



# NbSI NEWSLETTER

## September 2020, Issue 7

The world's attention is turned to coping with the impacts of COVID-19, and ensuring that we enter a better and safer world as we recover from the pandemic. There is a movement in both the public and private sectors to strive for a nature-positive, sustainable recovery. Nature-based solutions are a central component of such a transformative recovery. In this newsletter, we highlight recent developments in science, policy and practice which inform how NbS can promote a nature-positive recovery and address climate, biodiversity and development needs.

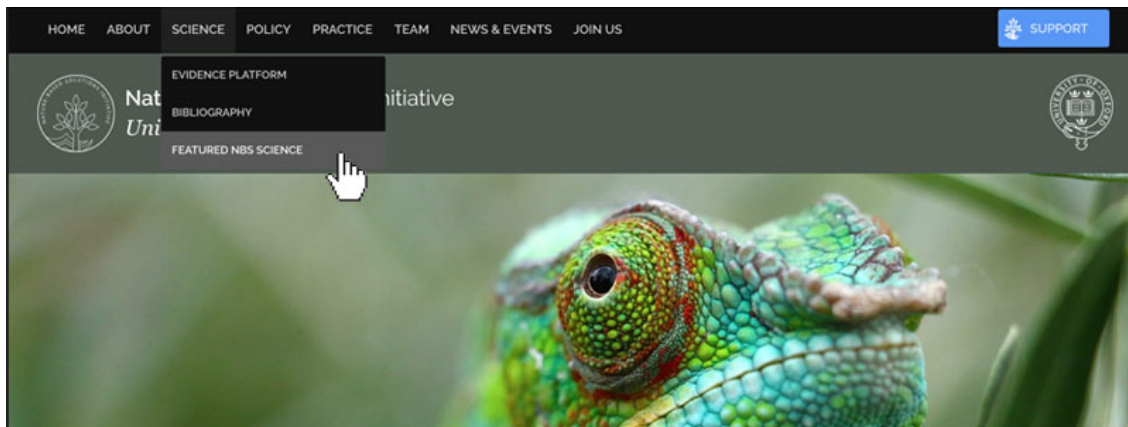
*If you would like to subscribe to our newsletter, please sign up on our [website](#), where you can also find an archive of past issues.*

## WATCH NbS DIGITAL DIALOGUES 2020



On 7-9th July we hosted an online conference, [NbS Digital Dialogues](#) where we addressed the [four guiding principles](#) for successful, sustainable NbS, and how to finance and govern them. [Recordings of all talks, panel discussions and poster presentations](#) are freely available to watch and share. The three days were packed with informative, thought-provoking and energising speakers. We were thrilled to have such a global audience, and we hope information from the Dialogues will continue to spread and stimulate networking, knowledge-sharing and research. We will be publishing summaries of each of the panel sessions in the coming weeks.

# NbS SCIENCE



Take a look at our featured [NbS Science page](#), where we add digestible summaries of recent papers which make important contributions to the body of knowledge on NbS. Below are some highlights.

[Mapping the effectiveness of nature-based solutions for climate change adaptation](#)  
Chausson et al. 2020 *Global Change Biology*

[Active restoration accelerates the carbon recovery of human-modified tropical forests](#)  
Philipson et al. 2020 *Science*

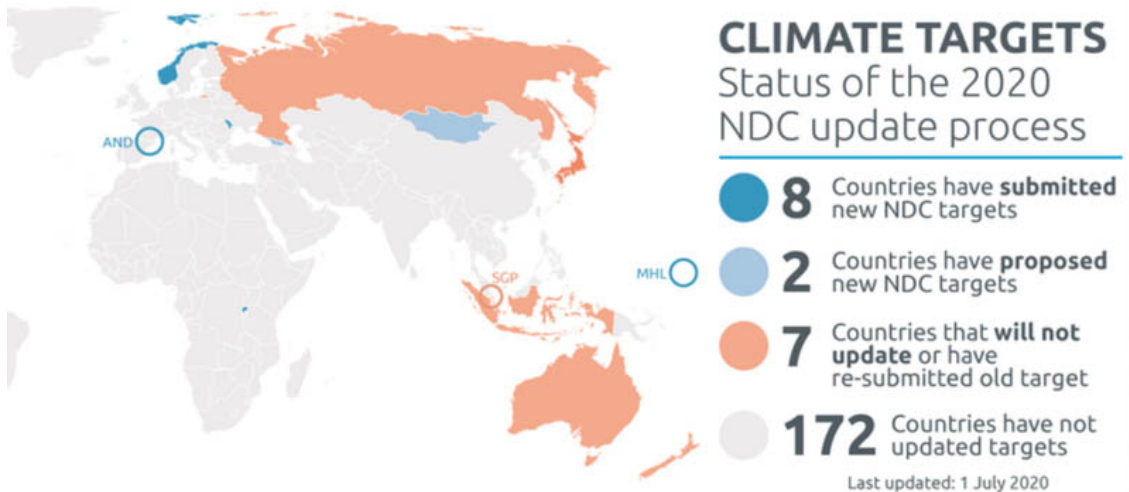
[Climate change mitigation potential of wetlands and the cost-effectiveness of their restoration](#) Taillardat et al. 2020 *Interface Focus*

[Local people's participation in mangrove restoration projects and impacts on social capital and livelihood: a case study in the Philippines](#) Valenzuela et al. 2020 *Forests*

[Economic and social constraints on reforestation for climate mitigation in Southeast Asia](#)  
Zeng et al. 2020 *Nature Climate Change*

For more recent papers on nature-based solutions, [visit our interactive NbS bibliography](#).

# NbS IN POLICY



On our [Featured NbS in Policy](#) page, we summarise recent NbS-related developments in national and international policy. Below are three highlights.

[Updates to Nationally Determined Contributions to the Paris Agreement](#) So far eight countries have submitted new NDC targets, eight have proposed new targets, and seven have re-submitted old targets. We take a deeper dive on Jamaica and Rwanda's NDCs.

[EU launches Biodiversity Strategy for 2030](#) Europe has established itself as a leader in preparations for the Post-2020 Global Biodiversity Framework.

[UK post-Brexit Environment Bill](#) The new Bill has been strengthened, such as now including legally-binding targets, however, further changes are needed to ensure large-scale protection and restoration of ecosystems in the UK.



# NbS IN ACTION



Explore the [NbS Case Studies](#) page of our website to find summaries of a rich variety of examples of NbS in the field. These examples show how NbS can be implemented successfully to provide multiple benefits for nature and people, but also demonstrate barriers to success and how these may be overcome.

Recently we have been highlighting NbS projects which have documented economic and human well-being benefits, demonstrating the potential of NbS to play a major role in economic recovery and the development of more socially resilient societies.

[Mangrove restoration in Costa Rica](#) has boosted the livelihoods of local people whilst helping a locally important cockle species recover from overexploitation.

[Sustainable wetland management in Bangladesh](#) shows how decades of poor ecological management can be turned around with dedicated collaborations of governments, NGOs and local people.

[Integrated farming & forestry in Guatemala](#) increased the resilience of communities to the implications of COVID-19.





# NbS IN THE NEWS



Here we are featuring five pieces of NbS news. For more, explore [NbS in the News](#).

[IUCN Global Standard for Nature-based Solutions](#) During the course of a two-year consultation process involving over 1000 experts from around the globe, IUCN created this set of criteria to provide coherent guidance on how to design and implement NbS.

[World Economic Forum: Nature-led COVID recovery could create \\$10tn/year](#) The New Nature Economy report found that prioritising nature in the COVID recovery strategy could generate 400 million jobs and \$10 trillion per year.

[Launch of Task Force on Nature-related Financial Disclosures](#) The Task Force will generate voluntary guidelines to enable financial institutions to understand their risks, dependencies and impacts on nature.

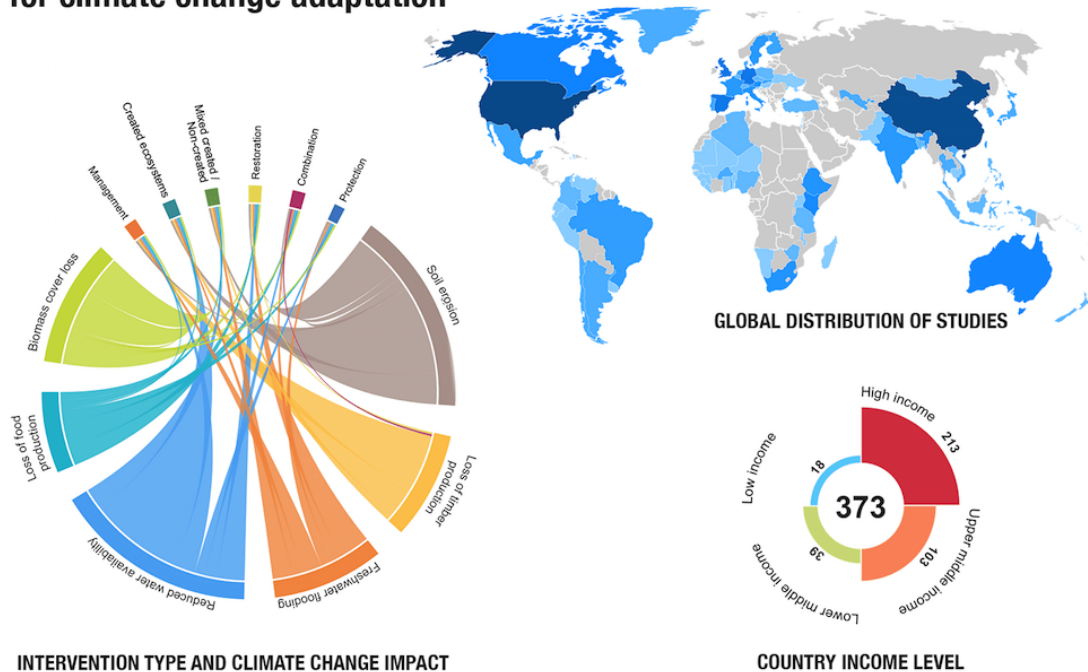
[Cloud forest & páramo NbS for water security in Colombia](#) Restoration and protection of mountain ecosystems in Colombia could increase water and energy security, whilst protecting vulnerable species.

[Brewdog goes 'carbon negative' using NbS – what does this mean?](#) Brewdog is one of the first companies to launch a plan for using forest and peatland restoration to double-offset their scope 1, 2 and 3 emissions, and sets more rapid targets than other companies.



# NbSI NEWS & ANNOUNCEMENTS

## Mapping the effectiveness of Nature-based Solutions for climate change adaptation



Keep up to date with the activities of the Nature-based Solutions Initiative on our [announcements page](#). Below are some recent highlights.

[Mapping the evidence of nature-based solutions for climate change adaptation](#) - Our paper, just out in the journal *Global Change Biology*, presents the first global systematic map of the effectiveness of NbS for addressing the impacts of climate change and hydrometeorological hazards on people. We found that most studies on NbS interventions in natural or semi-natural ecosystems reported reduced climate impacts and that, overall, more synergies than trade-offs were reported between addressing climate impacts and broader ecological, social and climate change mitigation outcomes. However, to strengthen the evidence base and support the upscaling of NbS, future studies should compare the cost-effectiveness of NbS with alternatives interventions, including engineered approaches, and consider social, ecological, and greenhouse gas mitigation outcomes. More NbS research is also needed in the Global South.

[A roadmap for scaling up Nature-based Solutions in Bangladesh](#) - Last month, [NbS Bangladesh](#) published a policy brief summarizing the current scope and the future role of NbS in Bangladesh for enabling sustainable development and addressing climate change impacts. To enhance awareness of the importance of properly implemented NbS, NbS Bangladesh is building an extensive NbS in-country network of practitioners and policymakers.

[New York City Climate Week](#) - NbSI Director will be presenting on best practice for natural climate solutions in the [race to net zero](#) together with Wanjira Mathai (Vice President and Regional Director For Africa, WRI), Nigel Topping (UK High Level Climate Action Champion) and Ángela Andrade (IUCN Chair, Commission on Ecosystem Management on NBS standards).

[NbS Peru Digital Dialogues](#) - On 19-20th October, NbS Peru will be hosting a series of talks and panel discussions to generate dialogue on the potential of nature-based solutions in Peru to address multiple societal challenges, including their role for climate change adaptation and mitigation. Based on evidence and experience from practice, we will discuss local cases within the broader global momentum for NbS and green recovery opportunities.

## NbS EVENTS

See more NbS-relevant events on our [events page](#).

[CBA14: 14th International Conference on Community-based Adaptation to Climate Change 21-25 September 2020](#) | International Institute for Environment and Development

[New York City Climate Week 2020 21-27 September 2020](#) | United Nations and the City of New York.

[Environment Agency NFM work & NFM in Environmental Land Management Schemes 22 September 2020](#) | NERC

[Landscape Restoration – The Solution to Securing Water Resources? 23 September 2020](#) | SIWI Swedish Water House

[World Conservation Conference 7-15 January 2021](#) | IUCN

[Convention on Biological Diversity UN COP 15 17-30 May 2021](#) | CBD, UNEP

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