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European Biodiversity Partnership

BiodivClim Final Events

10-11 June 2025

Comic Art Museum, Brussels (Belgium) & online

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European Biodiversity Partnership

Welcome words & presentation of the objectives of the meeting

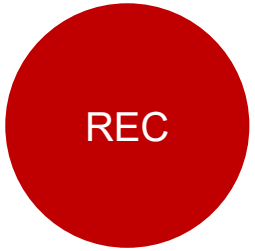
by Ron Winkler, Biodiversa+ co-chair

#BiodivClim

Posting about the BiodivClim Final Events on social media?

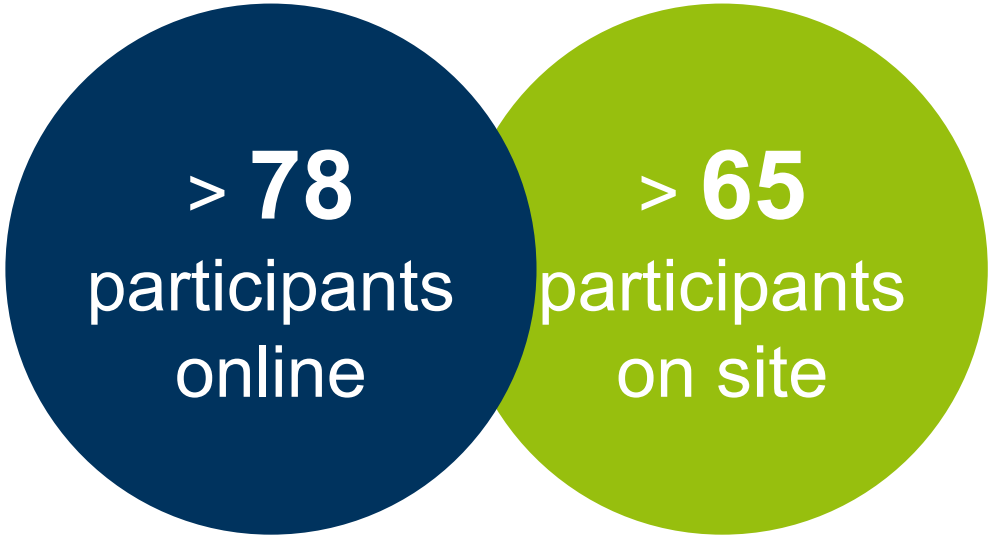
Don't forget to tag @BiodiversaPlus

Some general information



- This meeting is being recorded
  → The recording and slides will be shared on the Biodiversa+ website 👉 biodiversa.eu

- We expect…



Objectives of the BiodivClim Final Events

- To showcase the key achievements of the **BiodivClim Knowledge Hub**: the first Knowledge Hub format under Biodiversa!
- To discover the major research results of the **21 research projects funded under the BiodivClim call**
- To learn more on the developed products to **transfer knowledge and disseminate their results**
- To discuss around this important topic: **biodiversity & climate change!**

Agenda of the day

10:05 – 10:15 Welcome words by the European Commission

10:15 – 12:30 BiodivClim Knowledge Hub Final Conference

12:30 – 14:00 Lunch

14:00 – 14:15 BiodivClim call overview

14:15 – 15:20 Funded projects presentations 1 - Climate-biodiversity feedback processes

15:20 – 15:40 Break

15:40 – 17:20 Funded projects presentations 2 - Consequences of climate change on biodiversity and nature's contributions to people

17:20 – 17:30 Presentation of the BiodivClim comics

17:30 – 19:00 Cocktail

14:00 – 17:20 BiodivClim Knowledge Hub impacts and lessons learned workshop *(for KH members only)*

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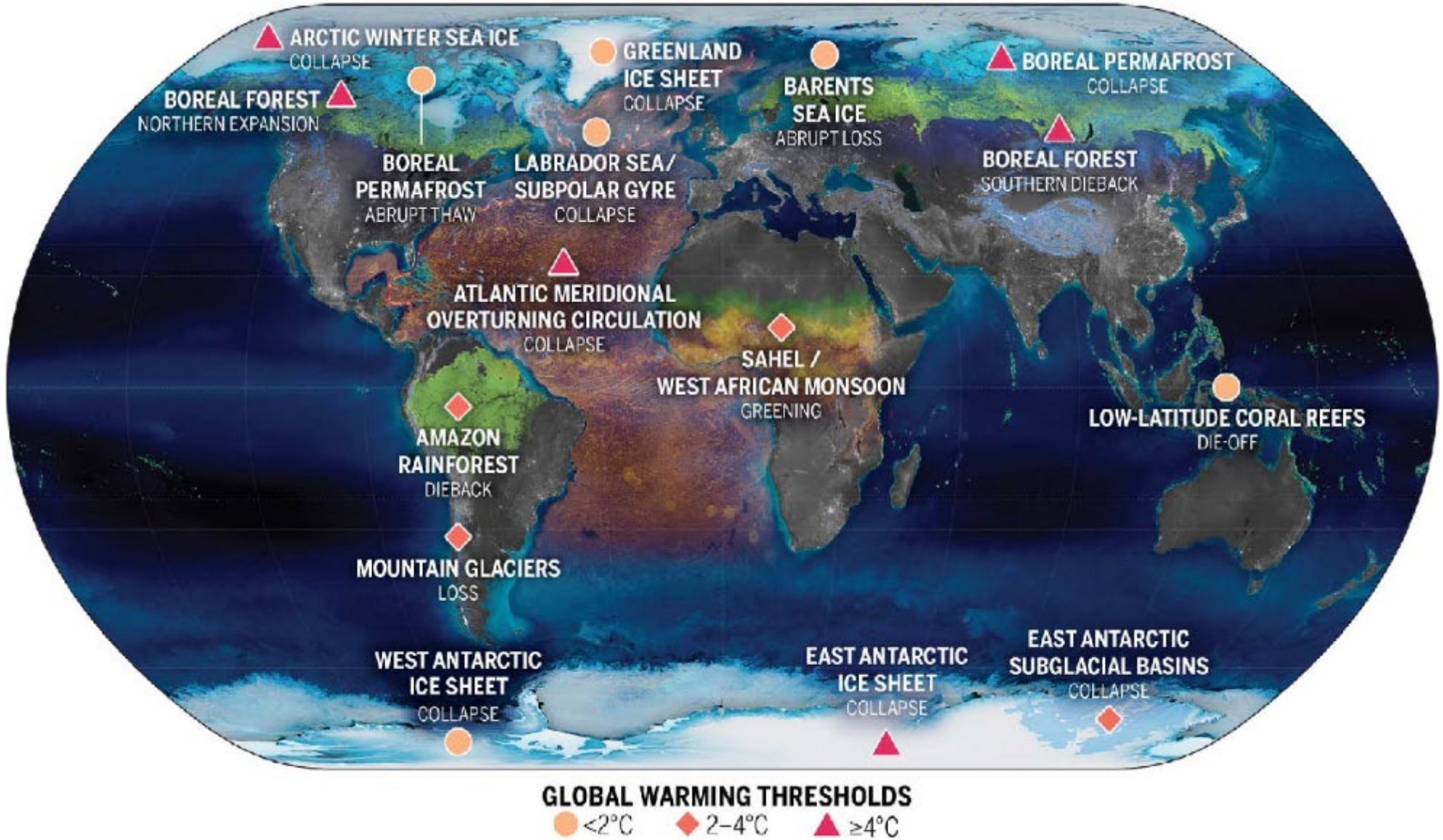
Welcome words by the European Commission

by Karin Zaunberger, DG ENV

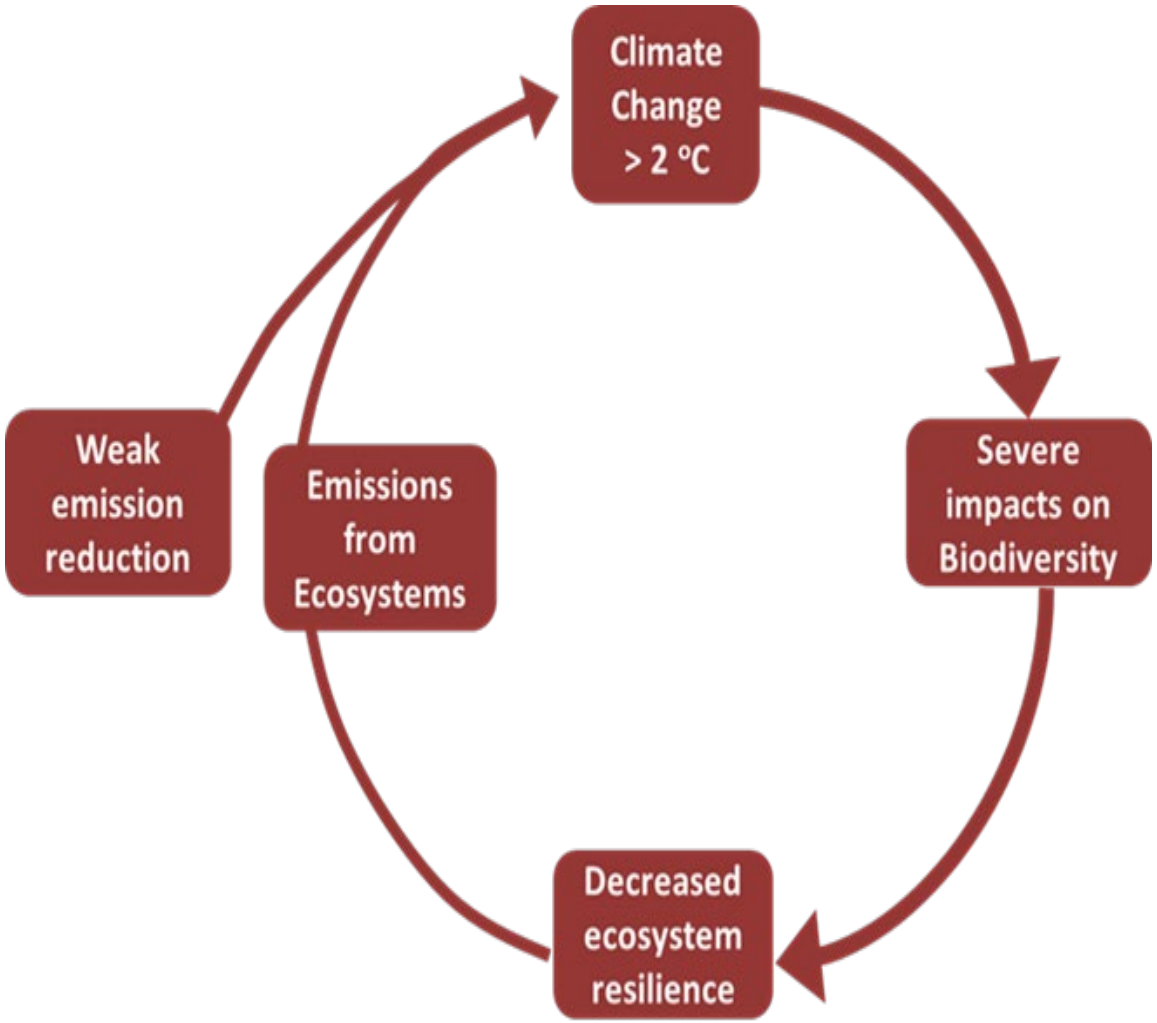
The Biodiversity-Climate Change NEXUS

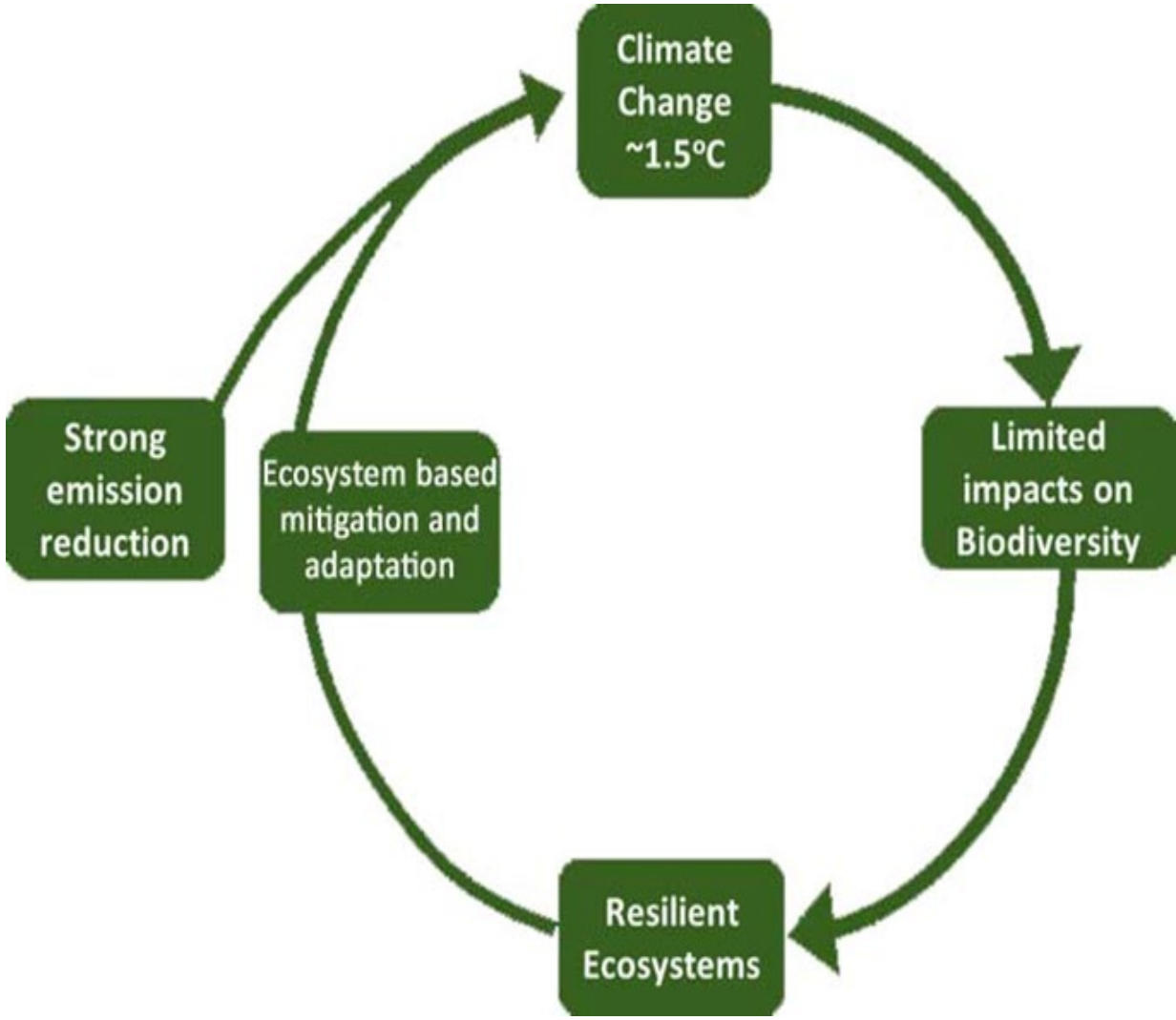
Karin Zaunberger, DG ENV

European Union



Armstrong McKay et al. Science 377, 1171 (2022) 9 September 2022





By courtesy 'Egyptian Initiative'

Kunming Montreal GBF target on climate

- minimize impact of climate change and ocean acidification
- promote nature-based solutions **(as defined in UNEA 5/5)**
- minimize negative and foster positive impacts of climate action on biodiversity

A proposal for mobilization and calls for new models of governance to deal with the climate crisis and the complexities of the 21st century

Second letter from the COP30 Presidency moves from vision to action with details on the call for a **“global mutirão”** against climate change …

Inspired by the encyclical ‘Laudato Si' and the legacy of Pope Francis, the presidency also seeks to broaden global awareness through inclusive dialogues between political, academic, cultural, religious, and community leaders. These spaces must recognize and empower the contributions of indigenous peoples, traditional communities, Afro-descendant groups, youth, women, among others, whose critical perspectives are essential for a more just and effective local and international solutions.

https://cop30.br/en/news-about-cop30-amazonia/second-letter-from-the-cop30-presidency-moves-from-vision-to-action-with-details-on-the-call-for-a-global-mutirao-against-climate-change

BiodivClim Knowledge Hub Final Conference

Introduction to the BiodivClim Knowledge Hub

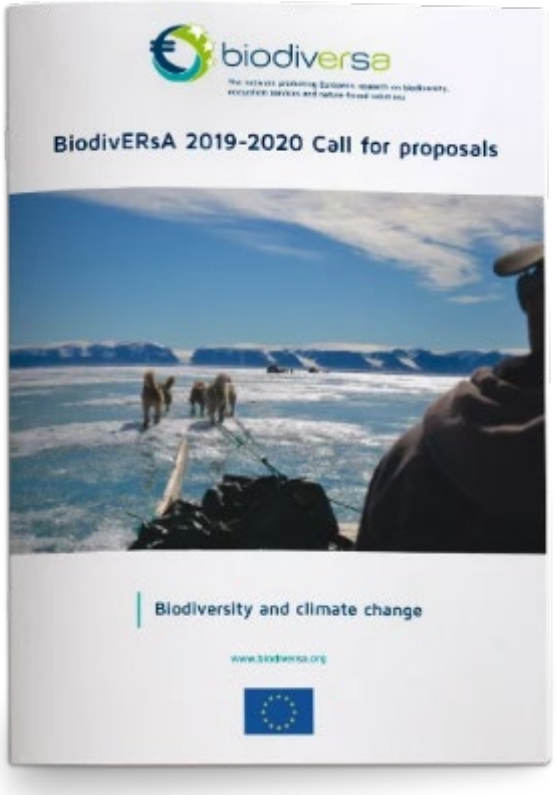
By Ron Winkler, Biodiversa+ co-chair

BiodivClim Knowledge Hub

Nature-based Solutions For Climate Change Adaptation & Mitigation

February 2023 - August 2025

BiodivClim COFUND Action (2019-2025),



Included 2019 Call on Biodiversity & Climate Change

Covering 4 sub-themes:

- Consequences of climate change on biodiversity and nature's contributions to people
- Climate-biodiversity feedback processes
- Potential of nature-based solutions for mitigating and adapting to climate change
- Synergies and trade-offs between policies on biodiversity, climate and other relevant sectors, and the role of agents of change

=> **21 projects representing 19 countries**, total funding amount 25M€

Series of other activities, including setting up a Knowledge Hub on biodiversity & climate change

=> BiodivClim knowledge hub born in **February 2023** ☺

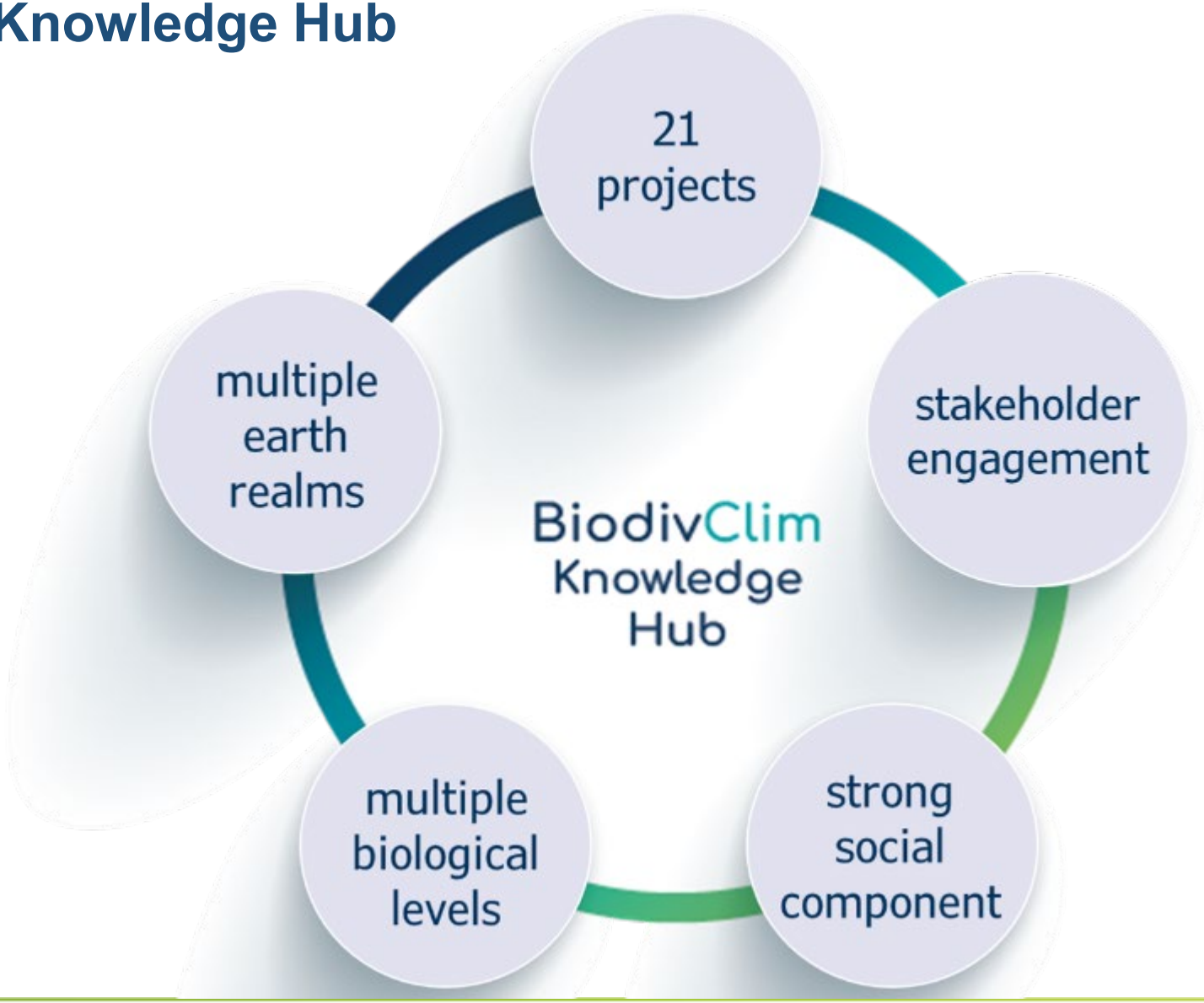
BiodivClim COFUND Action (2019-2025),

now continued under the European Biodiversity Partnership (Biodiversa+)

41
Countries

83
Partners

The BiodivClim Knowledge Hub



The BiodivClim Knowledge Hub

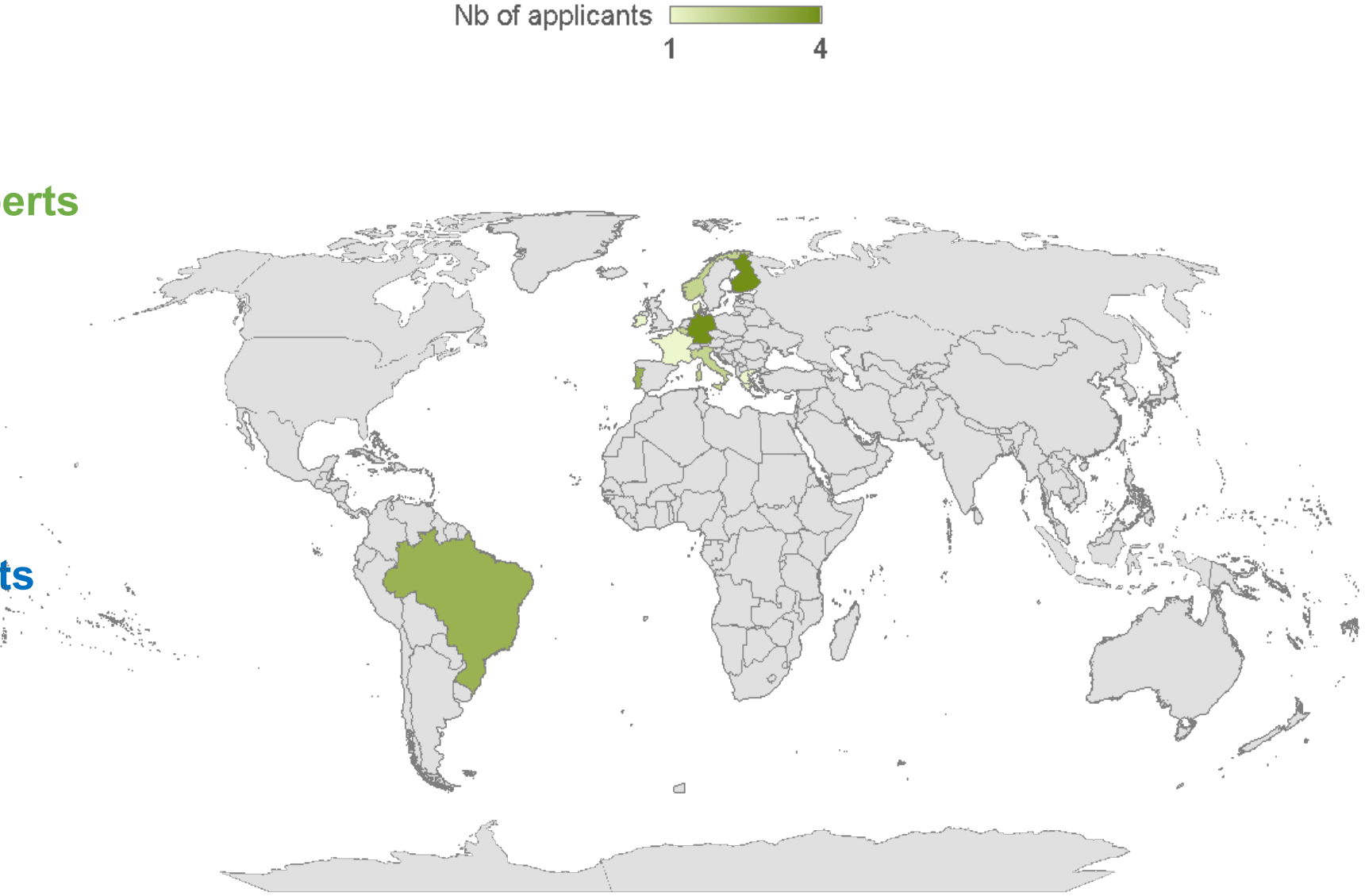
2 Task Forces

Technical Task Force – 16 experts

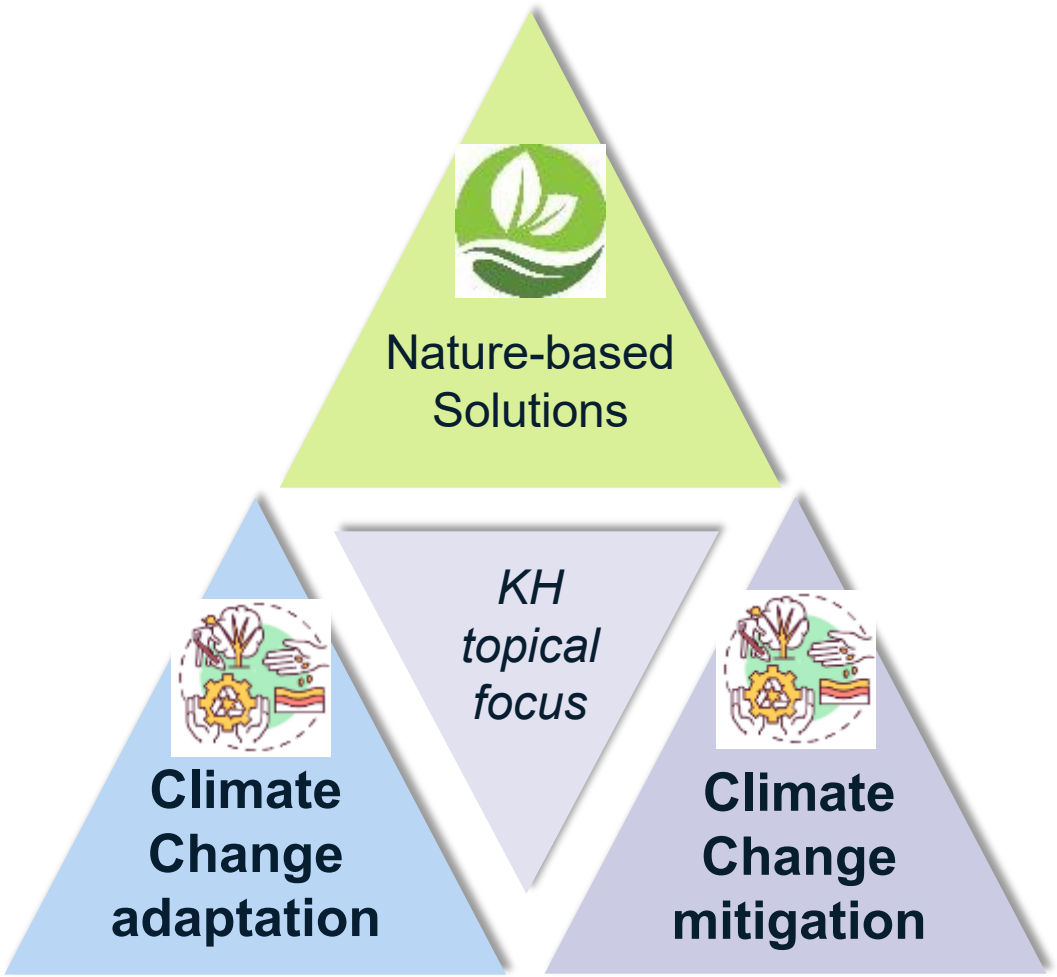
11 BiodivClim funded projects
2 Biodiversa+ funded calls
1 Horizon 2020 RIA funded project
1 IPBES/IPCC
1 FACCE JPI

SSI-SPI Task Force – 16 experts

9 BiodivClim funded projects
5 Horizon 2020 RIA funded projects
1 IPBES/IPCC
1 Climate JPI



The BiodivClim Knowledge Hub – specific focus on NBS for climate change adaptation & mitigation



Climate change

Adaptation

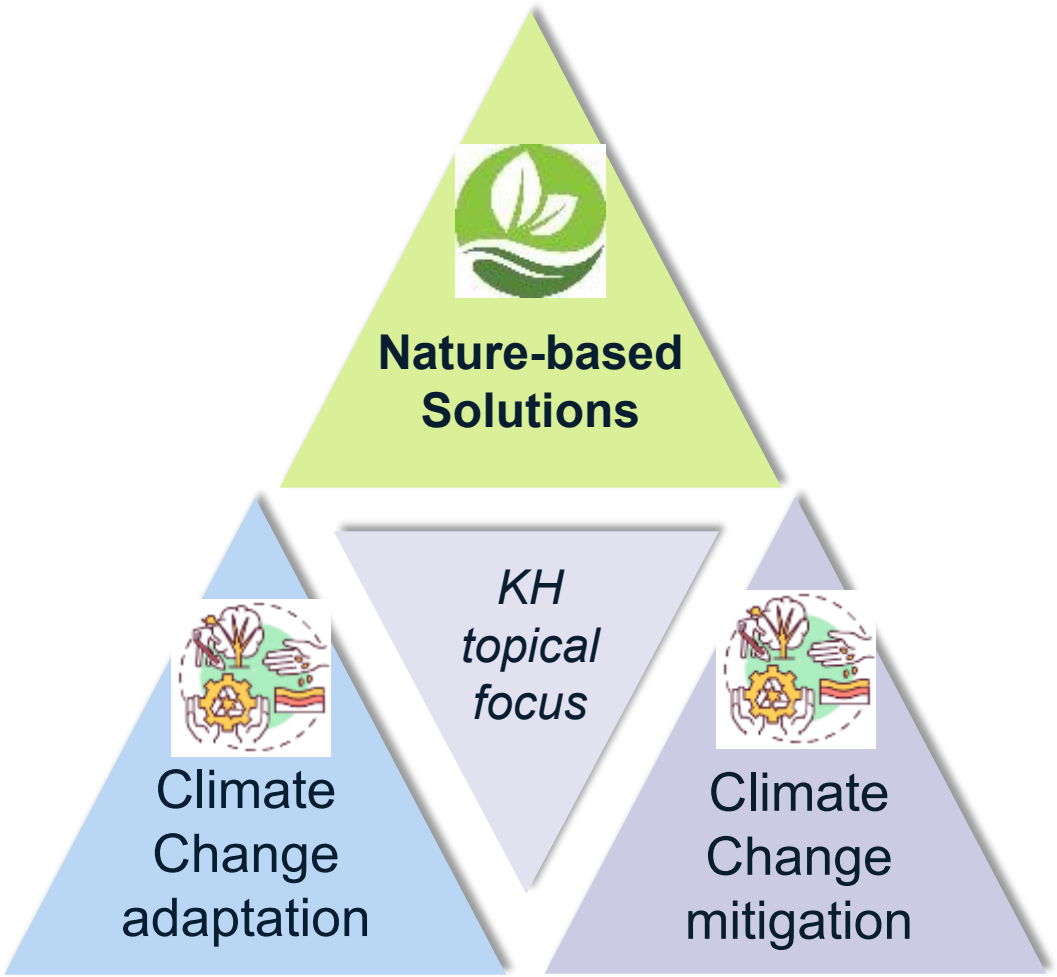
Process of adjusting to the current and future effects of climate change

Mitigation

Human interventions that reduces the sources of GHG emissions and/or enhances the sinks

European Environment Agency

The BiodivClim Knowledge Hub – specific focus on NBS for climate change adaptation & mitigation



Nature-based Solutions

Actions to protect, conserve, restore, sustainably use and manage natural or modified ecosystems which address social, economic and environmental challenges effectively and adaptively simultaneously providing human well-being, ecosystem services and resilience and biodiversity benefits

UN environment assembly

BiodivClim Knowledge Hub Final Conference

Presentation of BiodivClim Knowledge Hub key achievements

By Pedro Pinho (Knowledge Hub co-chair, BiNatUr)
& Rita Sousa-Silva (Knowledge Hub co-chair, MixForChange)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The BiodivClim Knowledge Hub's projects

Land systems, incl. agriculture and forestry

RESTORE
NAPI BIODIVERSIDADE

NAPERDIV

LIÈGE université
BIOFAIR

ACORN

PlantCline

TreeDivNet
MixForChange

GRADCATCH

SUSTAIN-COCOA

MICROSERVICES
A BiodivERsA Project

Arctic

FutureArcticLives

Coastal & marine systems

REST-COAST

Future MARES

COAST

Urban areas

UNaLab
URBAN NATURE LABS

NICHES

BiNatUr

JUST NATURE

GO GREEN ROUTES

CONEXUS

Other

ipbes
Science and Policy for People and Nature

EVOKED

GloBAM
monitoring, understanding & forecasting global biomass flows of aerial migrants

The BiodivClim Knowledge Hub – from gaps and barriers to science-policy-society interfaces

Technical Task Force

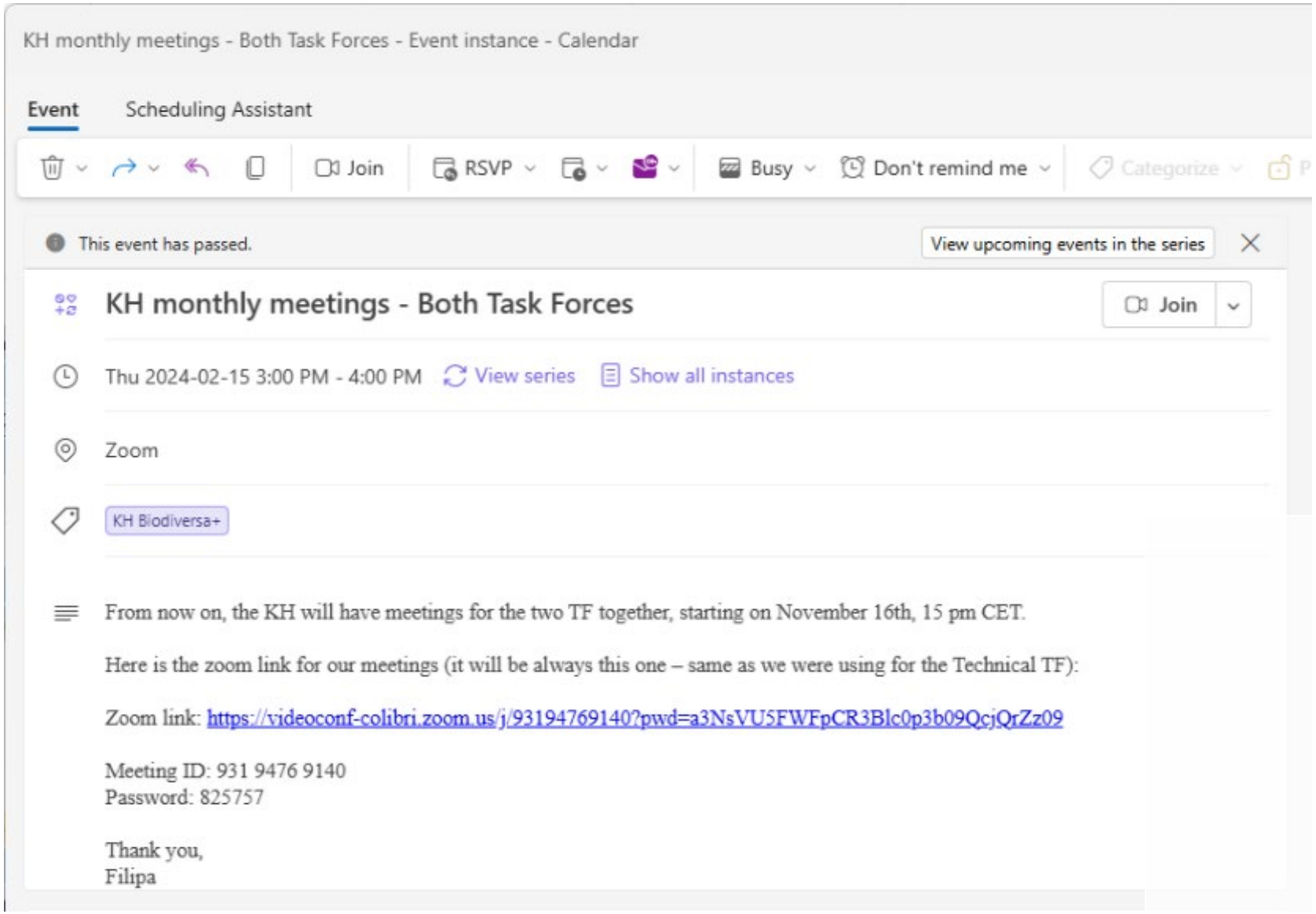
Pedro Pinho
BiNatUr
University of Lisbon,
Portugal

Filipa Grilo
BiNatUr
University of Lisbon,
Portugal

SSI-SPI Task Force

Rita Sousa Silva
MixForChange
Leiden University,
The Netherlands

Myron Peck
FutureMARES
NIOZ
The Netherlands


KH monthly meetings - Both Task Forces - Event instance - Calendar
Event
Scheduling Assistant
Join
RSVP
Busy
Don't remind me
Categorize
This event has passed.
View upcoming events in the series
KH monthly meetings - Both Task Forces
Join
Thu 2024-02-15 3:00 PM - 4:00 PM
View series
Show all instances
Zoom
KH Biodiversa+
From now on, the KH will have meetings for the two TF together, starting on November 16th, 15 pm CET.
Here is the zoom link for our meetings (it will be always this one – same as we were using for the Technical TF):
Zoom link: https://videoconf-colibri.zoom.us/j/93194769140?pwd=a3NsVU5FWFpCR3Blc0p3b09QcjQrZz09
Meeting ID: 931 9476 9140
Password: 825757
Thank you,
Filipa

The BiodivClim Knowledge Hub – from gaps and barriers to science-policy-society interfaces

Enhancing research collaborations, knowledge/data sharing & academic outputs

Support science-policy/science-society interfacing to increase the impact of funded research

Technical Task Force

SSI-SPI Task Force

Knowledge gaps
Which gaps in knowledge limit the development of NBS?

Implementation barriers
What barriers prevent a wider use of NBS?

Policy briefs informed from ongoing projects and aimed at policy makers

Face-to-face interaction among key stakeholders to ensure project outcomes are strengthened and supported by society

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Knowledge gaps for Nature-based Solutions

Objective: to map **research gaps** for using Nature-based Solutions in climate change mitigation and adaptation and point **future research directions**, contributing to setting research agendas funding priorities for future research on NbS for climate change mitigation and adaptation.

→ Submitted to "BioScience", Oxford Academic (IF=8.1)

Knowledge gaps for Nature-based Solutions

Methods: leveraging the collective expertise of 25 project PIs and participants from 21 NbS-focused projects funded under the Biodiversa+ BiodivClim Knowledge Hub and the EU's Horizon Research and Innovation Funding Programme.

Filipa GRILO[1*], Pelin ACAR[2], Teresa AMARO[3], Chiara BALDACCHINI[4], Benjamin DUMONT[5], Aline FROSSARD[6], Sonja GANTIOLER[7], Joannès GUILLEMOT[8], Frédéric LEMAÎTRE[9], Salvador LLADÓ[10], Roxanne S. LORILLA[11], Simone MEREU[12], Amy M.P. OEN[13], André L.M. OLIVEIRA[14], Halley C. OLIVEIRA[15], Martin R. NIELSEN[16], Myron A. PECK[17], Frank RASCHE[18], Agustin SÁNCHEZ-ARCILLA[19], Rita SOUSA-SILVA[20], Martijn L. VANDEGEHUCHTE[21], Kati VIERIKKO[22], Nadja WEISSHAUPT[23], Tom C. WILD[24], Pedro PINHO[25]

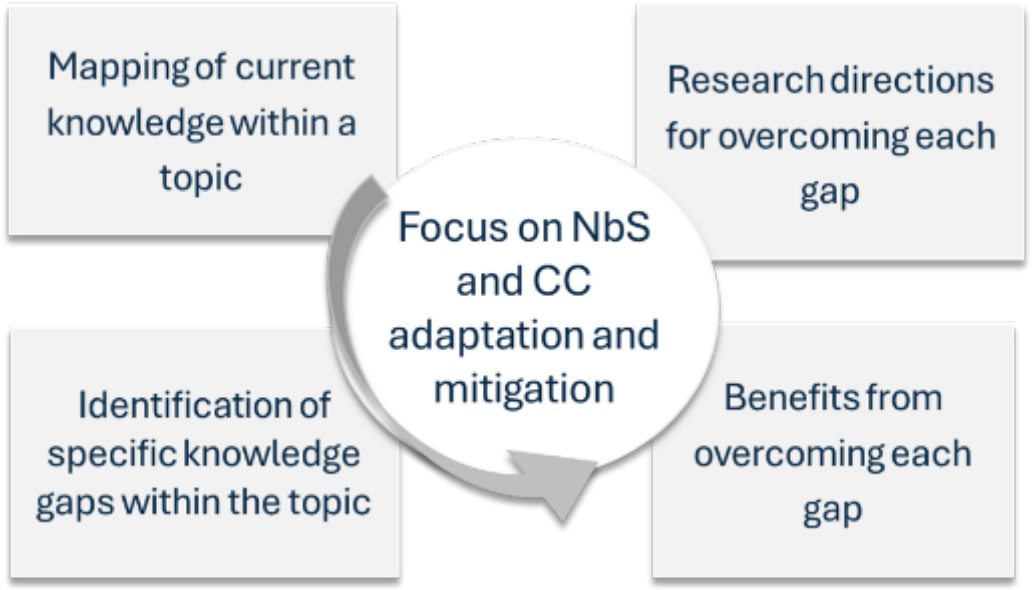
Knowledge gaps for Nature-based Solutions

Methods: a structured approach:

i) current knowledge

ii) key knowledge gaps

iii) strategies to overcome the gaps



Gaps reviewed by all authors for contradictions and complementariness

Knowledge gaps for Nature-based Solutions

Results: 27 research gaps, distributed across multiple types of habitat and area of science

Knowledge gaps for Nature-based Solutions

2.1. Justice and Governance

Considering environmental justice in NbS research
Improving evidence for causality and generalizability of NbS impacts on human health
Assessing trade-offs and power dynamics in NbS governance with a focus on the Global South

2.2. Actionable Knowledge

Actionable understanding of stakeholder engagement for co-creating and co-implementing NbS
Considering people-centered forest landscape restoration as an equitable and efficient large-scale NbS

2.3. Collaborative Scenarios

Integrated scenarios development for future urban NbS functioning under a changing climate
Understanding NbS potential under future socio-economic scenarios

2.4. Socio-Economic Systems

Enhancing NbS efficiency for climate action across socio-ecological systems
Assessing economic benefits and scaling up NbS in the Global South

2.5. NbS Functioning and Monitoring

Advancing long-term monitoring of NbS
Using traits as global indicators to assess the ecological resilience of NbS
Disentangling the effects of climate change on NbS from effects of other drivers
Considering biotic interactions in NbS as main drivers of ecosystem services

2.6. Aquatic Habitats

Assessing blue carbon stocks and NbS in coastal marine ecosystems
Quantifying the importance of NbS in reefs and seagrass meadows to increase the functional connectivity between marine protected areas
Assessing the resilience of coastal NbS to reduce risks under climate change and anthropization
Understanding the factors controlling the functioning of NbS based on intermittent rivers and ephemeral streams

2.7. Forested and Agricultural Landscapes

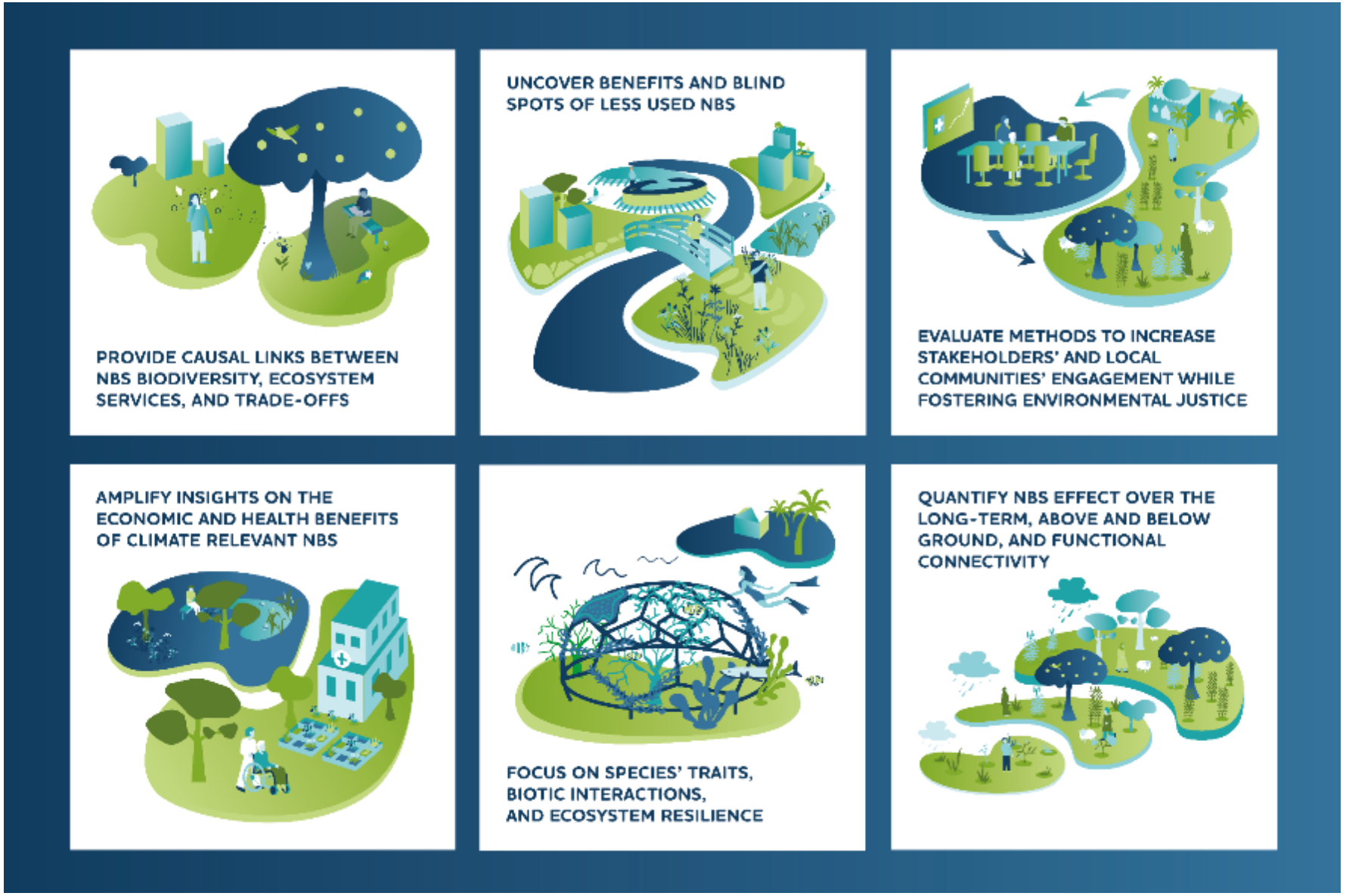
Considering intraspecific diversity in NbS for climate resilience
Increasing forest resilience to climate change by mixing tree species
Improving the knowledge of the genetic and phenotypic diversity of crop wild relatives
Assessing the potential of perennial grain crops as a NbS to enhance ecological functioning in agro-ecosystems
Understanding the cascading effects of soil management on soil biodiversity and the provision of ecosystem services

2.8. Urban settings

Assessing the role of urban NbS in supporting transformative change
Assessing the economic and aesthetic values of more biodiverse NbS for urban climate adaptation
Understanding the economic and ecological benefits of genetic diversity in urban forestry to enhance NbS for climate resilience
Mapping and characterizing small-scale NbS in cities
Quantifying the contribution of NbS to water and biomass circularity in cities

Knowledge gaps for Nature-based Solutions

Research avenues identified six research avenues to overcome the 25 research gaps and foster the use of NbS for climate change mitigation and adaptation


PROVIDE CAUSAL LINKS BETWEEN NBS BIODIVERSITY, ECOSYSTEM SERVICES, AND TRADE-OFFS
UNCOVER BENEFITS AND BLIND SPOTS OF LESS USED NBS
EVALUATE METHODS TO INCREASE STAKEHOLDERS' AND LOCAL COMMUNITIES' ENGAGEMENT WHILE FOSTERING ENVIRONMENTAL JUSTICE
AMPLIFY INSIGHTS ON THE ECONOMIC AND HEALTH BENEFITS OF CLIMATE RELEVANT NBS
FOCUS ON SPECIES' TRAITS, BIOTIC INTERACTIONS, AND ECOSYSTEM RESILIENCE
QUANTIFY NBS EFFECT OVER THE LONG-TERM, ABOVE AND BELOW GROUND, AND FUNCTIONAL CONNECTIVITY

The BiodivClim Knowledge Hub – from gaps and barriers to science-policy-society interfaces

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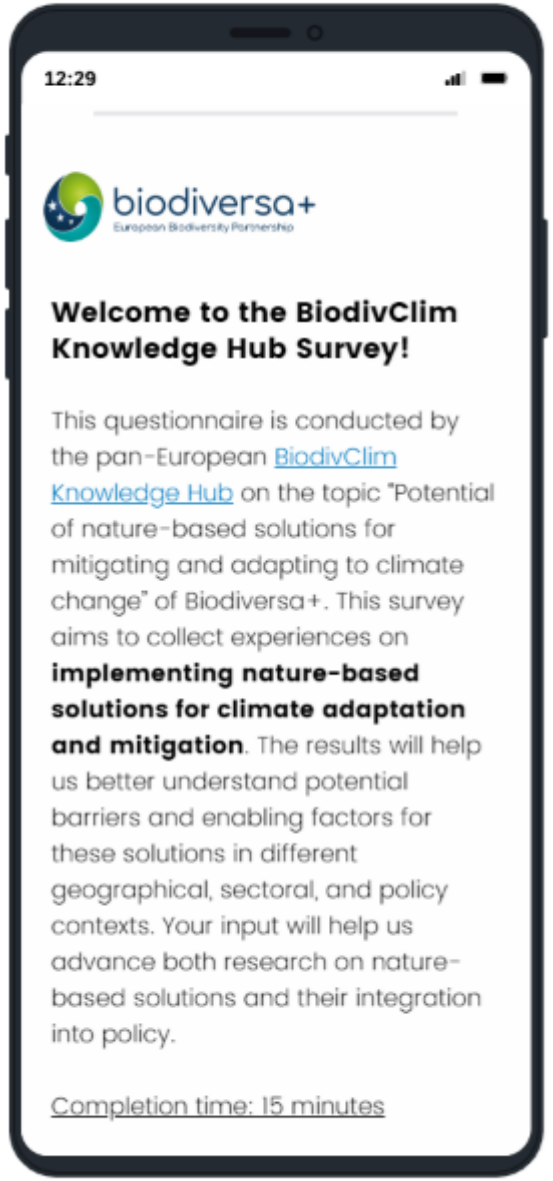
Welcome to the BiodivClim Knowledge Hub Survey!

This questionnaire is conducted by the pan-European BiodivClim Knowledge Hub on the topic "Potential of nature-based solutions for mitigating and adapting to climate change" of Biodiversa+. This survey aims to collect experiences on **implementing nature-based solutions for climate adaptation and mitigation**. The results will help us better understand potential barriers and enabling factors for these solutions in different geographical, sectoral, and policy contexts. Your input will help us advance both research on nature-based solutions and their integration into policy.

Completion time: 15 minutes

Your responses are strictly confidential and anonymous. We will **not** ask for any personal identifying information such as name, email address, name of your organisation, etc. You can opt out of taking part at any time.

If you have any questions about the research or how we intend to conduct the study, please contact the researcher at a.r.de.sousa.e.silva@cml.leidenuniv.nl or the BiodivClim Knowledge Hub at patricia.kammerer@fondationbiodiversite.fr.



Survey

Barriers to the implementation of nature-based solutions?

#BiodivClim Knowledge Hub

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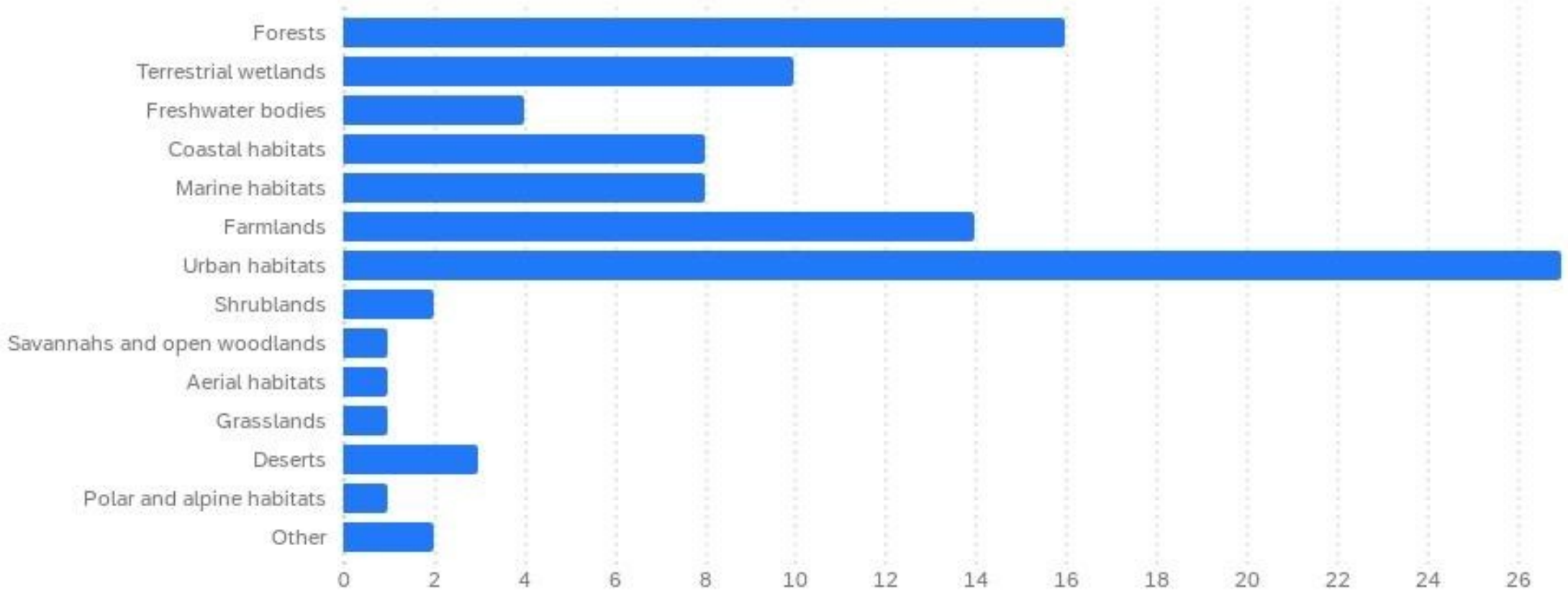
European Biodiversity Partnership

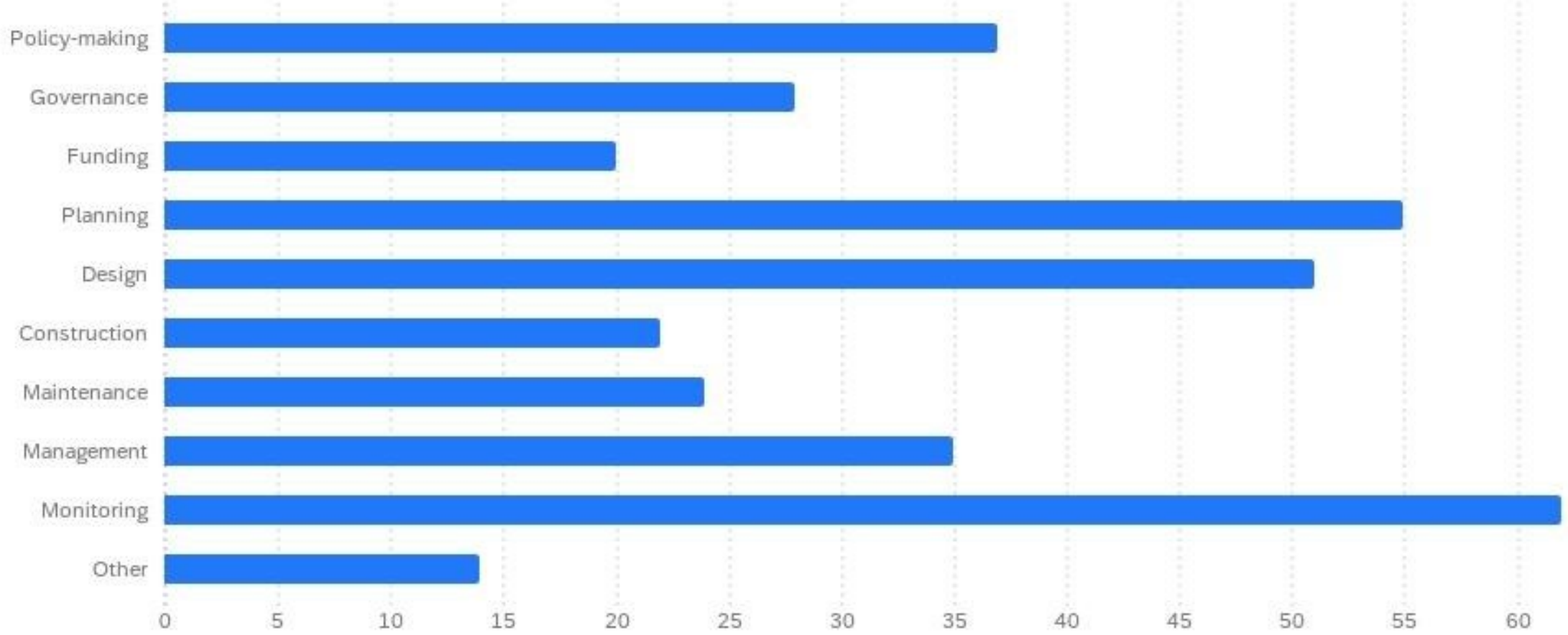
Co-funded by
the European Union

Survey
Habitat



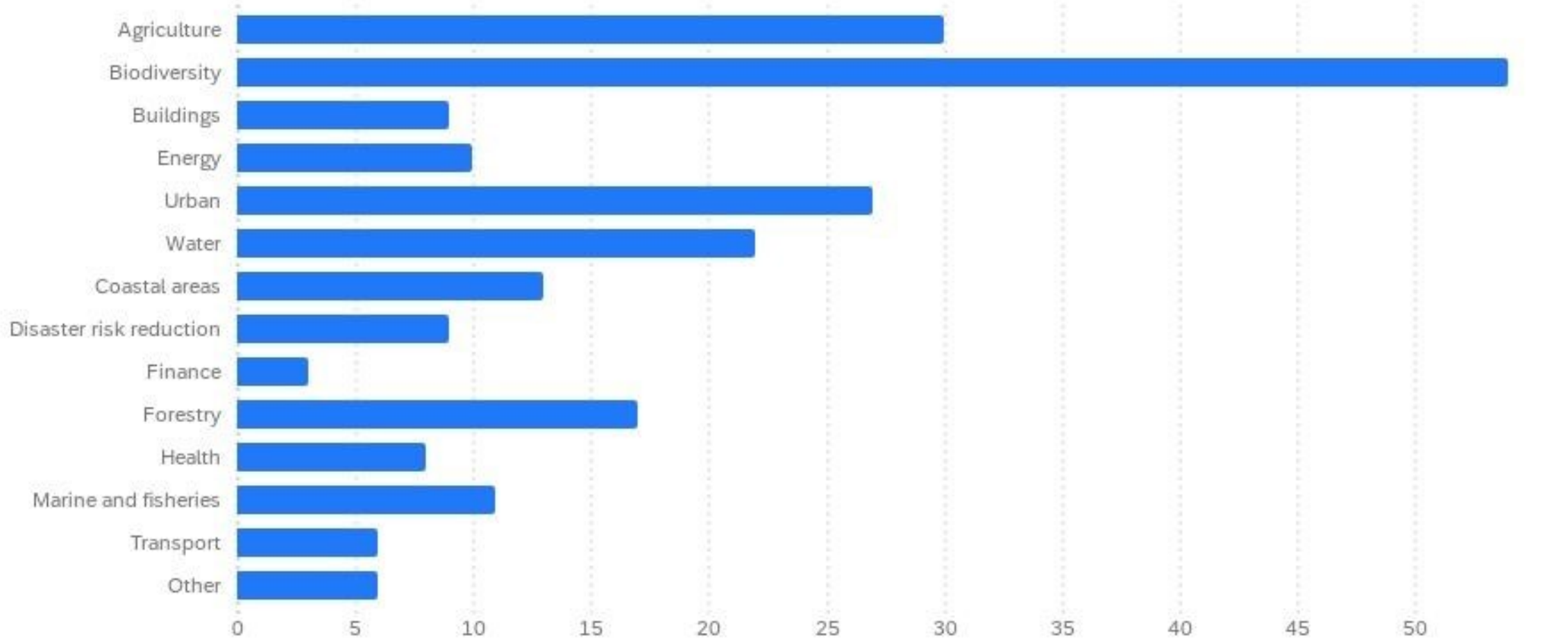
N = 98

Survey
Implementation stage



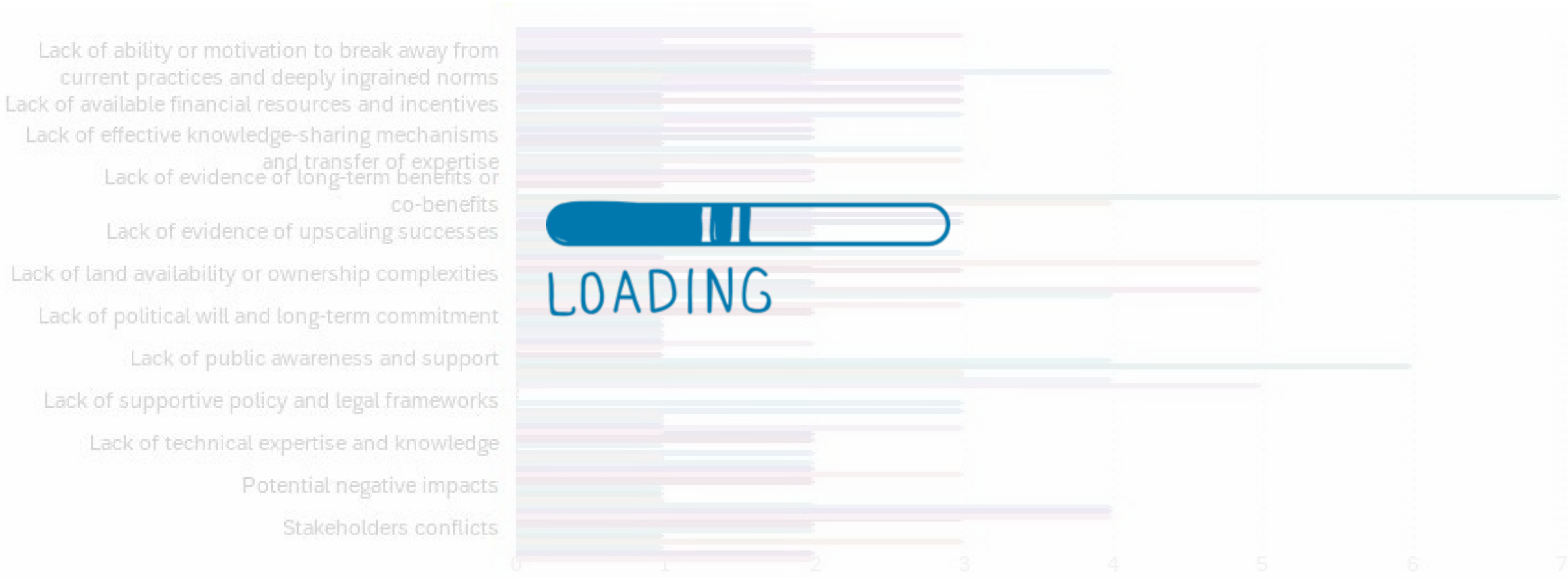
N = 127

Survey
Policy sector



N = 85

Survey
Barriers



N = 98

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Booklet of Key Results of 7 Horizon 2020 Projects

Science for Policy Workshop
Biodiversity and Climate Change, 26 June 2023

Freshwater: *Dryver, PONDERFUL*

Marine/coastal: *FutureMARES, MaCoBios*

NBS for hydromet risks: *OPERANDUM, PHUSICOS, RECONECT*

Interactive index

European Commission

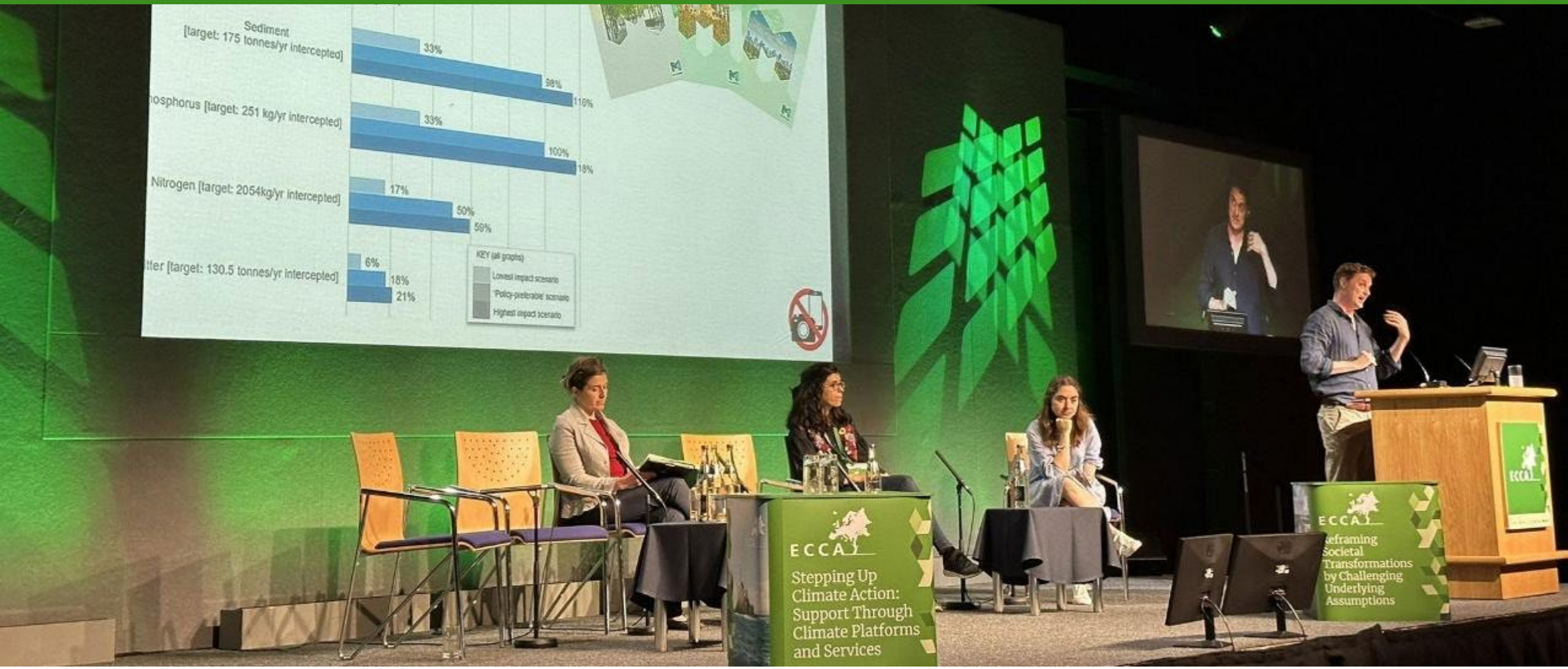
Knowledge Hub projects

PROJECT NAME	START DATE	END DATE	WEBSITE
JUSTNature – Activation of NATURE-based solutions for a JUST low carbon transition	01/09/2021	28/02/2026	www.justnatureproject.eu
MICROSERVICES – Predicting climate change impacts on the crop microbiome and cascading effects on ecosystem services delivery in agroecosystems	01/04/2021	31/03/2025	www.microservices.ethz.ch
MixForChange – Mixed Forest plantations for climate Change mitigation and adaptation	01/01/2021	31/12/2024	www.mixforchange.cirad.fr
NAPERDIV – Nature-based perennial grain cropping as a model to safeguard functional biodiversity towards future-proof agriculture	01/03/2021	28/02/2025	www.naperdiv.uni-hohenheim.de
NICHES – Nature's Integration in Cities' Hydrologies, Ecologies and Societies	01/04/2022	31/03/2025	www.niches-project.eu
PlantCline – Adapting Plant genetic diversity to Climate change along a continental latitudinal gradient	01/03/2021	28/02/2025	www.slu.se/en/subweb/plantcline/
REST-COAST – Large scale RESToration of COASTal ecosystems through rivers to sea connectivity	01/10/2021	31/03/2026	www.rest-coast.eu
RESTORE – (natuRe-basEd SoluTions for imprOving REforestation) - Innovative biotechnological strategies to improve tree drought tolerance and microbial diversity for forest restoration purposes: the application of plant associative microorganisms and nature-based materials	01/04/2021	31/03/2025	www.biodiversa.eu/2022/10/26/restore/
SUSTAIN-COCOA – Sustainable sourcing policies for biodiversity protection, climate mitigation, and improved livelihoods in the cocoa sector	01/01/2021	31/12/2024	www.epl.ethz.ch/research/SUSTAIN-COCOA.html
UNaLab – Urban Nature Labs	01/06/2017	30/11/2022	www.unalab.eu

European Commission


ECCA
6th European
Climate Change
Adaptation
Conference
June 19th – 21st, 2023
Dublin, Ireland
6th European
Climate Change
Adaptation

ECCA 2023 - European Climate Change Adaptation Conference



ECCA 2023 - European Climate Change Adaptation Conference

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BiodivClim ERA-NET COFUND
Biodiversity and Climate Change

WBF 2024 - World Biodiversity Forum

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European Biodiversity Partnership

BiodivClim ERA-NET COFUND
Biodiversity and Climate Change

WBF 2024 - World Biodiversity Forum

PESC 2025
Brussels, 10-13 March 2025

Pan-European Stakeholder Consultation (PESC) – RESPIN Meeting

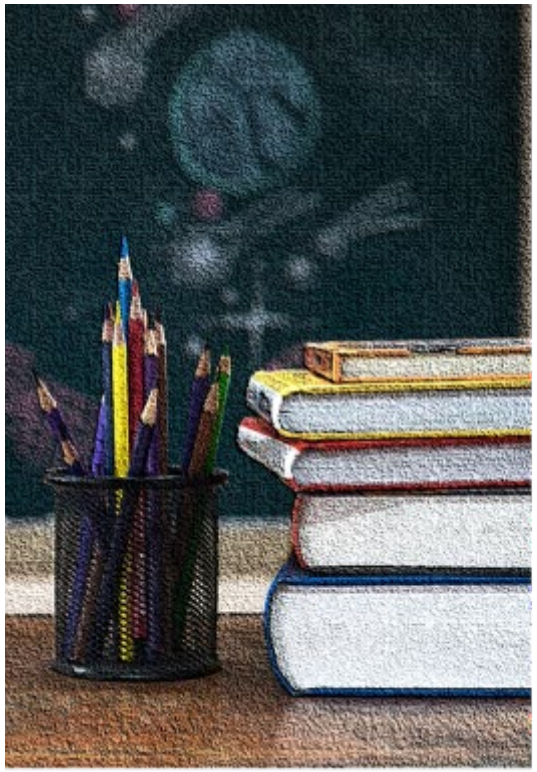
biodiversa+
European Biodiversity Partnership

BiodivClim Knowledge Hub Final Conference

Added value for researchers

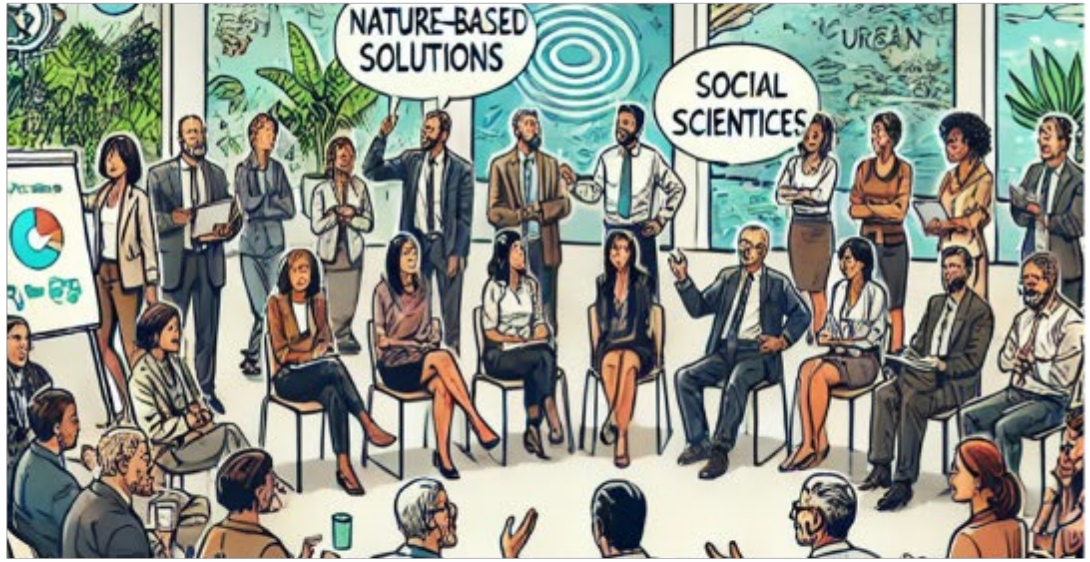
By Pelin Acar (ACORN)

BiodivClim Knowledge Hub Final Conference



A Knowledge Hub Experience
Nature-based Solutions For Climate Change Adaptation & Mitigation
Dr. Pelin Acar | Technical Task force, BiodivClim KH Member

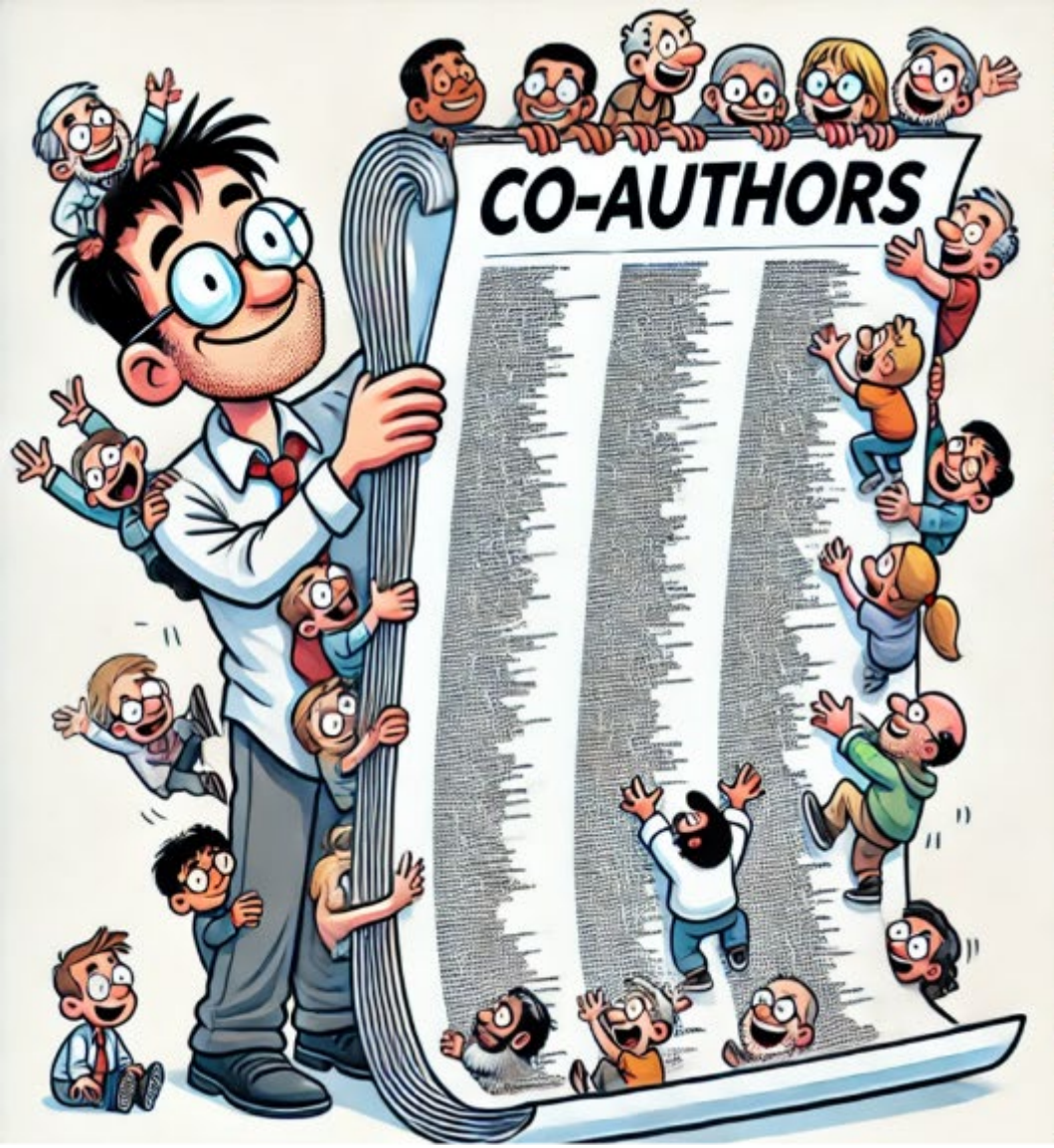

ACORN
Project
Work Packages
Partners
News
Contact
ACORN
identifying seed sources for highly adaptable
oak forests in a changing climate

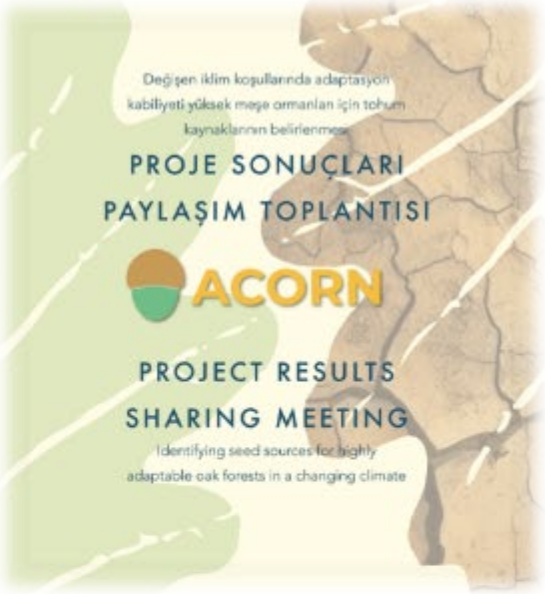

NATURE-BASED SOLUTIONS
SOCIAL SCIENTICES
URBAN


Speaker View
Mortimer
Biscuit
Security
Participants
4
Chat
Share Screen
Record
Reactions
End Meeting


Doğa odaklı çözümler!
Dutch
Norwegian
Portuguese
French
Spanish
Italian
Turkish
German
Danish
Swedish
Finnish
Greek
English


WORLD


CO-AUTHORS


Değişen iklim koşullarında adaptasyon
kabiliyeti yüksek meşe ormanları için tohum
kaynaklarının belirlenmesi
PROJE SONUÇLARI
PAYLAŞIM TOPLANTISI
ACORN
PROJECT RESULTS
SHARING MEETING
Identifying seed sources for highly
adaptable oak forests in a changing climate


MİLLİ
BOTANİK
BAHÇESİ
8-10 NİSAN
ÇALIŞTAY
OĞA TEMELLİ ÇÖZÜMLER OLARAK GÖLCÜKLE
GÖLCÜK OLUŞTURMA, RESTORASYON VE BAKIM

pelin.acar@tarimorman.gov.tr; pelin.acar@senckenberg.de

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European Biodiversity Partnership

BiodivClim Knowledge Hub Final Conference

Added value for researchers

By Sonja Gantioler (JUSTNature)

How it all began…or once upon a time

JUST—
NATURE

The overall objective of JUSTNature is the activation of nature-based solutions (NbS) by ensuring a just transition to low-carbon cities, based on the principle of the right to ecological space.

How it all began…apply or not apply?

BiodivClim ERA-NET COFUND – Biodiversity and Climate Change

The BiodivClim Knowledge hub will be composed of two task forces:

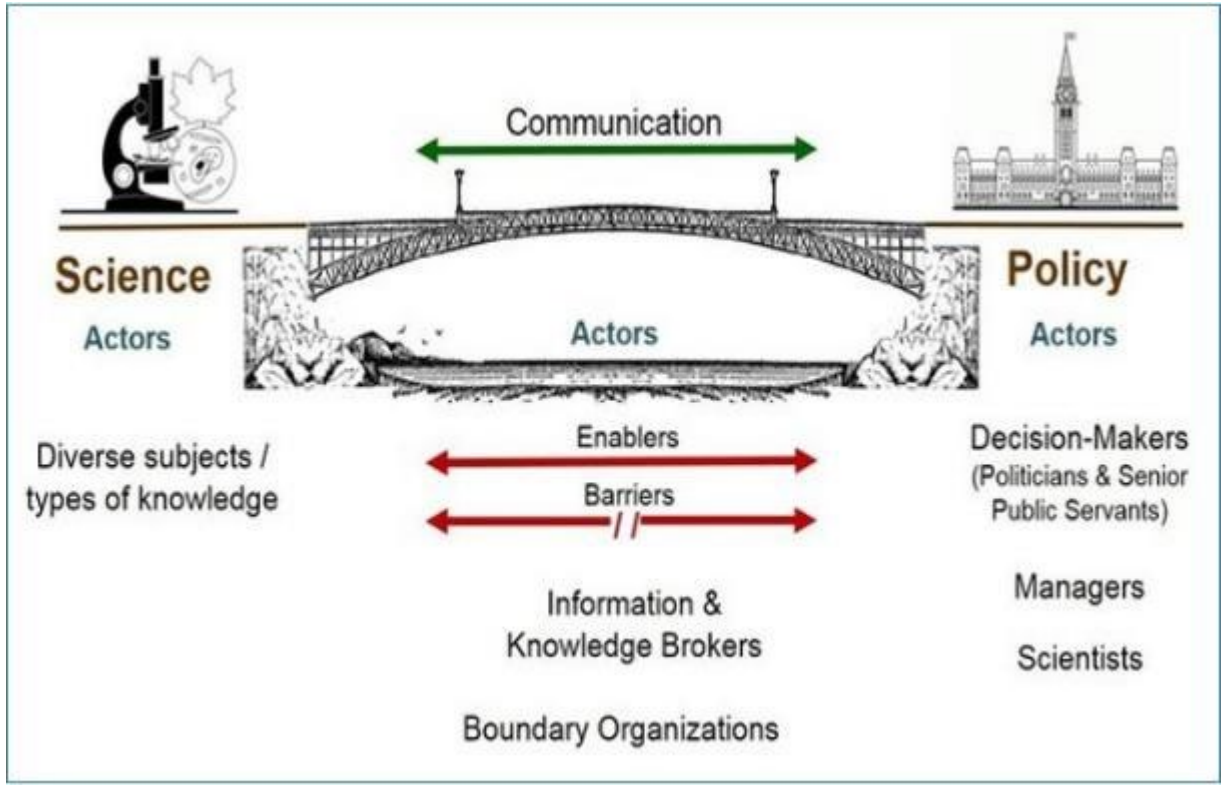
- A '**Technical Task Force**' focusing on enhancing research collaborations, knowledge and data sharing and academic outputs.
- A '**Science-Policy-Society Interfacing (SPI/SSI) Task Force**' focusing on science-policy/science-society interfacing to increase the impact of funded research.

Each task force will work on a specific work plan and set of activities – that will be co-designed with the task forces once set-up. In addition, joint activities between both Task Forces could be developed which could lead to joint outputs such as (1) a Knowledge Hub Conference, (2) Impacts of the Knowledge Hub & Lessons learned, (3) Infographics.

Each task force will be **led by two Co-Chairs**, one of them will be an early career researcher. Both will be BiodivClim researchers or external researchers with proven links to Biodiversa-funded research projects, documented expertise and time available to conduct this role.

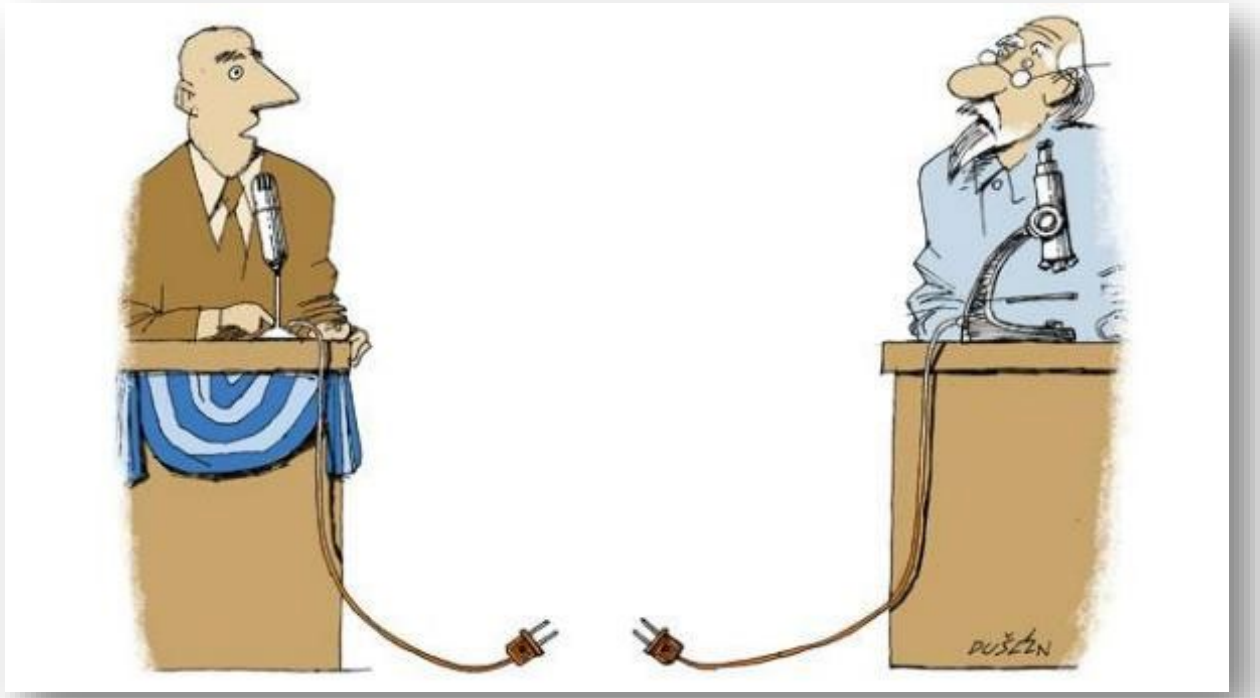
Each Task Force will be composed of ca. 25 participants, encouraging gender balance, regional balance and engagement of different disciplines (natural scientists/ social scientists). Participation of early career researchers[1] and researchers with a small research community and with lower performance in international calls will be particularly welcome to encourage integration of these researchers in broader international research communities. This composition will remain fixed throughout the lifetime of the Knowledge Hub.

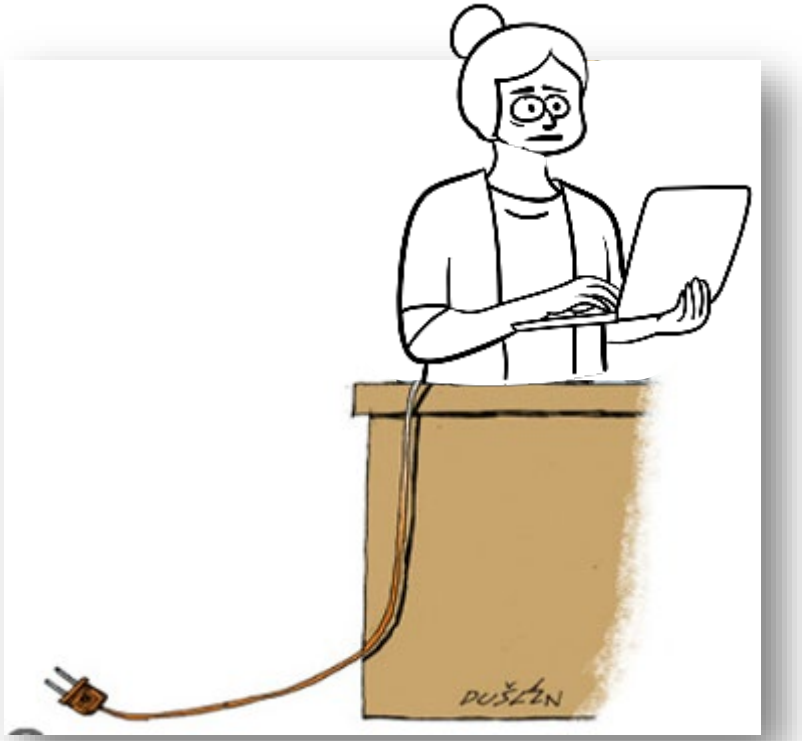
The Task Forces will be supported by the BiodivClim Secretariat.



The journey begins…The very first days

The journey begins…What's the science here?





The journey continues…the art of co-creation

Example of a possible paragraph (what we know; what we do not know; ideas to overcome gaps and respective benefits; specific directions for future work):

It's well known that aquatic NBS such as infiltration ponds contribute to adapt cities to climate change, by increasing water retention and infiltration and reducing runoff and ultimately avoiding flash floods (10.3390/w13162165). However, we currently do not understand how to create more efficient aquatic NBS, mostly because we lack the knowledge that could allow modelling NBS response to rain events. One way to overcome this gap could be to characterize the water residence time in NBS, which could function as an indicator of for how long water can be used in ecosystem functioning and provision of ecosystem services (e.g. microclimate regulation) and support local biodiversity. This could be done e.g. by looking at aquatic NBS water isotopic composition (10.1007/s11104-019-03947-9) across seasons and considering different types of aquatic NBS (e.g. temporary versus permanent ponds).
Research direction: study water residence time in aquatic NBS to model its response to climate change.

Field of Knowledge	Classification field of knowledge (1-5)										
	Nadja	Simone	Teresa	Tom	Sonja	Halley	Pelin	Andre	Martijn	Pedro	Filipa
Natural sciences	5	5	5	5	5	5	4	5	5	5	5
Engineering and technology	3	3	4	3	3	3	3	3	3	2	3
Medical and health sciences	1	2	3	3	1	1	1	3	1	1	3
Agricultural sciences	4	5	4	5	4	4	4	4	4	3	4
Social sciences	1	2	2	3	2	2	1	2	2	1	1
Humanities	1	2	2	2	1	2	2	2	2	1	1

Habitat	Classification habitat (1-5)										
	Nadja	Simone	Teresa	Tom	Sonja	Halley	Pelin	Andre	Martijn	Pedro	Filipa
Forests	5	5	5	3	5	5	4	5	5	5	5
Terrestrial wetlands	5	5	5	5	5	5	5	5	5	5	5
Freshwater	2	5	5	3	4	5	4	4	4	5	4
Coastal areas	2	5	5	?	4	?		4	4	4	4
Marine environment	4	5	5	?	5	?	None	4	2	1	5
Agricultural land	4	4	4	3	4	3	3	4	5	3	4
Urban settings	4	5	4	5	5	5	5	5	5	2	5
Shrublands/ grasslands/ bare/sparse vegetation	5	5	4	5	5	5	4	5	5	5	5

1 **Nature-based solutions in climate change mitigation and adaptation: knowledge gaps and research directions**

Filipa GRILO[1*], Pelin ACAR[2], Teresa AMARO[3], Chiara BALDACCHINI[4], Benjamin DUMONT[5], Aline FROSSARD[6], Sonja GANTIOLER[7], Joannès GUILLEMOT[8], Frédéric LEMAÎTRE[9], Salvador LLADÓ[10], Roxanne S. LORILLA[11], Simone MEREU[12], Amy M.P. OEN[13], André L.M. OLIVEIRA[14], Halley C. OLIVEIRA[15], Martin R. NIELSEN[16], Myron A. PECK[17], Frank RASCHE[18], Agustin SÁNCHEZ-ARCILLA[19], Rita SOUSA-SILVA[20], Martijn L. VANDEGEHUCHTE[21], Kati VIERIKKO[22], Nadja WEISSHAUPT[23], Tom C. WILD[24], Pedro PINHO[25]

[1] CE3C-Centre for Ecology, Evolution and Environmental Changes & CHANGE-Global Change and Sustainability Institute, Faculty of Sciences, University of Lisbon (FCUL), 1749-016 Lisbon, Portugal; IN+ Centre for Innovation, Technology and Policy Research, Associação para o Desenvolvimento do Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1, 1049-001 Lisboa, Portugal. afgrilo@ciencias.ulisboa.pt

[2] National Botanical Garden of Türkiye, Ministry of Agriculture and Forestry, Türkiye. pelin.acar@tarimorman.gov.tr

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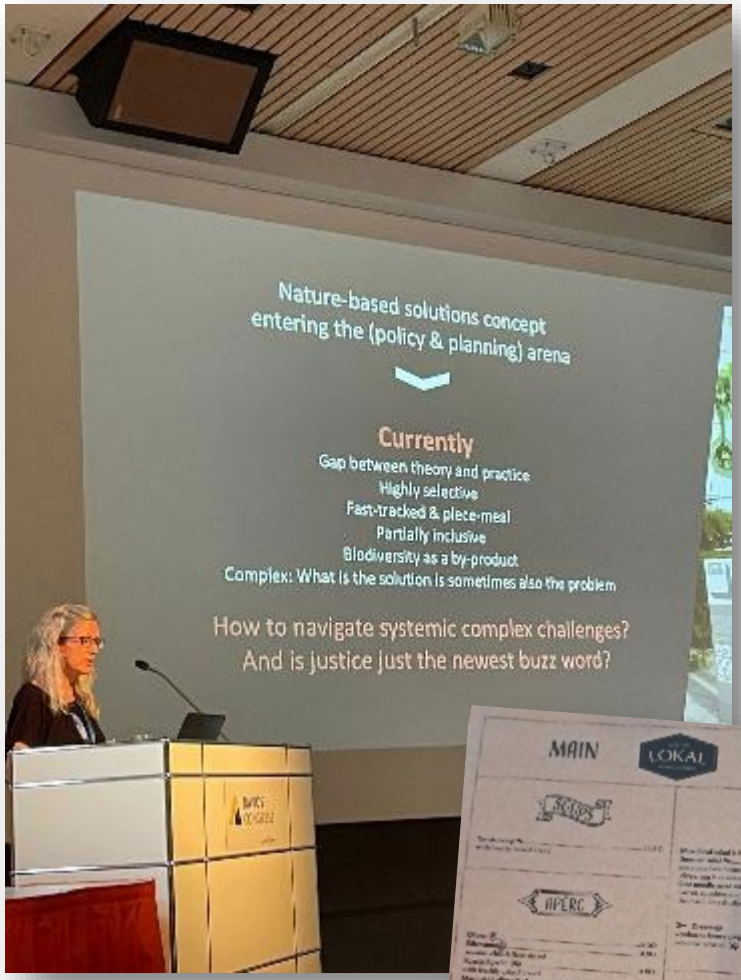
The journey continues…the gathering



The journey continues…challenging SPIs by learning dispute and having fun

To the end…or a new beginning?


The End.

BiodivClim Knowledge Hub Final Conference

Interactive session on Nature-based Solutions

By Sonja Gantioler, Amy Oen (PHUSICOS), Rita Sousa-Silva, & Tom Wild (CONEXUS)

Nature-based Solutions for Climate Change Adaptation and Mitigation: A Clash of Words on Tough Choices

BiodivClim Knowledge Hub: Bridging Biodiversity and Climate Change Research with Nature-based Solutions

Final Conference, 10 June 2025

Rita Sousa Silva, Sonja Gantioler, Amy Oen, Tom Wild, and BiodivClim KHub

biodiversa+ European Biodiversity Partnership

BiodivClim ERA-NET COFUND
Biodiversity and Climate Change

BiodivClim Knowledge Hub

Rita Sousa Silva
MixForChange
Leiden University

Sonja Gantioler
JUSTNature
Eurac Research

Amy Oen
EVOKED/ Norwegian
Geotechnical Institute

Tom Wild
CONEXUS
University of Sheffield

BiodivClim Knowledge Hub: Bridging Biodiversity and Climate Change Research with Nature-based Solutions

- Nature-based Solutions (NbS) describe actions to **protect, conserve, restore, sustainably use and manage natural or modified ecosystems** that address **social, economic and environmental challenges** effectively and adaptively, simultaneously providing **human well-being and biodiversity benefits**.

Image: E. Weynants/European Commission

Wetland restoration

Permeable pavements

Urban green spaces

Pollinator gardens

Stormwater ponds

Food gardens

Image: Clean Air Partnership

Survey

Barriers to the implementation of nature-based solutions?

#BiodivClim Knowledge Hub

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SURVEY

- Lack of technical expertise and knowledge
- Lack of supportive policy and legal frameworks
  Lack of available financial resources and incentives
- Land availability, including property ownership complexities and space constraints
- Lack of evidence of long-term benefits or co-benefits
- Lack of evidence of upscaling successes
- Lack of effective knowledge-sharing mechanisms and transfer of expertise
  Lack of political will and long-term commitment
- Stakeholder conflicts, including perceived inequities in sharing costs and benefits
  Lack of ability or motivation to break away from current practices
- Potential negative impacts, including an increase in nuisances
- Lack of public awareness and support

PESC 2025
Brussels, 10-13 March 2025

Pan-European Stakeholder Consultation (PESC) – RESPIN Meeting

Nature-based Solutions for Climate Change Adaptation and Mitigation: A Clash of Words on Tough Choices

- A clash of words is a **role play**.
- Based on a **debate style** with 2 confronting rows, disputing a motion, and a Speaker.
- It is loosely based on the UK **House of Commons** approach.

A Clash of Words

- A House of Commons debate style is a formal discussion of a particular proposal or **motion**.
- Different to other debate styles, you find **2 confronting rows** disputing a motion, facilitated by a Speaker.
- In an interactive session, this form is used to select and **discuss distinct topics**.
- As soon as the motion appears, participants are asked to **select a defined position** by **sitting down** on the designated side.
- They are expected to **defend their opinion** on the motion.
- They can either be asked to do so by the **Speaker** or by trying to catch the attention of the Speaker.
- If participants change their mind, they are allowed to **change sides**.

A Clash of Words

- To help the **role playing**, those that support a suggested opinion say **Aye**, on the contrary **No**.
- At the end, the Speaker reposes the question to the house and asks whether there is **agreement or division**, asking to call out Aye or No.
- **The noes have it. The ayes have it.**

Consent

- We would like to take notes during this session to capture the key points from the discussion. These notes may be used in scientific publications afterwards but **without attributing any comments to individual participants**.

- Since this session will be **entirely anonymous**, you will not have the opportunity to withdraw your contribution afterwards.

- By participating in this session, you **agree and consent** to your contributions being used for research purposes.

HI 000

Unable to connect to the Internet

Are you ready to step into the debate arena?

Motion test

Group

We give preference to…

working in a **group**

OVER

working **alone**

Alone

Motion

We argue that...

Economic

NbS success should be measured by its **economic benefits** over its **ecological impact**

Ecological

Motion

We argue that...

Large scale

investing in large-scale NbS projects is more cost-effective

over

supporting numerous small, local initiatives

Small scale

Motion

We argue that...

Regulatory enforcement

NbS implementation should prioritise <u>regulatory enforcement</u> over <u>financial incentives</u>

Financial incentives

Motion

We argue that...

Specialised

<u>specialised</u>, in-depth **knowledge** is needed to address climate change and halting biodiversity loss

over

<u>integrating</u> different knowledge systems to

Integrated

Motion

We argue that...

Public

in NbS implementation, **land expropriation for public ownership** should take precedence

over

private ownership when it conflicts with ecological restoration

Private

Motion

Urban areas

We argue that…

priority should be given to investing in NbS in **urban areas**

over

conserving biodiversity in **rural areas**

Rural areas

Is there any strong motion you would like to ask?

…

We argue that…

…

over

…

…

KH Motion

Research

We argue that...

An NbS KH should give higher importance to **in-depth <u>research</u>**, providing time for conceptual reflection and experimentation ...

over

<u>practical</u> testing and **implementation** of solutions

Practice

Sponsored by JUSTNature

What insights did you gain?

Join at menti.com | 8830 2791

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EUROPEAN PARTNERSHIP

Co-funded by the European Union

Thank you!

www.biodiversa.eu/engagement/biodivclim-knowledge-hub/

contact@biodiversa.eu

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