







Webinar Series: Nature-based Solutions: Design, planning, governance, and economics.

Fundación Torcuato Di Tella, Delta Alliance Argentinean Wing, Delft University of Technology (TUDelft) and the International Forum on Urbanism (IFOU) have organized a series of webinars on Nature-Based Solutions (NbS), under the auspices of the Embassy of the Netherlands in Buenos Aires. They have been developed during the month of November 2020, in three weekly meetings. The activity also had the participation of the Central Society of Architects (SCA) and the Professional Council of Architecture and Urbanism (CPAU).

The themes of the webinars were the following:

Webinar November 11, Nature-based Solutions.

Webinar November 18, NbS: Design, planning and governance.

Webinar November 25, NbS: Circular economy and financing.

In the first webinar, Dr Emmanuelle Cohen-Shacham (IUCN) presented the definition of NbS and the "Global standards for NbS", which were launched this year by the IUCN. Dr Niki Frantzeskaki (Swinburne University of Technology, Australia) presented her perspective of NbS in relation to the urban context, showing the position of the European Comission and exploring the concept of "Sustainable Transitions". Then, Em.prof.dr.ir. Han Meyer and Attila Katona presented cases from the Netherlands (Room for the River) and Singapore-Beijing (Tianjin Eco-Valley) respectively.

In the second webinar, Dr Mark Scott (Univ. Dublin) and Dr Chris Zevenbergen (IHE-TUDelft) presented NbS from the perspective of governance, design and planning. Then the case of Water Funds in Latin America (Ana Beccar Varela and Jaime Camacho, The Nature Conservacy), and an Argentine case of participatory wetland restoration in Cuyo (Heber Sosa, Wetlands International) were presented.

In the third webinar, Dr Helen Toxopeus (Naturvation, NL) delved into the different business models for financing NbS, and Msc. David Alvarez (Ecoacsa, Spain) spoke about circularity and water. Finally, two illustrative cases of the theme were presented: "Resilience by Design Metropolitan Region Amsterdam" (Anne Loes Nillesen, Defacto) and "Cascading Semarang" (Mónica Altamirano, Deltares).

Each webinar had a short introduction given by professionals in the fields of NbS, design, planning, governance and economics: Dr Verónica Zagare, Kim van Nieuwall, Dr Fransje Hooimeijer, Dr Cynthia Goytía and Lic. Hernán Carlino. We also counted wth the presence of representatives of the Climate Change Adaptation Coordination team, of the National Direction of Climate Change under the Ministry of Environment and Sustainable Development.









Although each webinar was structured around the presentations of theories and cases, a space for discussion was set up in which the participants met in small groups and shared their views on the topics presented in each meeting. Each discussion table was moderated by professionals on the subject, in various languages (Spanish, English and Chinese). The conclusions were then shared with the entire audience.

Nature-Based Solutions have the potential to address the social, environmental and economic challenges of our cities, towards a sustainable transition. The webinars created a space for internationally renowned experts to share their knowledge and experiences in the field. Likewise, attendees were able to share their views on the lessons learned and future challenges.









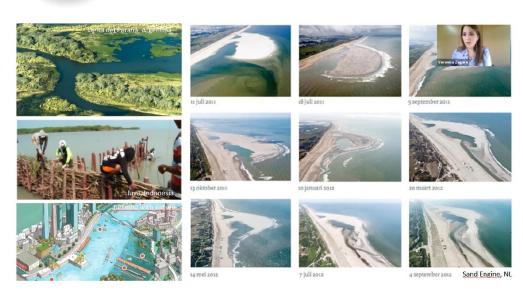
Webinar Series: Nature -based Solutions

Webinar 1: NbS



Dr Verónica Zagare

Fundación Torcuato Di Tella - Delta Alliance Arg. Delft University of Technology- TUDelft





Dr Emmanuelle Cohen-Shacham

Thematic Group Lead, IUCN Commission on Ecosystem Management (CEM)













Dr Nikki Frantzezkaki

Centre for Urban Transitions, Swinburne University of Technology, Melbourne, Australia.

NATURE-BASED SOLUTIONS















Nature-based solutions are inspired by nature, use nature and/or are supported by nature. Specifically, nature-based solutions have been defined as living solutions underpinned by natural processes and structures that are designed to address various environmental challenges while simultaneously providing multiple benefits to economy, society and ecological systems (European Commission, 2016).

rantzeskakl, N., McPhearson, T., Collier, M., Kendal, D., Bulkeley, H., Dumitru, A., Walsh, C., Noble, K., van Wyk, E., Pinter, L., Ordonez, C., Oke, C., Elmqvist, T., (2019), Nature-based olutions for urban climate change adaptation: linking the science, policy and practice communities for evidence based decision-making, Bioscience, 69, 455-566, loi:10.1093/biosci/bio942





Em. Prof.dr.ir. V.J. (Han) Meyer Delft University of Technology (TUDelft), **DELTASTAD**

Room for the river Recovery of the delta as a dynamic and resilient system





Delta Alliance Webinar November 11, 2020











Attila Katona Central European University, Researcher NATURVATION Project









"Eco-Valley" -Sino-Singapore Tianjin Eco-City

- 1 Axis 3 Centres 4 Districts" 1 axis refers to 'Eco-Valley'
- Cuts across the Eco-City as an 'S'-shaped green infrastructure spine with a fishbone structure.
- 50-100 meter wide, 11 km long, now 180.000 m2
- Sponge City disciplines & Park Connector Concept
- 22 KPIs (12 m2 green space per capita, 70% native species, etc.)















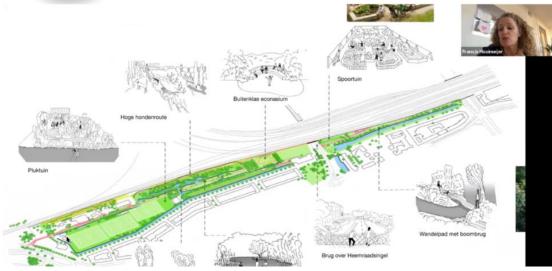


Webinar Series: Nature -based Solutions

Webinar 2: Design, Planning and Governance



Dr Fransje HooimeijerDelta Urbanism / Intelligent SUBsurface
Delft University of Technology - TUDelft





Dr Mark Scott
University College Dublin,

Delivering NBS through urban planni



- A compelling evidence base
- Translating knowledge to action?





















Dr Chris Zevenbergen

Water Engineering Department of IHE Delft, The Netherlands

Natur	e Based Solution a paradigm shi	THE DELET
Dimension	Traditional approaches	Emergent approaches
Rationale(s)	Economic efficiency (and social equity)	Unlocking economic potential (e.g. multiple benefits)
Focus	Individual infrastructure items (e.g. roads, bridges)	Infrastructure systems, interdependencies (e.g. urban resilience)
Timescale	Short(er) 5-20 years	Long(er) > 30 years
Organisation	Projects	Packages of projects (programs)
Planning	Robust (risk-based)	Adaptive (resilient-based) approach



Eng. Ana Beccar Varela

The Nature Conservacy















Prof. Heber Sosa Fabre

Wetlands International, Argentina











Webinar Series: Nature -based Solutions

Webinar 3: Business models and circular economy



Dr Helen Toxopeus H2020 NATURVATION Utrecht School of Economics and the Sustainable Finance Lab at Utrecht University





Financing nature

MSc David Álvarez García

CEO of Ecoacsa Reserva de Biodiversidad EU Business @ Biodiversity Platform Advisory

An opportunity to finance nature: some back ground



Natural capital: Capturing the value















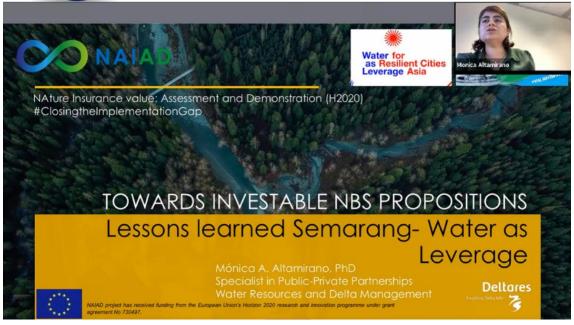






Dr Mónica Altamirano

Deltares





MSc Anne Loes Nillesen

Defacto and Urbanism, Rotterdam

