



The EU Research and Innovation Agenda on Nature-based Solutions *Urban forestry in the wider context of NBS*

Urban Forests as Nature-based Solutions: State of the Art

ClearingHouse webinar – 17 November 2021

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Nature-based Solutions

EC definition: Nature-based solutions to societal challenges are solutions that are inspired and supported by nature, which are cost-effective, simultaneously provide **environmental**, **social** and **economic** benefits and help build resilience.

Such solutions bring more, and more diverse, nature and natural features and processes into cities, landscapes and seascapes, through locally adapted, resource-efficient and systemic interventions.

Nature-based solutions must therefore benefit biodiversity and support the delivery of a range of ecosystem services

Some important principles in Horizon NBS projects: innovation (social, governance, technical, regulatory, business & finance, ...), address multiple challenges & apply co-design to co-management process



Air quality



Biodiversity enhancement



Climate resilience



Coastal resilience



Green space management



Health and well-being



Knowledge building for sustainable urban transformation



New economic opportunities and green jobs



Participatory planning and governance



Social justice and social cohesion



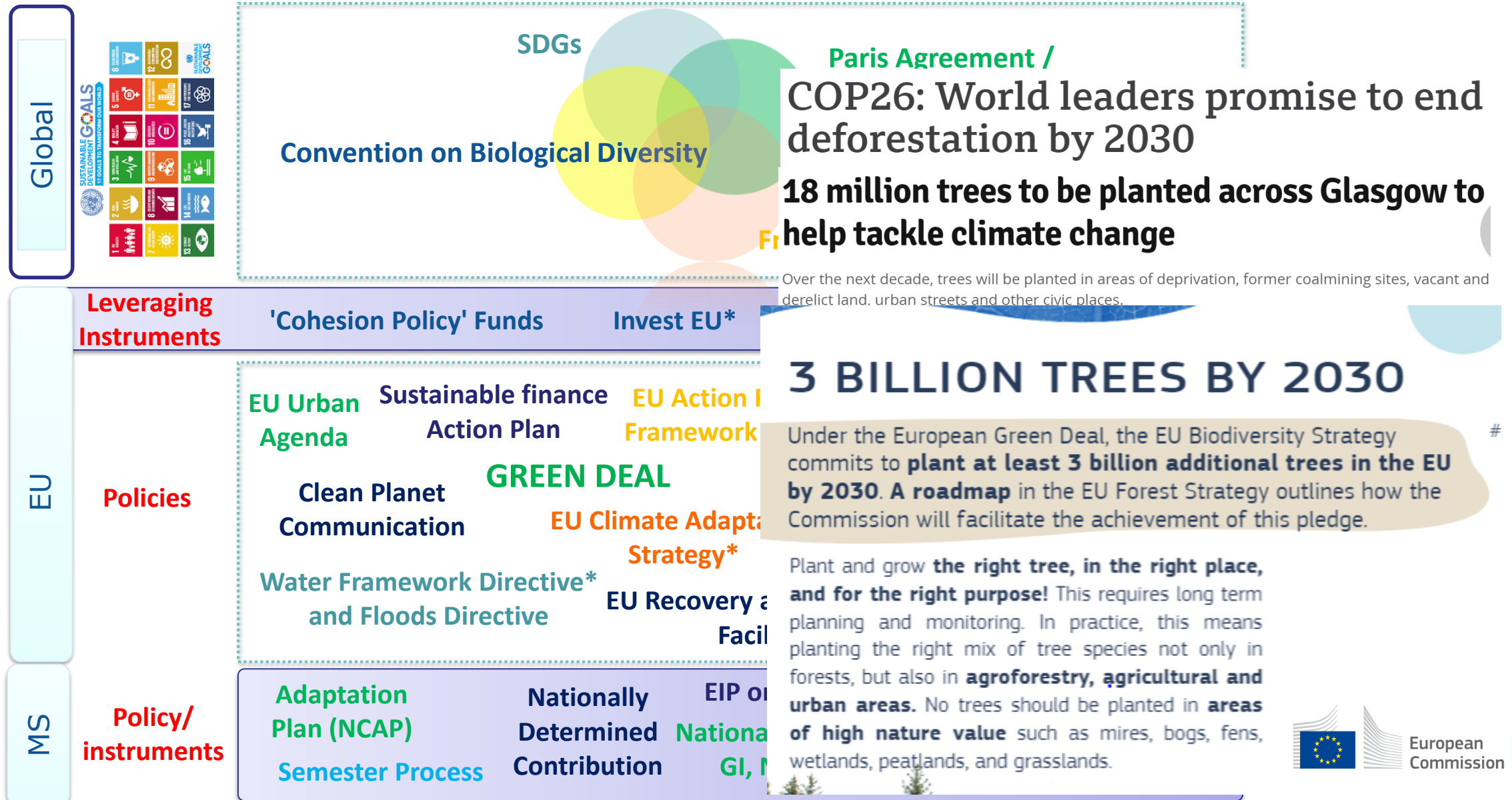
Urban regeneration



Water management

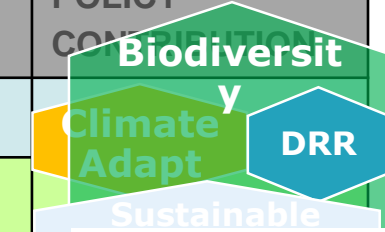


Nature-based Solutions & policy

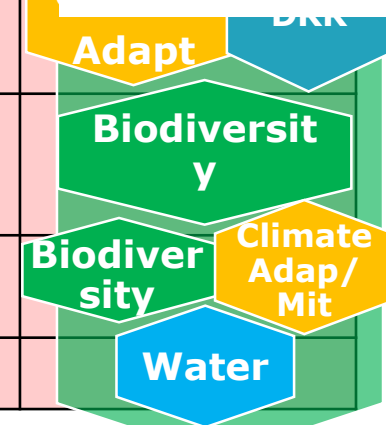


Horizon 2020: 292M€, 32 projects, 59 countries

TYPE OF ACTION	TOPIC FOCUS	FOCUS AREA	BUDGET	POLICY CONTRIBUTION
2 CSA	Sci-policy-business-society	Urban Agenda	7 M €	Biodiversity, Climate Adapt, DRR
15 IAs (demonstration actions) To provide a robust EU-wide evidence base and develop an EU reference framework on NBS	Water/climate resilience (4)	Cities	49M €	Biodiversity, Climate Adapt, Sustainable
	Inclusive urban regeneration (4)	Cities	49M €	Biodiversity, Climate Adapt, Sustainable
	DRR hydro-met events (3)	Landscape	35M €	Biodiversity, Climate Adapt, Sustainable
	<i>Decarbonisation/air quality</i> (3)	Cities	30M €	Biodiversity, Climate Adapt, Sustainable
	Health and well being (4)	Cities	41M €	Biodiversity, Climate Adapt, Sustainable
11 RIAs To create knowledge and tools on specific areas	governance, business, financing models (2)	Cities	15M €	Biodiversity, Climate Adapt, Sustainable
	insurance value of ecosystems/NBS for DRR/CA (1)	Land/Cities	5M €	Biodiversity, Climate Adapt, Sustainable
	restoration of ecosystems (2 CN) restoration of ecosystems (2 LA)	Cities	10M € 10M €	Biodiversity, Climate Adapt, Sustainable
	Climate and biodiversity (4)	Landscape	25 M €	Biodiversity, Climate Adapt, Sustainable
	water quality and security (2)	Cities	10M €	Biodiversity, Climate Adapt, Sustainable
				Biodiversity, Climate Adapt, Sustainable



CLEARINGHOUSE
中欧城市森林应对方案



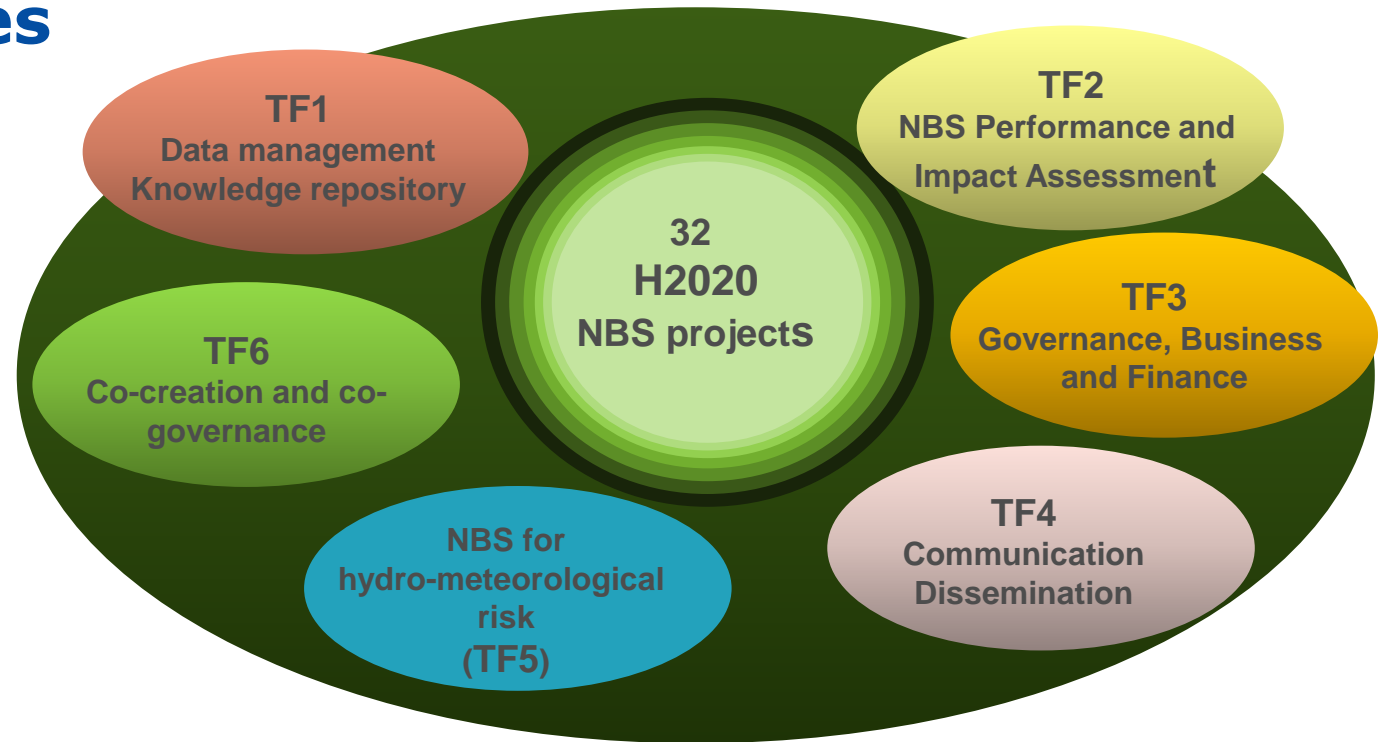
H2020 NBS Community



See all the NBS projects at the [REA website](#)



H2020 NBS Cluster Taskforces



NBS Cluster Taskforces:

- ❖ One overriding objective: advancing development, uptake & upscale of NBS
- ❖ H2020 NBS projects work on several key transversal topic areas, with different approaches and outputs.
- ❖ NBS Cluster Taskforces reflect these key transversal themes, aiming to synthesize approaches and outputs, co-produce and communicate NBS relevant knowledge.
- ❖ Supported by a CSA project (NetworkNature)

H2020 NBS community & NBS Cluster Taskforces (2)

Examples of joint outputs:

- ❖ [Evaluating the impacts of nature-based solutions: a Handbook for Practitioners](#) (published in May 2021) and its [Summary for Policy Makers](#) (published in August 2021):
 - ✓ to support the adoption of **common indicators and methods** for assessing the performance and impact of NbS to address different societal challenges
 - ✓ Subsequent work going on assessing impacts of NBS on marine environment, on health, and on biodiversity enhancement (expected outputs in Q1/Q2 of 2022)
- ❖ [Public procurement of urban NBS](#) (Oct 2020)
- ❖ [From Nature-based solutions to the Nature-based Economy Expert Publication](#) (report in preparation, expected publication end 2021)
- ❖ [Joint policy support](#) through the revision of the Urban Greening Plans Guidance for cities under development for the Biodiversity Strategy 2030
- ❖ [Guidelines for integrating co-creation and co-governance of NBS effectively into local decision making](#), e.g. in local planning (being developed)
- ❖ Multiple joint [publications](#) and joint participation in and organization of [communication and dissemination events](#) (EGU, ECCA, IUCN...)



A new H2020 service for the NBS community far and wide.

Gathers NBS communities, resources, projects, best practices and tools under one roof. The pioneering European platform with a global reach creates opportunities for local, regional and international cooperation to make NBS the new normal.

Consolidate, expand and support a community of practice for NBS across science, business, policy and practice from sub-national to global level, city to regional level;

Upscale the use of NBS across science, business, policy and practice:

- Provide guidance and capacity building
- Creating and operating new European NBS regional hubs
- Networking with practitioners, business, investors and policymakers

Raise awareness

- Communicate the latest findings and news in the NBS field
- Engage existing stakeholders and reaching out to new audiences
- Educate younger generations to become future NBS leaders

NBS in Horizon Europe 21-22...

Cluster 6

Economics of NBS, RIA, 2021
Insurance sector and NBS, CSA, 2021
Education for NBS, CSA, 2021
Agroecology and agroforestry (several topics), RIA, 2021
Nature therapy, RIA, 2022
Sociopolitics of NBS, RIA, 2022
Network for nature, CSA, 2022
EU-China international cooperation on NBS for nutrient management in agriculture, IA, 2022

Cluster 5

Let Nature do the Job (rewilding), RIA, 2022

Cluster 3

NBS to enhance urban resilience and security, IA

Missions:

- A climate resilient Europe
- Soils
- Oceans
- Cities

Partnerships:

- Biodiversity
-
- Agroecology (2023-24).

THANK YOU
FOR YOUR ATTENTION

[Evaluating the impact of nature-based solutions - A handbook for practitioners](#)

[Evaluating the impact of nature-based solutions - Appendix of methods](#)

[Evaluating the impact of nature-based solutions - A summary for policy makers](#)

[Public procurement of nature-based solutions](#)

[Nature-based solutions: state of the art in EU-funded projects](#)

[The EU and nature-based solutions](#)

[REA website](#)