

NetworkNature Annual Event

*“Achieving the EU Green Deal
through nature-based solutions”*

Opening Plenary

10am – 12pm

21st October 2021



Housekeeping rules

- Please note that the event will be recorded
- Only speakers and panellists have the possibility to unmute and open their video
- Please use the Q&A facility to ask questions

Agenda

Time	Topic	Speakers
10.00 – 10.10	Welcome	<ul style="list-style-type: none">• Anna Jones, Moderator• Bettina Wilk, ICLEI
10.10 – 10.25	NetworkNature’s ambitions for Nature-based Solutions	<ul style="list-style-type: none">• Chantal van Ham, IUCN Europe• Daisy Hessenberger, IUCN
10.25 – 10.35	Mentimeter session	Anna Jones, Moderator
10.35 – 10.50	Towards the next EU roadmap for R&I on NBS: overview of the landscape and knowledge gaps	Frederic Lemaitre, BiodivERsA
10.50 – 11.50	Panel: The way forward for the H2020 projects on NBS – opportunities for upscaling	<ul style="list-style-type: none">• Tom Wild, Conexus project• Pierre Failler, MaCoBioS project• Holger Robrecht, ICLEI• Giulia Carbone, WBCSD• Tony Williams, IFLA Europe
11.50 – 12.00	Closing	Anna Jones, Moderator

Welcome & introduction

- Anna Jones, Moderator
- Bettina Wilk, Senior Officer Sustainable Resources, Climate and Resilience, ICLEI

10.00 – 10.10



NetworkNature's ambitions for Nature-based Solutions

- Chantal van Ham, Acting Director, IUCN European Regional Office
- Daisy Hessenberger, Nature-based Solutions Programme Officer, IUCN

10.10 – 10.25

NetworkNature' ambitions for Nature- based Solutions

Daisy Hessenberger &
Chantal van Ham
IUCN – International Union
for Conservation of Nature

NetworkNature annual
conference – 21 October 2021



The nature of progress

NetworkNature – evidence, engagement, partnerships, learning, sharing, capacity building

- Synthesize & strengthen the NBS evidence base
- Engage with existing stakeholders & expand the NBS community
- Creating new partnerships
- Identifying sectoral champions
- Sharing knowledge and communicating the latest findings in the field
- Accelerate the uptake of NBS across science, business, policy and practice by providing guidance and capacity building, creating and operating new European NBS regional hubs

Outcomes for NBS – IUCN World Conservation Congress, September 2021



- Our economic recovery from the pandemic can be driven by investment in nature
- Prioritise investments in nature that advance social justice and inclusion
- Integration of NbS in commitments under the Paris Agreement supporting the post 2020 biodiversity agenda



Nature-based Solutions offer immense potential to address our societal challenges



We cannot afford to squander this potential



Enabling mechanisms to address multiple challenges in the same solution

Policy alignment for sustaining action

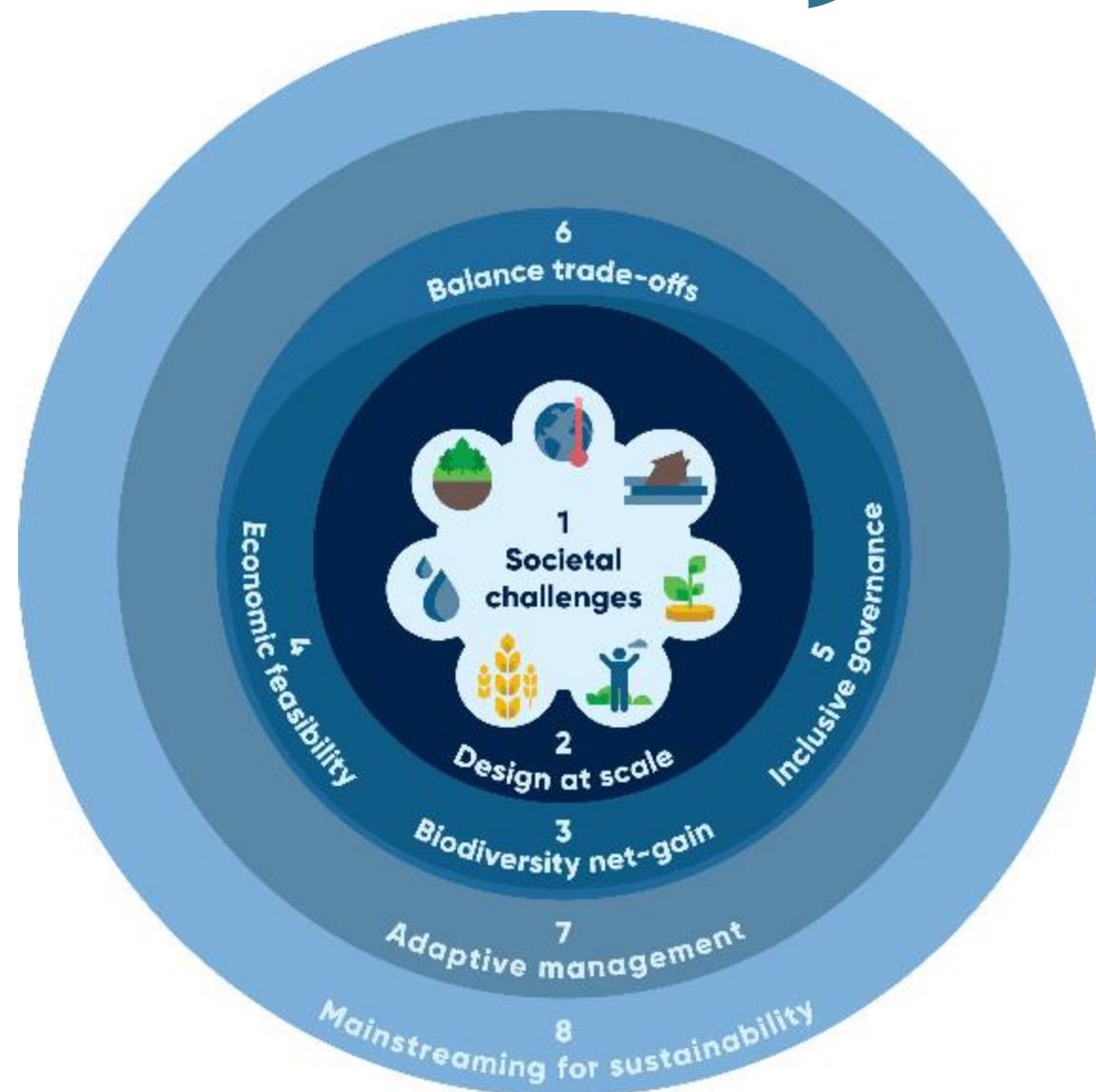
Action at scale



Standards to mainstream Nature-based Solutions



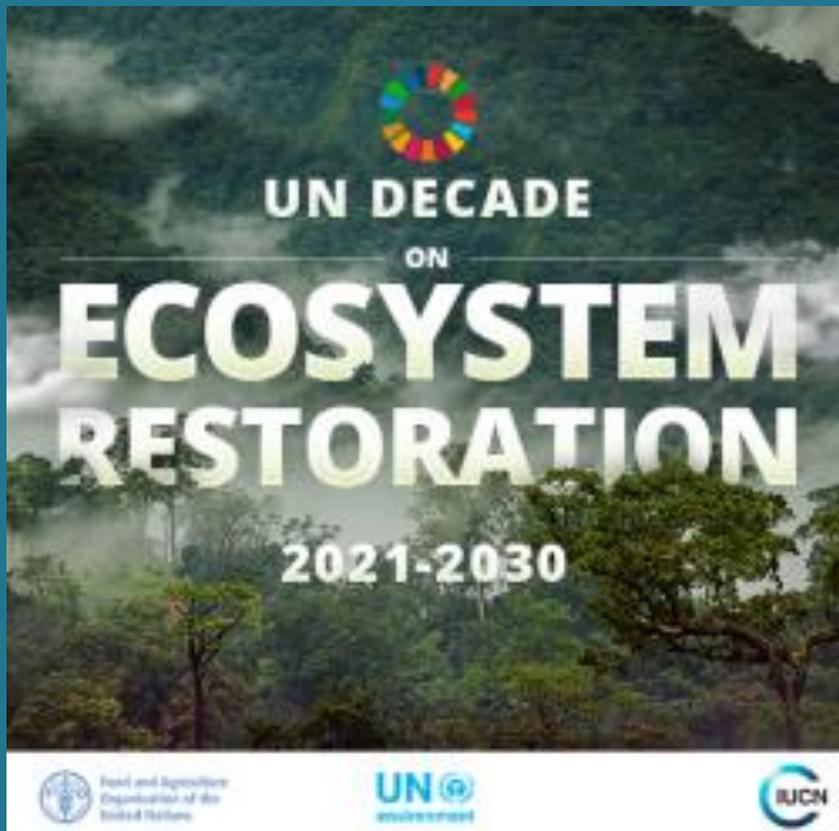
- Design
- Verification
- Scaling up



Watch this space for Nature-based Solutions



- IUCN developing a certification system in collaboration with pre-existing schemes
- Ecosystem restoration targets in the UN Decade of Ecosystem Restoration
- EU policy and post-2020 framework



**UN CLIMATE
CHANGE
CONFERENCE
UK 2021**

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Thank you!

NetworkNature partners



Mentimeter session

- Anna Jones, Moderator



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10.25 – 10.35

Towards the next EU roadmap for R&I on NBS: overview of the landscape and knowledge gaps

- Frederic Lemaitre,
Officer in charge of
science society/ policy
interfacing, BiodivERsA

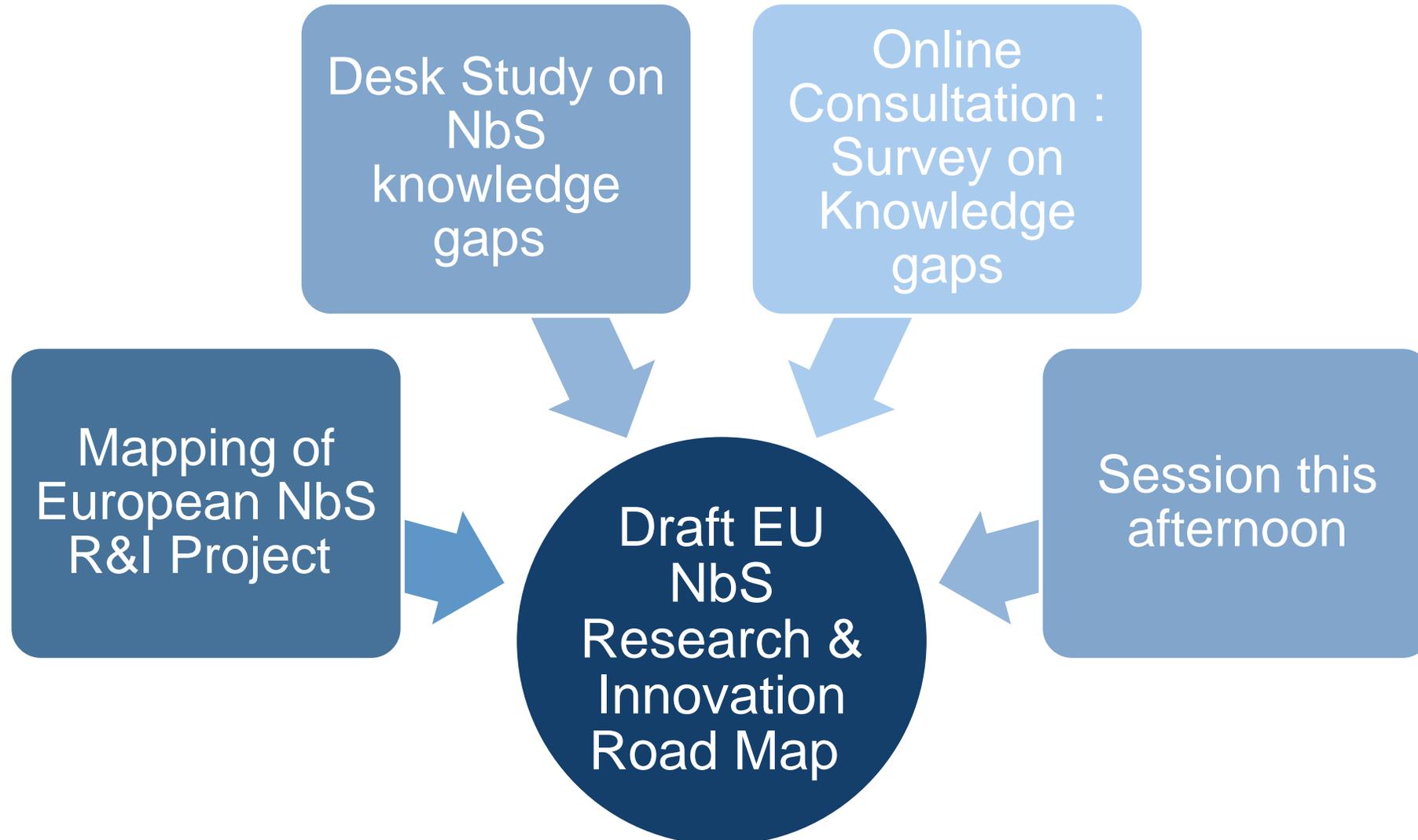
10.35 – 10.50

Towards the next EU roadmap for R&I on NbS: overview of the landscape and knowledge gaps

Frédéric Lemaitre – Biodiversa +



Scope and aim of our work



Mapping of European NbS R&I Project

R&I programs were analysed for this mapping from 2011 – 2021 :

- BiodivERsA
- FP7
- H2020
- Interreg
- LIFE in progress

Using a **keyword specific methods** :

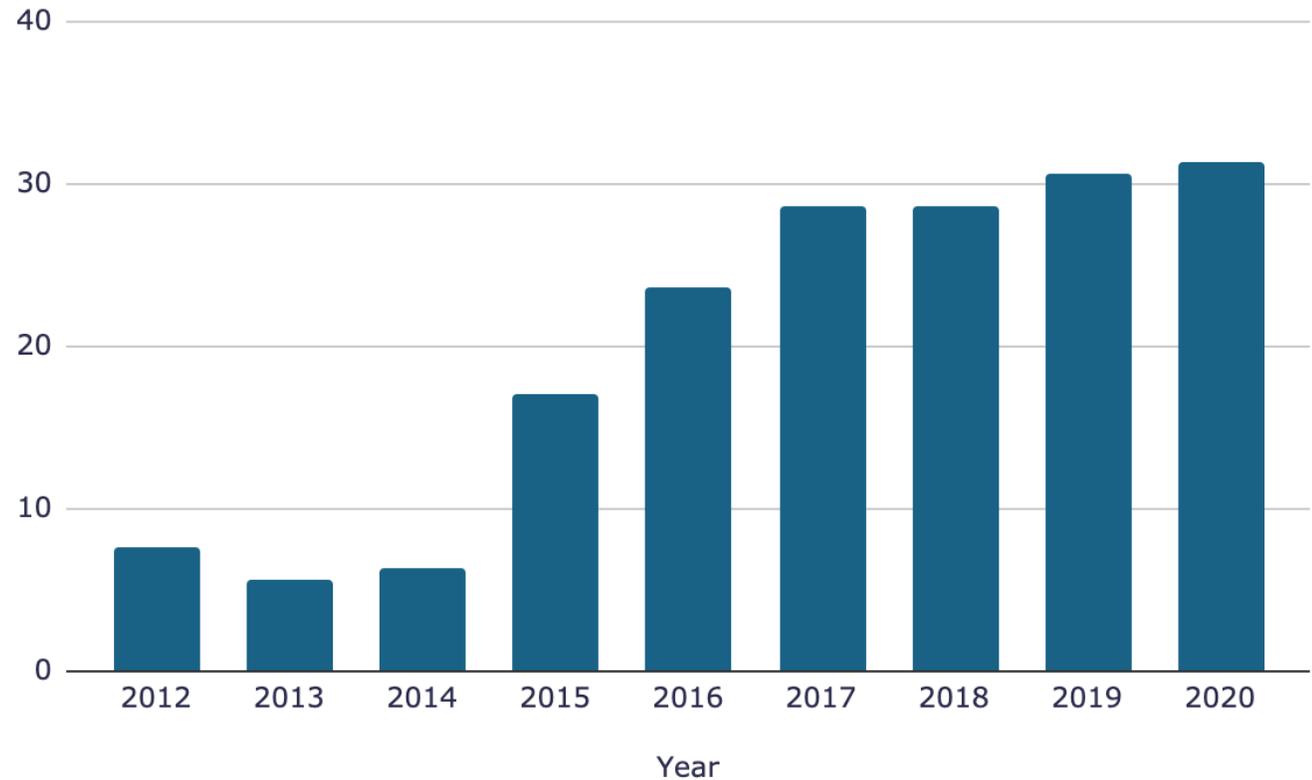
- First using "Biodiversity" keywords
- Then using "Services and Approaches" keywords

Projects were retrieved and then manually checked to retrieve NbS relevant projects.

61 576 projects → 223 NbS projects were retrieved

Mapping preliminaries results

Number of NbS Projects
per Year, rolling 3 year
average.

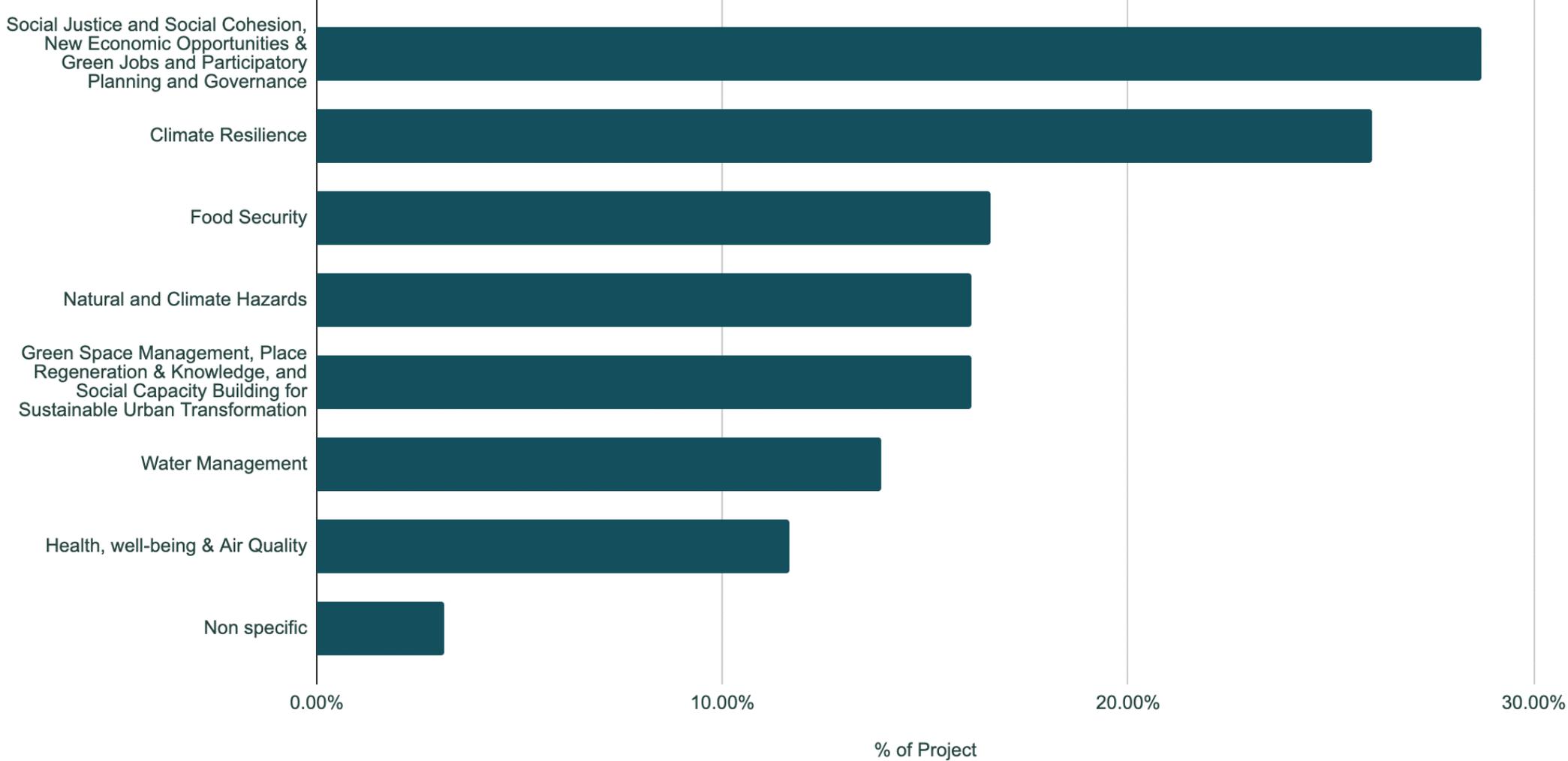


Types of Societal Challenge

IUCN Societal Challenge Typology <u>Cohen-Schacham et al. ²</u>	EC Societal Challenge <u>European Commission. Directorate General for Research and Innovation. ³</u>	Derived for NetworkNature mapping
Climate Change	Climate Resilience	Climate Resilience
Water security	Water Management	Water Management
Food security	-	Food security
Economic and Social Development	Social Justice and Social Cohesion	Social Justice and Social Cohesion, New Economic Opportunities & Green Jobs and Participatory Planning and Governance
	New Economic Opportunities and Green Jobs	
	Participatory Planning and Governance	
Disaster Risk reduction	Natural and Climate Hazards	Natural and Climate Hazards
Human Health and well-being	Health and well-being	Health, Well-being & Air Quality
	Air Quality	
-	Green Space Management	Green Space Management, Place Regeneration & Knowledge, and Social Capacity Building for Sustainable Urban Transformation
	Place Regeneration:	
	Knowledge, and Social Capacity Building for Sustainable Urban Transformation	
-	Biodiversity Enhancement	Biodiversity Enhancement*

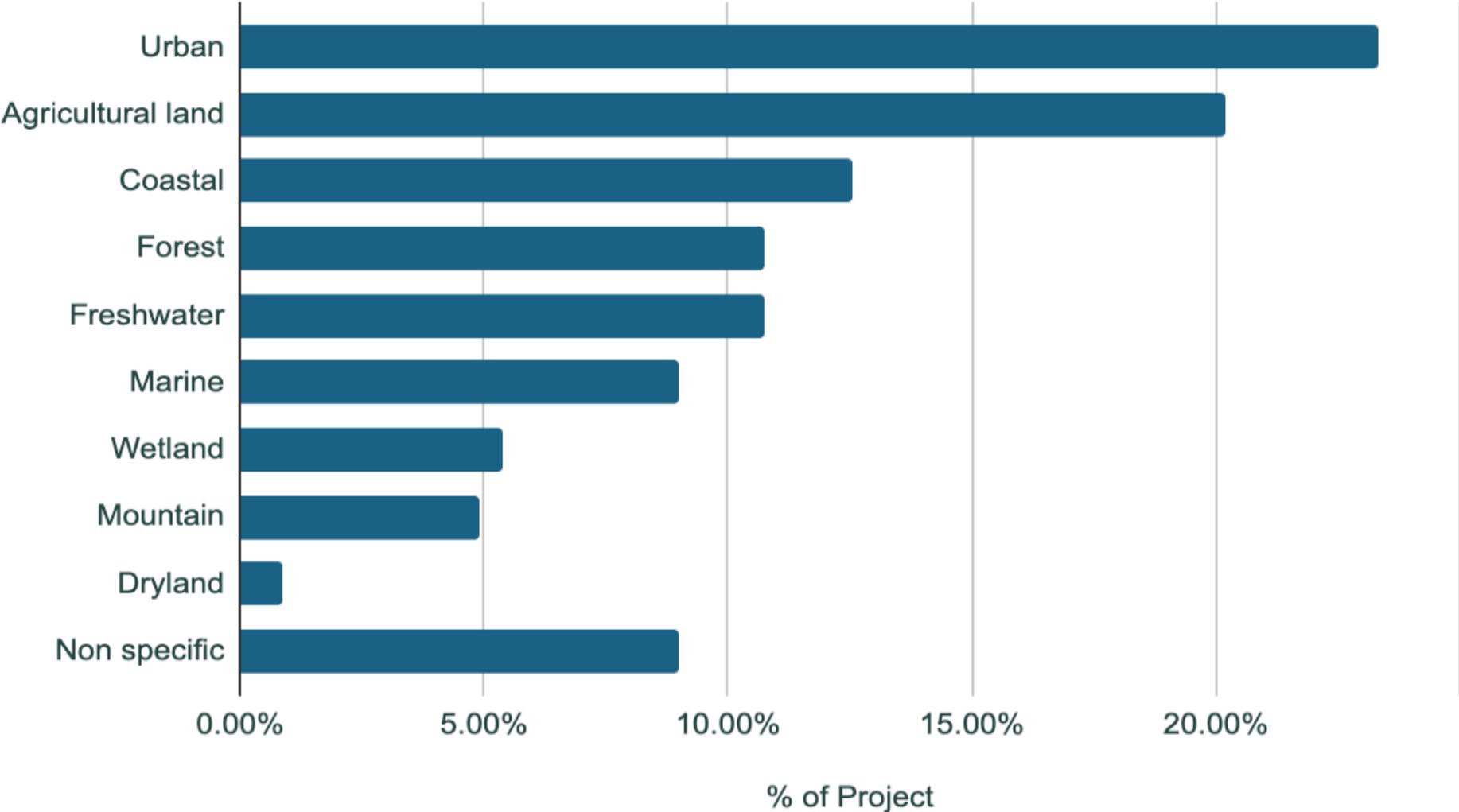
*Not included in analysis since considered prerequisite for NBS

Types of Societal Challenge



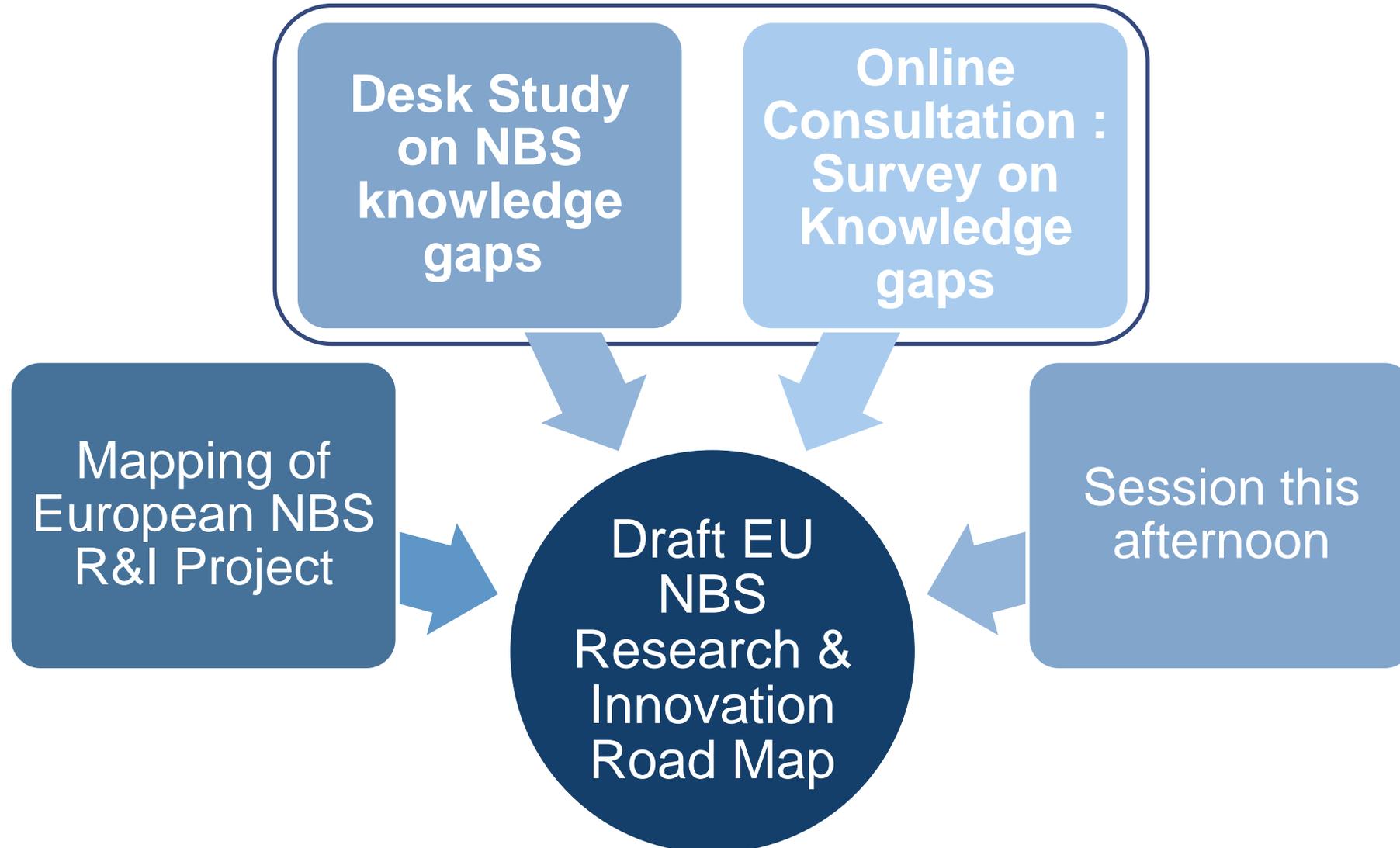
Sum > 100% since projects could tackled more than one SC

Types of Environment



Sum > 100% since projects could take place in multiple environments

Scope and aim of our work



Knowledge gaps collection

❖ Desk Study :

→ **17 Publications** analysed : grey literature and scientific papers



Gaps were identified when clearly stated as such in the publication

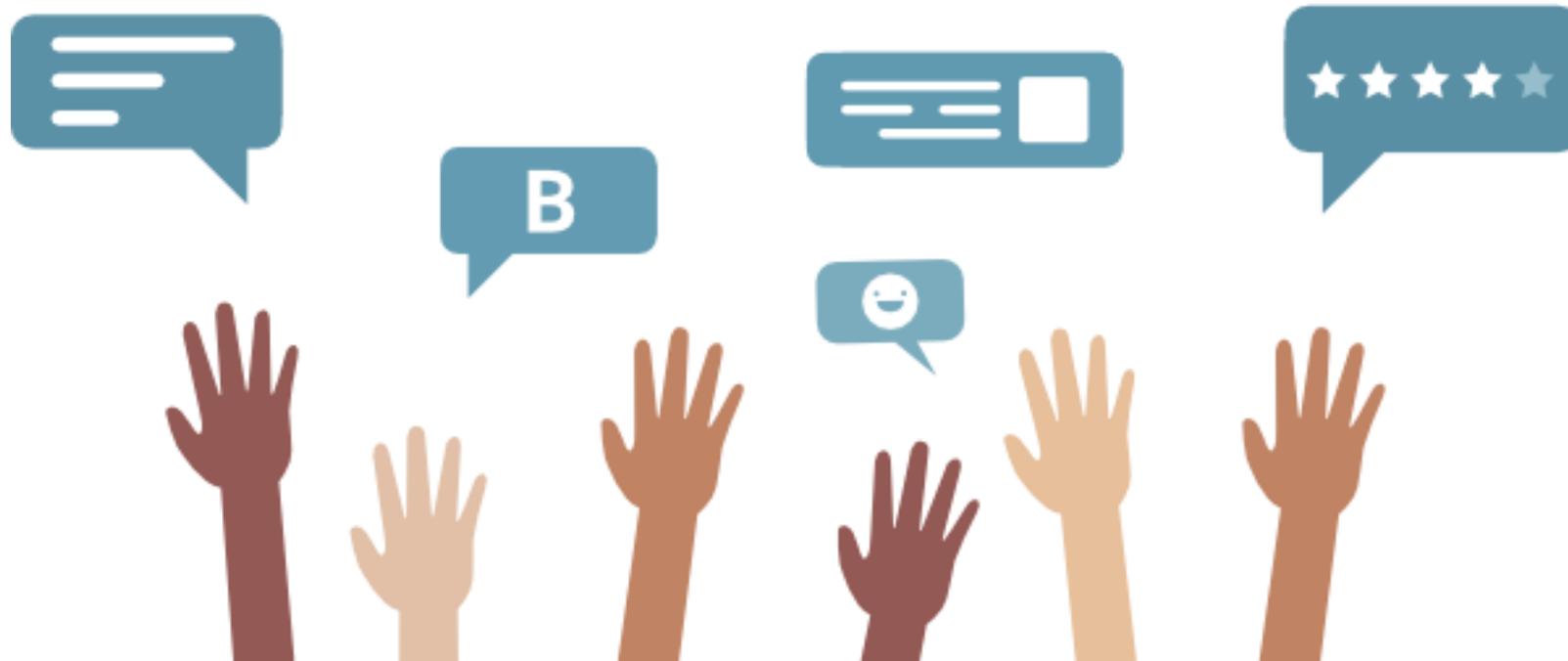
→ **Over 100 gaps collected, organised in 39 categories**

Knowledge gaps collection

❖ **Online Survey open for \approx a month**

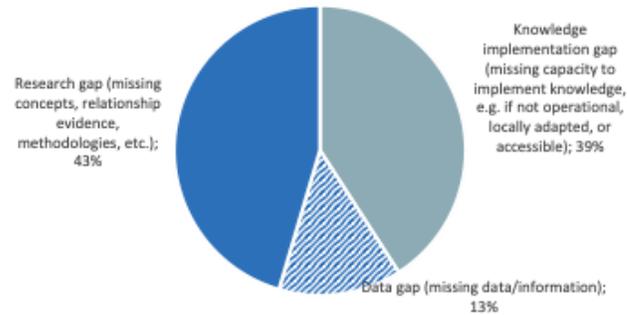
→ 45 respondents ($\frac{1}{2}$ academics and $\frac{1}{3}$ stakeholders (national policy makers, NGOs and SMEs))

→ **Identified 46 gaps**

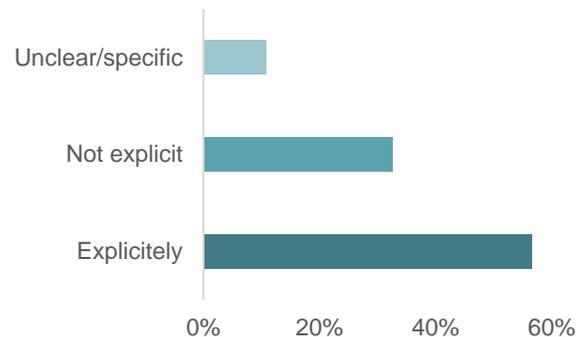


Survey results

Types of gaps submitted



Percentage of gaps submitted already in the desk study



Missing knowledge/data	Context-specific synergies and trade-offs between ESS
	Role of biodiversity in ESS provision
	Environmental justice and social cohesion
	Evidence on NbS benefits
	Lack of standardised methods for measuring NbS performance
Implementation gap	Financing & sustainability of NbS
	Operational knowledge at local and landscape scale
Capacity & awareness gap	Transposition of NbS in legislative frameworks, legislative support for bottom up initiatives
	Appropriation of NbS at national and local policy scales
	Awareness of NbS and acceptability by citizens

Draft EU NBS Research & Innovation Road Map

- Following the Annual Events, we are organising a **Strategic session with high-level EU R&I programmers and experts** :
- This afternoon's session will feed identified research and innovation needs into the roadmap for EU NbS Research and Innovation : **1st draft for Jan. 2022.**
- The Draft will be submitted for consultation again to gain feedback and get to the final roadmap expected in **May 2023**

Panel: “*The way forward for the H2020 projects on NBS – opportunities for upscaling*”

- Tom Wild, Conexus project coordinator
- Pierre Failler, MaCoBioS project coordinator
- Holger Robrecht, Deputy Regional Director Sustainable Resources, Climate and Resilience, ICLEI
- Giulia Carbone, Director, Natural Climate Solutions Alliance, WBCSD
- Tony Williams, IFLA Europe Past President and current Chair of the IFLA Europe Working Group on Climate Change

10.50 – 11.50

Questions from the audience



Please use the Q&A
facility to submit
your questions

Closing remarks

- Anna Jones, Moderator

11.50 – 12.00



Parallel sessions (14.00 – 16.00 CET)

Title	Organisers
Rethinking cities: from smart into human	EIB Institute, University of Luxembourg and Caritas
Carbon farming as a Nature-based solution and a first attempt to pay for ecosystem services	European Landowners Organisation
The role of Nature-based solutions in delivering the Post – 2020 Biodiversity Framework Closing the research gaps for Nature-based solutions	IUCN Global
Closing the research gaps for Nature-based solutions	BiodivERsA
Kick-off meeting of the network of National Representatives interested in Nature-based solutions	Steinbeis 2i



Network Nature



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 887396.

NetworkNature Annual Event

*“Achieving the EU Green Deal
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Closing Plenary

4.15pm – 5.50pm

21st October 2021



Agenda

Time	Topic	Speakers
16.15 – 16.30	Reporting back from parallel sessions	Anna Jones, Moderator
16.30 – 10.40	Investment in NBS for achieving Green Deal ambitions for the EU	Philippe Tulkens, Head of Unit, climate and planetary boundaries, European Commission DG Research & Innovation
16.40 – 17.40	Panel: “How to achieve Ecosystem Restoration targets through joint actions, for NBS”	<ul style="list-style-type: none">• Raysa França, Youth4Nature• Richard Scott, Society for Ecological Restoration• Jurgen Tack, European Landowners Organisation• Silvana di Sabatino, Operandum project• Raul Sanchez, UrbanGreenUp project
17.40 – 17.50	Closing	Anna Jones, Moderator

Reporting back from parallel sessions

- Anna Jones, Moderator

16.15 – 16.30

Carbon farming as an NBS and a first attempt to pay for ecosystem services

- **Dialogue and interactive exchange** to establish common ground and understanding for the approaches that lead to a sustainable future and opportunities for landowners and farmers is essential – in support of this IUCN has published a report with 14 approaches to sustainable agriculture
- In light of the **EU Carbon Farming Initiative** to be launched soon, there is a huge potential for carbon farming in peatlands: by restoration or rewetting 3 % of agricultural land up to 25% of agricultural emissions can be reduced. With the upcoming COP 26 in Glasgow this is an excellent opportunity to push forward.
- **Professional and independent advice, building and maintaining a community of practice**, and clear **mechanisms for rewards** to farmers are essential for upscaling sustainable agricultural practices

The role of Nature-based Solutions in delivering the Post-2020 Biodiversity Framework

- Nature-based Solutions contribute towards the targets of the Post-2020 Biodiversity Framework
- Their contribution must be recognised and scaled up globally
- Key to this recognition is the use of the IUCN Global Standard for Nature-based Solutions and other tools supplied by EU projects

Rethinking Cities: from Smart to Human

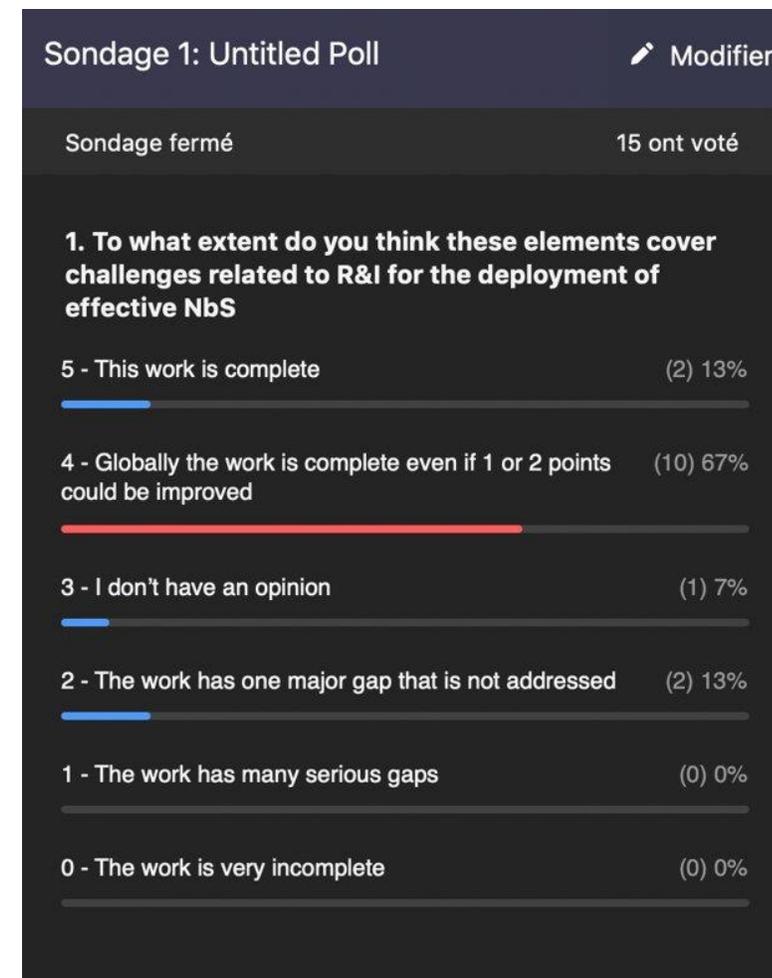
- **SMART as a means to underpin sustainable urban development of human-centred cities** → policy makers have increased responsibility to increase QoL due to clear demand by European citizens to reorient economies to new principles that allow cities to become more resilient, liveable and avoid any future pandemics;
- **Need for integrated, cross-sectoral approach in spatial planning** that goes beyond administrative borders and includes both public and private stakeholders; collaboration is key with public authorities defining framework conditions for private sector (public procurement criteria, standards);
- **How to support mainstreaming NBS in urban planning?** Rethinking **cities as ecosystems** with **NBS as critical infrastructure** that form part of a strategically planned network of natural and semi-natural features that address a multitude of challenges (QoL, climate adaptation, public health); **NBS as asset approach** – not a cost but a long-term asset to incentivize investment in development and maintenance of infrastructure.

Kick-Off meeting of the network of National Representatives for SMEs interested in NBS

- Inspiring presentation of **NBE White Paper** and its relationships with SMEs (identified barriers, enablers and the forecasted increase of the investments in this field (3 times until 2030) according to the UN).
- Building on the preliminary results of our online survey, the **main problems** faced by SMEs when moving towards NbS:
 - Many activities targeting large companies, few for SMEs,
 - Low availability of SMEs (very solicited and facing many other urgent matters)....
- Define the **key solutions** were further identified and prioritized:
 - Collect and adapt the existing tools and support to the needs of SMEs
 - Access a list of NBS presenting also their evaluated benefits,...
- Attending organizations indicated which **activities** of the network would they be willing to support.
- Presenting the topics of the Meeting to come.

Closing the research gaps on Nature-based solutions

- Overall positive appreciation of preliminary results from NetworkNature R&I landscape mapping and knowledge gaps collection
- Facilitating factors for R&I to support deployment of effective NbS
 - Momentum = growing awareness of biodiversity loss/higher on policy agenda
 - EU policy in place
 - Social awareness and empowerment
- Barriers for R&I to support deployment of effective NbS
 - Lack of knowledge about benefits of NbS *****
 - Siloed approaches/dominant narratives *****
 - Systematic evaluation indicators and open data ****



Investment in NBS for achieving Green Deal ambitions for the EU

- Philippe Tulkens, Head of Unit, climate and planetary boundaries, European Commission DG Research & Innovation



16.30 – 16.40

Panel: *“How to achieve Ecosystem Restoration targets through joint actions, for NBS”*

- Raysa França, Regional Director for Europe and Central Asia, Youth4Nature
- Richard Scott, Member of the Board, Society for Ecological Restoration
- Jurgen Tack, Scientific Director, European Landowners Organisation
- Silvana di Sabatino, Operandum project coordinator
- Raul Sanchez, UrbanGreenUp project coordinator



16.40 – 17.40

Questions from the audience



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Closing remark

- Anna Jones, Moderator

17.40 – 17.50



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