature, Belgium

**Raúl Sánchez**, URBAN GreenUP project, Cartif, Spain

**Sami Kazi**, UNaLab project, VTT Technical Research Center, Finland

**Alice Reil**, Connecting Nature project, ICLEI - Local Governments for Sustainability Europe, Germany

*Moderators:* **Alice Reil**, ICLEI Europe, Germany

*Note taker:* **Shreya Utkarsh**

17:00-  
17:30

### OVERCOMING BARRIERS, ENHANCING BEST PRACTICE

**Nick Pearce**, University of Bath, UK

*Presenter:* **Ricardo García Mira**, University of A Coruña, Spain

*Wrapping up, key messages of the day*

**Denia Kolokotsa**, Technical University of Crete, Greece

*Note taker:* **Marcus Collier**

17:30-  
20:00

### GUIDED EXCURSION TO VISIT A LOCAL NATURE-BASED SOLUTION

*Organized by the Council of A Coruña - 3 different excursions (to select one)*

**1. ROUTE through the Natural Area of the Park of the Tower of Hercules.** Nature walk on foot through an area of rich biodiversity preserved safe from the city's urban development process. We will visit a wide area of cliffs and coastal vegetation, including gorse and heathers, prairies and coastal edge plants adapted to salinity and the strong marine wind. This area also is a natural lookout over the sea and some of the most interesting creatures of its surface, such as seabirds and cetaceans.

**2. ROUTE through the Eirís Park Area.** This is an area affected by industrial activity in which the adoption of NBS have allowed to recover space for biodiversity, urban gardening and leisure for neighbours and visitors. From the creation of an initial classic park, the adopted solutions have been: the recovery of a natural spring to generate a pond; the planting of chestnut trees greening an area affected by a slope generated by the construction of a road tunnel and by a buried oil pipeline; and a space specially designed for dogs.

**3. ROUTE BY BIKE along the A Coruña's seaside promenade.** 7.5 km cycling route through a blue path that runs along the most Atlantic facade of the city. It runs through the borders of the urban beaches

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of Orzán and Riazor. Then continues to the west part of the coast, to reach some evidence of the geological past and the variations in sea level, such as the remains of a large fossil dune, and arrives in front of the islands of San Pedro, which have a stable breeding colony of yellow-legged gull, and is a good observatory for both sedentary and migratory seabirds. This route is limited to a reduced number of participants.

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# Thursday 17th May

*Topic of the day*

TIME **ROBUST ASSESSMENT OF NATURE-BASED SOLUTION IMPACTS: CREATING THE EVIDENCE BASE TO INFORM URBAN POLICY-MAKING**

8:30

REGISTRATION OF PARTICIPANTS

09:00-  
09:30

**TOWARDS A REFERENCE FRAMEWORK FOR NATURE-BASED SOLUTIONS: CHALLENGES AND OPPORTUNITIES**

**David Maddox**, The Nature of Cities, USA

*Presenter: Marcus Collier*, The Nature of Cities Europe, Trinity College Dublin, Ireland

*Note taker: Stuart Connop*

09:30-  
10:15

**PLENARY PANEL DISCUSSION**

*Impacts of nature-based solutions: developing the evidence base*

**Jennifer Senick**, Rutgers Center for Green Building, USA

**Kate Reilly**, IUCN-International Union for Conservation of Nature, Belgium

**Adina Dumitru**, University of A Coruña, Spain

*Moderator: Marcus Collier*, Trinity College Dublin, Ireland

*Note taker: Irina Macsinga*

10:15-  
10:45

COFFEE BREAK

10:45-  
12:15

**CITIES SUMMIT (III)<sup>4</sup>**

*Parallel sessions*

*Nature-based solutions for leisure: what impact and for whom?*

**Agnieszka Dziubała**, Poznań City Council, Poland

**María García**, A Coruña City Council, Spain

**Angela Castrechini**, Universitat de Barcelona, Spain

*Discussant: Leiqing XU*, Tongji university, Shanghai, China

*Note taker: Nadine Galle*

<sup>4</sup> *Cities Summit parallel sessions consist of 45 minutes of presentations and 45 minutes of discussion with participants.*

### Description of the session: Coming Soon

#### *Creating multiple benefits for nature-based solutions for water management*

**Agnieszka Dziubała**, Poznań City Council, Poland

**Katrien van de Sijpe**, Genk City Council, Belgium

**Elena López-Gunn**, Icatalist, Spain

**Laura Wendling**, VTT Technical Research Centre, Finland

*Discussant:* **Paula Vandergert**, University of East London, United Kingdom

*Note taker:* **Coralía Sulea**

### Description of the session: Coming Soon

#### *Innovative methodologies for continuous monitoring and support of the evaluation of nature based-solutions*

**Catharina Bamps**, DG Grow, European Commission, Belgium

**Mattia Marconcini**, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

**Stavros Stagakis**, Foundation for Research and Technology – Hellas, Greece

*Discussant:* **Nektarios Chrysoulakis**, Foundation for Research and Technology, Greece

*Note taker:* **Stavros Stagakis**

**Description of the session:** The session explores innovative applications for monitoring nature-based solutions based on Earth Observation (EO). Satellites can provide vast information in both spatial and temporal scales that is proved valuable for monitoring the changes in the land cover and also the environmental effects of NBS. EO can be used for supporting evidence-based NBS and more specifically to setup a robust monitoring scheme to both short and long-term monitor the performance and quantitative assess the impact of the deployed NBS against well-defined baselines. The EO-derived information is not static, but it rather captures the state of the environment (supporting the evaluation of baseline or state indicators) of a targeted area and then regularly updated to monitor the changes caused by planning interventions (supporting the evaluation of change indicators). Thus, EO can deliver affordable, high quality environmental impact information (supporting the evaluation of impact indicators), based on the modern satellite missions. To this end the potential of European Copernicus Sentinels system is unique. The session includes examples EO-based applications on urban and natural environment and highlights the enormous emerging capabilities of EO in monitoring and evaluating the environmental effects of NBS.

**Audience targeted:** Researchers, City planners, Architects, Market Actors & Businesses, Policy-makers

12:15- 13:15	<b>LUNCH</b>	
13:15- 14:15	<b>Nature-based Enterprise Expo &amp; Pitch Battle</b>	<b>Poster Exhibition</b>

14:15-  
15:45**CITIES SUMMIT (IV)<sup>5</sup>***Parallel sessions****Stimulating innovation through platforms for monitoring and evaluation of nature-based solutions*****Jonathan Porter**, OPPLA, UK**Victor Beumer**, Deltares, Netherlands**Peter Roebeling**, University of Aveiro, Portugal**Marta Rica**, Icatelist, Spain*Discussant:* **Mamuka Gvilava**, Geographic, Georgia*Note taker:* **Isobel Fletcher****Description of the session: Coming Soon*****Innovative methods for health and wellbeing impact evaluation through nature-based solutions*****Julie Barnett**, University of Bath, UK**Clare Twigger-Ross**, Collingwood Environmental Planning, UK**Adina Dumitru**, University of A Coruna, Spain*Discussant:* **Irina Macsinga**, West University of Timisoara, Romania*Note taker:* **Emma Siddal****Description of the session: Coming Soon*****Designing green infrastructures in Galicia: challenges for ecological and social impact assessment*****Cristina García-Fontán**, University of A Coruña, Spain**Amparo Casares-Gallego**, University of A Coruña, Spain**María García Gómez**, A Coruña City Council, Spain**Xan Duro**, Council of Santiago de Compostela, Spain**Alfredo Fernández**, Instituto de Estudos do Territorio- Xunta de Galicia, Spain.*Discussant:* **Isabel Lema Banco**, University of A Coruña, Spain*Note taker:* **Cian White****Description of the session.** The scope of this session is to exchange and collect knowledge on the

<sup>5</sup> *Cities Summit parallel sessions consist of 45 minutes of presentations and 45 minutes of discussion with participants.*

benefits of NBS activities on on green infrastructure, connectivity and ecosystem restoration. Different types and methods of ecosystem restoration will be presented and discussed, focussing on innovative NBS practices and specific NBS Galician successful experiences and ongoing projects on green infrastructure. The best practices and exemplary NBS case studies of ecosystem restoration include:

- Identification of multiple benefits of NBS in the city of Santiago de Compostela: (a) The restoration of a historical park in the historical center of Santiago de Compostela, with sustainable drainage systems and water management and (b) the Green Corridor that connects Bonaval Park and Almaciga park, the connectivity of the green and vegetable gardens, which play an important role in the neighbourhood relations. (c) Regeneration of Monte do Gozo's metropolitan park that includes new functions to connect with the city and the pilgrims and where the ecological restoration and water management was implemented.
- Green infrastructure strategy of the city of Santiago de Compostela. Challenges and future projects.
- Green infrastructure projects and challenges in the municipality of Corunna, starting with the presentation of the biodiversity map and the strategy of green infrastructure
- Green Infrastructure participatory design process promoted by the regional government of Xunta de Galicia.

**Audience targeted:** Researchers, City planners, Architects, Policy-makers

15:45-  
16:30

### OVERCOMING BARRIERS, ENHANCING BEST PRACTICE

**Andreas Littkopf**, Environment Agency Austria (EAA), Austria

*Presenter:* **Stuart Connop**, University of East London, UK

*Wrapping up, key messages of the day:*

**Adina Dumitru**, University of A Coruna, Spain

*Note taker:* Paula Vandergert

16:30-  
18:00

### EARLY CAREER WORKSHOP<sup>6</sup>

16:30-  
19:30

#### EU R&I TASKFORCE MEETINGS

#### Sustainable cities through nature-based solutions. From Projects to Policies

**Taskforce I: "Data Management and EU NBS Knowledge Repository"**

*Facilitated by:* Nikos Nikolaidis (TUC) and Marco Fritz (DG RTD)

**Taskforce II: "NBS Impact Evaluation Framework version 2.0"**

*Facilitated by:* Denia Kolokotsa (TUC) and Tiago Freitas (DG RTD)

**Taskforce III: "Governance, Business Models and Financial Mechanisms"**

*Facilitated by:* Steven Banwart (ULEEDS) and Julie Delcroix (DG RTD)

**Taskforce IV: "Communication and NBS Branding Coordination"**

*Facilitated by:* David Struik (ISOCARP) and Josefina Enfedaque (DG RTD)

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## NBS = NATURE-BASED SOLUTIONS

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19:30-  
21:00

### A CORUÑA GUIDED CITY TOUR

*A nice walking tour around the historical part of the city*

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# Friday 18th May

Fundación Barrié, Cantón Grande, 9, A Coruña

*Topic of the day*

TIME                    **ENHANCING INNOVATION POTENTIAL THROUGH NEW GOVERNANCE  
AND FUNDING MODELS FOR NATURE-BASED SOLUTIONS**

8:30

REGISTRATION OF PARTICIPANTS

09:00-10:00

**FINANCING AND BUSINESS MODELS FOR NATURE-BASED SOLUTIONS**

**Eva Mayerhofer**, European Investment Bank, Luxemburg

**Siobhán McQuaid**, Trinity College Dublin, Ireland

**Elena López Gunn**, Icatalist, Spain

*Moderator: Steve Banwart*, University of Leeds, UK

**Note taker: Stuart Connop**

10:00-10:45

**CO-CREATION AS GOVERNANCE FOR EMBEDDING NATURE BASED SOLUTIONS  
IN CITIES**

**Niki Frantzeskaki**, Dutch Research Institute for Transitions, Netherlands

**Katrien van de Sijpe**, Genk City Council, Belgium

**Marino Cavallo**, Città Metropolitana di Bologna, Italy

**Alice Reil**, ICLEI - Local Governments for Sustainability, Germany

*Moderator: Marleen Lodder*, Dutch Research Institute for Transitions, Netherlands

**Note taker: Mary Lee Rhodes**

10:45- 11:15

COFFEE BREAK

11:15-12:45

**CITIES SUMMIT (V)<sup>7</sup>**

*City-led solutions to financing nature-based solutions and business models for  
sustainability*

**Representative of London City**, UK

**Representative of the Tampere City Council**, Finland

**Representative of the city of Nice/Montpellier**, France

<sup>7</sup> *Cities Summit parallel sessions consist of 45 minutes of presentations and 45 minutes of discussion with participants.*

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*Discussant:* **Siobhan McQuaid**, Trinity College Dublin, Ireland

*Note taker:* **Cian White**

**Description of the session.** Looking through the lens of municipalities, this session will look specifically at financing and sustainable business models for NBS. 3 cities (or project partners) will present their experiences with different business models for NBS:

- Barking Riverside in London will present their experience with the CIC business model and look objectively at the challenges faced versus benefits accrued.
- Two medium-size cities will present their experience of finance and business models for NBS sustainability.

The session will then split up into smaller groups led by the city presenters (supported by their project colleagues) looking in more detail at challenges and recommendations for improving practices in building sustainable business models for NBS.

*Audience targeted:* Researchers, City planners, Architects, Policy-makers

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*Climate change and mitigation “by Nature”: co-creating nature-based solutions for sustainable urban quality and well-being*

**Emeline Bailly, Dorothee Marchand & Raphael Jean**, Centre Scientifique et Technique du Bâtiment, France

**Marc Barra**, Paris Region, France

**Ricardo García Mira**, University of A Coruña, Spain

*Discussants:* **Ricardo García Mira & Marc Barra**

*Note taker:* **Raphaël Jean**

**Description of the session.** After a short presentation of the stakes issue from some climate change examples “by Nature”, we would like to question the issues related to CCAM according to its interactions with ecology, urban quality and well-being. This session will identify the key topics and problematical for the next Paris forum in april 2019.

**Transitions towards sustainable lifestyles: governance and knowledge co-production, Ricardo García Mira**, University of A Coruna, Department of Psychology. This presentation is focused in two aspects. On the one hand, the transition to a sustainable lifestyle requires important urban transformations whose main goal is to guarantee an increase in the efficiency of resource management, an improvement in the quality of life and greater environmental resilience. The adaptation of cities is a priority in this context, where we need to think about the most appropriate models, strategies and governance patterns, reflecting on how power constellations work and how to involve civil society organisations more. On the other hand, it is urgent to highlight the importance of researchers, citizens and politicians jointly contributing to the creation of knowledge; this also challenges universities, by reinforcing the link between research and politics, while reinforcing the idea of transforming cities into more sustainable places to live. Close collaboration with citizens, professionals and politicians is characteristic of transdisciplinary research which seeks to guarantee the relevance and transfer of research results to society.

**Nature as a solution for climate change mitigation and adaptation in Paris region, Marc BARRA**, urban ecologist, Agency for biodiversity Paris region Planning and Development Institute. Climate change and biodiversity loss in urban areas is a reality. Urban ecology provides us knowledge and solutions to maintain or restore green infrastructure within cities. This presentation will focus on climate change in Paris region and show how nature based solutions can be developed by local actors and mainstreamed in public policies, urban planning, architecture, or green spaces management.

*Audience targeted:* Researchers, City planners, Architects, Policy-makers

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## Pushing boundaries in city-making: indicators for transformative organizations

**Irina Macsinga**, West University of Timisoara, Romania

**Coralia Sulea**, West University of Timisoara, Romania

*Discussant:* **Irina Macsinga**, West University of Timisoara, Romania

*Note taker:* **Emma Siddal**

**Description of the session: Coming Soon**

12:45-13:45	<b>LUNCH</b>	
13:45-14:15	<b>Pitch Battle Prize: "Most Innovative NBE 2018"<sup>8</sup></b>	<b>Poster Exhibition</b>
14:15- 15:15	<b>CITIES SUMMIT (VI)</b>	

### *Innovation in nature-based solutions: The Adaptation Support Tool (AST)*

**Ellie Tonks**, Climate-KIC, Germany

**Victor Beumer**, Deltares, Netherlands

*Discussant:* **Ellie Tonks**, Climate-KIC, UK

*Note taker:* **Nadine Galle**

**Description of the session.** The **aim of the session** is to then have a 60-minute workshop on the future of the AST (an open source tool). We want to hear from participants on whether they have used similar tools, what goals the AST does and does not meet for cities and urban planners, how may it be expanded, and who has the technical expertise and knowledge to expand it? We hope to bring along a transportable table so that participants can have a firsthand experience with the AST. Deltares developed the AST in close cooperation with Alterra Wageningen UR and Bosch Slabbers Landscape Architects as part of the Climate KIC project Blue Green Dream. **Climate-KIC** works on transformative, systemic innovation that involves many connected innovations developing in parallel to trigger wholesale systemic change.

The **Adaptation Support Tool (AST)** – an interactive touch table used in design workshops to assess the effectiveness and costs of differing adaptation interventions – will then be presented by **Deltares**. Urban planners, landscape architects, water managers, civil engineers, and other local stakeholders can use the AST to assess 62 blue-green measures for ecosystem-based adaptation within a site-specific context. Real-life applications of the AST will be presented during the session to understand how the tool has already supported urban developers, for example in the Chota district of Beira, Mozambique or the reconstruction of the Centre-West area of Utrecht.

**Audience targeted:** Organisations and/or individuals to help further develop the AST (technical backgrounds); Cities for piloting, providing valuable feedback, and proposing next steps for the tool; Urban planners, landscape architects, water managers, civil engineers.



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15:15-16:00

**OVERCOMING BARRIERS, ENHANCING BEST PRACTICE**

**José Juan Díaz Trillo**, President of the Climate Change Commission, Spanish Parliament

**José Manuel Silva Rodríguez**, former European Commission's Director General for Research and Innovation, Spain

**María Garcia Gomez**, Environmental Division, A Coruña City Council, Spain

*Moderator:* **Ricardo García Mira**, University of A Coruña, Spain

*Wrapping up, key messages of the day:*

**Niki Frantzeskaki**, Erasmus University Rotterdam, Netherlands

*Next steps: roadmap for action:*

**Adina Dumitru**, University of A Coruña, Spain

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## KEYNOTES AND RELEVANT SPEAKERS



**Josefina Enfedaque**, European Commission, Belgium

Senior Policy Officer at the European Commission. At the Sustainable Management of Natural Resources unit in DG Research and Innovation, she contributes to roadmaps and policies related to biodiversity and ecosystems services research, oversee EU-funded projects and platforms, and develop outreach and public engagement strategies for Nature-Based Solutions.



**Nick Pearce**, University of Bath, UK

Nick is Professor of Public Policy and Director of the Institute for Policy Research at the University of Bath. He was formerly director of the UK progressive think-tank, IPPR (2010-2015), and Head of the N<sup>o</sup>10 Downing St. Policy Unit (2008 - 2010) with responsibility for the formulation of policy advice to the UK Prime Minister. He is currently leading research on comparative welfare state reform, British politics, and democratic theory and practice. His latest book is *Shadows of Empire: the Anglosphere in British Politics*.



**David Maddox**, The Nature of Cities, USA

Founder & Executive Director, The Nature of Cities, David Maddox is committed to the health of the urban ecosystem—urban resilience, the application of ecosystem services for human welfare and livelihoods, and the effective and efficient monitoring and evaluation of these issues. He has worked for The Nature Conservancy, the Maryland State government, the City of New York, in non-profits, and as a consultant.



**Jennifer Senick**, Rutgers Center for Green Building, USA

Executive Director of the Rutgers Center for Green Building at the Edward J. Bloustein School of Urban Planning and Policy Development, Rutgers University, and an instructor in the department. An experienced urban planner, Dr. Senick's areas of expertise include sustainable development, green building, and environmental behaviour, trends in technology adoption/use and multi-method approaches to field inquiry and building performance evaluation.



**Marcus Collier**, Trinity College Dublin, Ireland

Leader of Connecting Nature, a €11.4m Horizon 2020 project which runs from 2017 to 2022, this project will develop innovations by scaling out nature-based solutions in 11 cities in Europe as well as cities in China, Brazil, Korea and the Caucasus. His main areas of expertise are in transdisciplinary research, social-ecological systems, landscape and restoration ecology, environmental policies and collaborative governance.



**Kate Reilly**, IUCN-International Union for Conservation of Nature, Belgium

IUCN EU Programme Officer, Reilly coordinates IUCN's contributions to H2020 project Aquacross on ecosystem-based management of aquatic ecosystems, H2020 project GrowGreen on nature-based solutions for water and climate resilience in cities. She also contributes to other components of IUCN's nature-based solutions and urban nature programmes as necessary.



**Andreas Littkopf**, Environmental Agency, Austria

Since 2007 he is leading a European Topic Centre for the European Environment Agency (EEA), doing integrated assessments and developing spatial reference data. He also collaborated in various EU research projects (FP6, FP7, H2020). Currently he coordinates the ETC/ULS, the European Topic Centre on Urban, Land and Soil systems, which is supporting the EEA by developing various indicators and reports on European scale, based on satellite imagery and supports the land monitoring component of the Copernicus program.



**Niki Frantzeskaki**, Erasmus University Rotterdam, Netherlands

Niki is coordinating research on environmental governance, and urban sustainability transitions at DRIFT since 2010 where she researches contemporary sustainability transitions and their governance across Europe, USA, Brazil and in developing countries like Vanuatu, and Ghana. She contributed as a lead expert in international dialogues and projects, being the lead expert in the European Union and Brazil platform of science exchange and co-production under the theme of innovating cities with nature-based solutions, with a good grasp on global environmental governance knowledge and processes in 2015-2016.



**José Juan Díaz Trillo**, Spanish Parliament.

Current President of the Spanish Parliament Climate Change Commission, Mr Díaz Trillo was the Head of the Environment Department at the regional Government of Andalucía (2008-2014). He is also well-known as a writer and poet.



**Adina Dumitru**, University of A Coruña

Senior Researcher at the People Environment Research Group at the University of A Coruña and Director of its Sustainability Specialization Campus. Her research focuses on assessments of NBS interventions, the psychological dimensions of sustainable lifestyle change, the relationship between sustainable lifestyles and wellbeing, and the psychology of social innovation, empowerment and social cohesion. She is the country lead for H2020 large-scale projects Connecting Nature, Smartees and Transit. Previously, with Professor Ricardo García Mira, she worked as scientific coordinator of the Glamurs and Locaw european projects. She was a junior Fulbright Scholar and received her Master's degree in Political Science (with a track in Political Psychology) from Washington State University (USA).



**Ricardo García-Mira** International Association of People-Environment Studies

Professor of Social and Environmental Psychology at the University of A Coruña, he is currently a Visiting Professor at the University of Bath. He has been coordinating the FP7 GLAMURS project, the LOCAW project and a partner of the TRANSIT project and the H2020 Connecting Nature and Smartees. García Mira is the President of the International Association for People-Environment Studies (IAPS) and is the European Editor of the Journal of Architectural and Planning Research. He has been elected as a Member of the Parliament of Spain, where he is the Spokesman for the Study of Climate Change among other roles.

## ORGANIZERS

Event Coordinators: **Dr. ADINA DUMITRU** and **Dr. RICARDO GARCÍA MIRA**

Technical Secretariat: **ISABEL LEMA BLANCO**

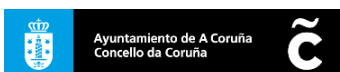
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