



FEBA

Friends of Ecosystem-based Adaptation

2019 - 2020 Newsletter

Friends of EbA (FEBA) is an informal network of organizations with an interest in promoting collaboration and knowledge sharing on Nature-based Solutions to climate change adaptation, also known as Ecosystem-based Adaptation (EbA), through joint events and initiatives, as well as the development of position papers and technical documents on EbA. More than 70 government ministries and sub-agencies, UN bodies and conventions, NGOs, research centers, and other institutions make up the FEBA. IUCN serves as the FEBA Secretariat. Visit www.iucn.org/feba to learn more. Have additional inputs for this newsletter? Send them to Emily Goodwin to see them included in updated editions.

The enclosed member information was assembled by IUCN with support from the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU).

Contents

2019 in review	1
Events.....	1
Publications and communications.....	12
Programs, projects, and initiatives	28
Plans for 2020	34
Events.....	34
Publications and communications.....	37
Programs, projects, and initiatives	38



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Events

“Nature-based solutions for climate resilience, in policy and practice” at the U.S. National Council for Science and the Environment Annual Conference

8 January 2019, Washington D.C.

FEBA members hosted the session “Nature-based solutions for climate resilience, in policy and practice” at the U.S. National Council for Science and the Environment 2019 Annual Conference, with a theme of Sustainable Infrastructure & Resilience. The session showcased examples of successful implementation of nature-based solutions for climate resilience within various thematic sectors, demonstrated the role and integration of climate risk information in guiding nature-based solutions and adaptation options, and explore the importance of quality criteria and standards for EbA and NbS in project design and implementation.

Contact [Emily Goodwin](#) for more information.



2019 National Coastal Fisheries Summit in the Philippines

March 2019

The 2019 National Coastal Fisheries Summit gathered more than 500 partners from the Philippines, ranging from local and national government agencies to civil society organizations and academics. Partners came together to discuss critical issues in coastal fisheries management, to determine the best possible solutions to the challenges in municipal fisheries, and to establish working mechanisms for the implementation of solutions to fisheries challenges. On the sidelines of this significant event, Rare used the opportunity to officially launch the Fishing for Climate Resilience project in the Philippines. Under this project, Rare partners with FAO, GLISPA and MCT to mainstream EbA measures in the small-scale fisheries productive sector across the Asia Pacific region.

Contact [Frederik Stapke](#) for more information.

Tools to Support the Implementation of Ecosystem-based Adaptation and Ecosystem-based Adaptation and Insurance

7 March 2019 and 14 November 2019

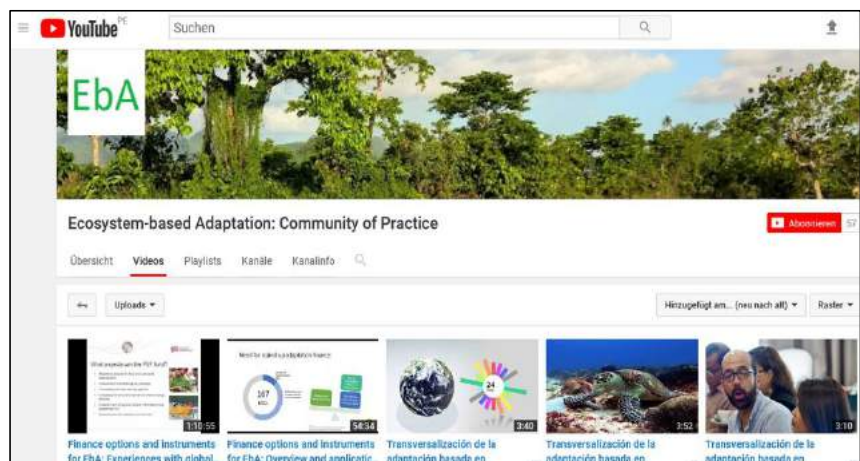
As part of a series of webinars from the International EbA Community of Practice, the BMU IKI-funded GIZ Global Project, Mainstreaming EbA hosted two webinars in spring and fall 2019. Two tools were introduced during the first webinar, the [EbA Tools Navigator as a searchable database of tools and methods](#) and the [EbA Measures Prioritization Tool](#). The second webinar complimented a recently published GIZ study on the [role of EbA in the insurance sector](#). The authors gathered virtually to discuss some of the successes, challenges, and opportunities for EbA as part of insurance mechanisms. Both webinars were recorded and are available online.

Recordings of the webinars are available below:

[Tools to Support the Implementation of Ecosystem-based Adaptation](#)

[Ecosystem-based Adaptation and Insurance: Successes, Challenges and Opportunities](#)

As part of the webinar series, [webinars](#) are held and published online on a regular basis. Contact [Luise Richter](#) for more information.



**“Gobernanza, valoración económica y financiamiento para la adaptación al cambio climático”
Workshop on Governance, Economic Valuation and Funding for EbA**

2 April 2019, Mexico City

The workshop “*Gobernanza, valoración económica y financiamiento para la adaptación al cambio climático*” convened a broad range of experts from the public sector, private sector, academia and civil society from Mexico, as well as members of OroVerde’s BMU-IKI-funded “GreenWatersheds” project from Guatemala, Cuba, and the Dominican Republic. The core objective was to generate a dialogue on lessons learnt and opportunities for promoting EbA through economic valuation of ecosystem services, governance mechanisms, and funding options. More information is available in the workshop report [here](#).



Participants of the Workshop on governance, economic valuation and funding for EbA in Mexico. Photo: OroVerde/J. Ohnesorge

Contact [Torsten Klimpel](#) for more information.

Ecosystem-based Adaptation in Transboundary Basins - 7th workshop on adaptation to climate change in transboundary basins

29 – 30 April 2019, Geneva, Switzerland

The workshop was organized in the framework of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes (Water Convention), serviced by UNECE. It brought together participants across the world to review tools, good practices, case studies and financing mechanisms focusing on transboundary aspects of Ecosystem-based Adaptation. IUCN opened the event setting the stage for a common understanding on the EbA concept and emphasizing the importance of following qualitative criteria and standards to ensure the replicability and scaling up of this approach.

Contact [Verónica Ruiz Garcia](#) for more information.

Global Platform for Disaster Risk Reduction (GPDRR)

13 - 17 May 2019, Geneva, Switzerland

The GPDRR2019 was an opportunity for FEBA colleagues to engage with governments, donors, civil society organizations and other stakeholders in development, conservation, and climate change adaptation to advocate for synergies between EbA & Eco-DRR approaches. This event was the last global gathering for all stakeholders before the deadline for the achievement of Target E of the Sendai Framework: to substantially increase the number of countries with national and local disaster risk reduction strategies by 2020.

Contact [Verónica Ruiz Garcia](#) for more information.



Photo: IUCN delegation at GPDRR

“Taller del conocimiento sobre adaptación basada en ecosistemas”

27 May 2019

This workshop was developed to address Ecosystem-based Adaptation in the Central American and Caribbean region. It included an introductory session on the EbA approach, and a practical exercise on how to design an EbA project and how to appraise EbA governance at the national level.

Contact [Lorena Martínez Hernández](#) and [Pia Hernandez](#) for more information.

Working Breakfast at SB50

June 2019

At the sidelines of the UNFCCC SB50 meetings in Bonn, CGIAR-CCAF, GLISPA and Rare convened stakeholders across NGO and government partners as well as academia to discuss community-led and community-based solutions to current environment and development challenges. Under the umbrella of the 2015 Leave-No-One-Behind commitment, partners explored how community empowerment and nature-based solutions could be scaled to achieve Agenda 2030 as well as the Paris Agreement. This dialogue will continue at SB52 Meetings in June 2020.

Contact [Frederik Stapke](#) for more information

4th International EbA Community of Practice Workshop

11 – 14 June 2019

During the 4th International EbA Community of Practice Workshop, 78 participants from 22 countries discussed the opportunities and challenges for anchoring EbA in networks, policy, and various sectors. Organized by GIZ and hosted by the United Nations University in Bonn, the workshop made room for peer-to-peer learning and exchange among EbA practitioners, researchers and policy makers. The main focus of the four-day workshop was to promote exchange of practical experience and theoretical concepts. Activities included group work, presentations, and excursions, all of which emphasized the importance of mainstreaming EbA concepts outside of the green sector in order to scale up EbA initiatives and achieve long-lasting impacts at the level of policy and implementation.

Read more about the EbA Community of Practice [here](#). A 5th international EbA Community of Practice Workshop is planned for the second half of 2020.

Contact [Arno Sckeyde](#) for more information.



Photo: The participants of the 4th International EbA Community of Practice; Kolja Matzke/Matzke Foto for GIZ

UNFCCC SBSTA 50 Side Event - 5th EbA Knowledge Day

19 June 2019



Photo: Market place at the 5th EbA Knowledge Day; Kolja Matzke/Matzke Foto for GIZ

The 5th EbA Knowledge Day was jointly organized by GIZ, IUCN and IIED under the Friends of EbA (FEBA) network in the framework of UNFCCC SB 50. During the day, UN negotiators, policy makers, practitioners, researchers, and donors working on issues relevant to climate adaptation, ecosystem management and human resilience, got together to enhance knowledge on assessing the effectiveness of EbA measures and to better understand governance frameworks relevant for EbA mainstreaming. Key messages from the Knowledge Day were:

- EbA effectiveness and governance are interlinked topics,
- Robust monitoring & evaluation systems are needed to underline the cost-effectiveness of EbA and to estimate the number of people benefitting in more in detail,
- Governance of EbA is of crucial importance, as appropriate governance structures ensure that EbA as an approach can be mainstreamed and included in national plans and strategies,
- Exchange and networks on EbA should be fostered as they are crucial for the further development of EbA.

Read the meeting documentation and view the presentations [here](#).

The 6th EbA Knowledge Day is planned for SB 52 in June 2020

Contact [Arno Sckeyde](#) for more information.

Launch of the CBD report on the Voluntary Guidelines for Ecosystem-based Adaptation to Climate Change and Disaster Risk Reduction

19 June 2019

This event marked the launch of the publication on the voluntary guidelines on Ecosystem-based Adaptation (EbA) and disaster risk reduction (Eco DRR), including updated supplementary information for policy makers and briefs on integrating EbA and Eco DRR into a number of sectors. The event allowed for discussions on how policymakers, practitioners and other stakeholders can best make use of the guidelines and their implementation.

[Download](#) the CBD voluntary guidelines.

The CBD Secretariat supports Parties to the CBD, institutions, policy makers, and practitioners in making use of the voluntary guidelines when implementing EbA & Eco-DRR measures. GIZ promotes the guidelines within their EbA and Eco DRR project planning and implementation.

Contact [Annie Cung](#) and [Arno Sckeyde](#) for more information



Photo: GIZ and SCBD at the launch of the voluntary guidelines on EbA and Eco-DRR; GIZ

Friends of EbA (FEBA) members' meetings

20 June 2019 and 5 December 2019



FEBA meetings are an opportunity for members to share information about their own initiatives, brainstorm areas of collaboration, and plan FEBA outputs. In 2020 FEBA meetings were held at both UNFCCC SBSTA 50 and UNFCCC COP 25, co-hosted by the UNFCCC Nairobi Work Programme.

Download the meeting reports: [20 June](#) | [5 December](#)

Contact [Emily Goodwin](#) for more information.



Photos: Participants at the 20 June FEBA member's meeting at UNFCCCSBSTA 50.

Photo: FEBA partners and Secretariat at the 5 December FEBA Member's Meeting at UNFCCC COP 25.

Mangroves in Manhattan at the High Level Political Forum

10 July 2019, New York City



Photo: IUCN

At the High Level Political Forum on Sustainable Development in New York, IUCN, WWF Germany, and the German Ministry for Economic Cooperation and Development (BMZ) hosted a reception on the role of mangrove restoration, conservation, and management as a nature-based solution contributing to sustainable development goals with particular emphasis on SDG13 (Climate Action) and SDG8 (Economic Development). The event, hosted at the German Mission and moderated by Ali Raza Rizvi of IUCN, showcased the critical connections between humans and mangroves by highlighting the potential of mangroves for climate mitigation, adaptation, food security, and economic development at both local and global scales.

Contact [Emily Goodwin](#) for more information.

Seminars on nature conservation in German development cooperation on the Isle of Vilm: Ecosystem-based Adaptation - Opportunities in policy and practice

5 – 10 August 2019

Within the frame of the seminar series on nature conservation in German development cooperation, the BMU-IKI funded GIZ Global Project Mainstreaming EbA was invited to implement this seminar on “Ecosystem-based Adaptation: Opportunities in policy and practice” on the Isle of Vilm. During the seminar, participants were given the chance to network and exchange EbA knowledge and experiences. This generated a unique learning environment in which an international group of practitioners and consultants got together to explore opportunities for EbA mainstreaming processes.

Read the meeting documentation.

BfN’s seminars on nature conservation in German development cooperation take place every summer on the Isle of Vilm.

Contact [Luise Richter](#) for more information.



Photo: The participants of the EbA-seminar on the Isle of Vilm; BfN

Webinars: Discussion series Latin America – “Urban EbA” (in Spanish)

12 and 19 September 2019

In September 2019, GIZ, IUCN and the Sector Network Environmental Management and Rural Development in Latin America and the Caribbean (GADeR-ALC) organized two webinars on urban and rural EbA. During the online sessions, expert input on key concepts, examples, and case studies on climate resilient cities and landscapes were followed by vivid discussions among about 150 participants from around the globe.

Both webinars were recorded and are available [online](#). As part of the webinar series, [webinars](#) are held and published online on a regular basis. Contact [Luise Richter](#) for more information.

IUCN Global Standard for Nature-based Solutions “Day for Your Say” Global Consultations

17 September 2019 – Fiji, Nairobi, Geneva and Washington DC

IUCN has developed the Global Standard on Nature-based Solutions - a tool that operationalizes how we harness the potential of nature to meet societal challenges - through several public consultations. The second public consultation ran from 1 September to 14 October 2019. On 17 September 2019, IUCN hosted a global series of consultations both online and in interactive forums to get broadly sourced insights on NbS. This around-the-world “NbS Day for Your Say” started in Suva, then on to Nairobi, then Geneva, and ended in Washington DC. IUCN invited interested parties to be part of this participatory process to ensure that the Global Standard on Nature based Solutions is the most appropriate standard for the moment. Efforts were taken to ensure that its value and potential was consistent across societal challenges, ecosystem types, interventions, and regions.

Read more about the Day for Your Say [here](#) and view the Standard [here](#).

Contact [Daisy Hessenberger](#) for more information.



Scaling Up Mountain EbA Workshop

19 – 29 September 2019, Pokhara, Nepal

To help build support for EbA approaches in mountains, both on the ground and in national and international policy, The Mountain Institute and IUCN implement the program “Scaling up Mountain EbA, building evidence, replicating success and informing policy.” in key mountain regions in the Himalayas (Nepal & Bhutan), Mount Elgon (Uganda & Kenya) and the Andes (Peru & Colombia). In September 2020, the project impact meeting held in Pokhara, Nepal brought together project staff from all 6 project countries to assess the impact of the project, develop cross-country synergies and collaboration, and discuss progress, challenges, and opportunities. The project is supported by the German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU).

Contact [Emily Goodwin](#) and [Erin Gleeson](#) for more information.



“Accelerating Resilience through Scaling Nature-based Solutions” at the United Nations’ Secretary General’s Climate Summit

22 September 2019

IUCN, Wetlands International, and IIED co-sponsored the session “Accelerating Resilience Through Scaling Nature-based Solutions” as part of the full-day event “[Building a Resilient Future](#)” hosted by the Global Resilience Partnership and UN Climate Initiative (A2R). This session highlighted the interlinkages between ecosystems, biodiversity and human resilience, showcasing new and ongoing NbS that are making significant impacts on the ground to inspire future collaborations between governments, private sector organisations, communities, NGOs, and researchers to scale up NbS actions to achieve transformative climate action.

Download the outcome document [here](#) and the headline messages prepared for the UN Climate Summit [here](#). Download the [Call for Action on Adaptation and Resilience](#).

Read the reflections by IIED on the event and the UN Climate Action Summit.

Contact [Emily Goodwin](#) and [Xiaoting Hou Jones](#) for more information.

UNFCCC PRE-COP25 Side Event “Climate change governance and Ecosystem-based Adaptation: the role of women’s organizations and gender approach

IUCN and the Women's Organizations Sector of the Citizen Advisory Council on Climate Change (5C) of Costa Rica organized a side event on climate governance and the important role of women's organizations promoting inclusive adaptation policy. At the opening of this event, Dr. Iza, Director of the ELC, identified governance, an ecosystem-based adaptation approach, and women's organizations as crucial tools to achieve global objectives, recognizing their leading role in making real and tangible changes. Mr Julio Montes de Oca, an IUCN Regional Office for Mexico, Central America and the Caribbean (ORMACC) specialist, presented various ecosystem-based adaptation tools, followed by Ms. Lorena Martínez, ELC Legal Officer, who gave a short introduction of the enabling conditions to promote and support women's organizations

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Female leaders shared their own stories about how they achieved results. As an example, Eva Carazo, 5C leader, reflected on territoriality and use of agrochemicals from the women's organization's point of view. The presentations emphasized that women are the driving force of society, they raise children, teach values and provide guidance, women are not just housewives, they are household managers, and organized women have no limits. At the end of the session, a call was made to remove barriers still

hindering women's full participation in decision-making processes and the achievement of gender equity regarding natural resource management and climate action.

Read more about the event [here](#).

Contact [Lorena Martínez Hernández](#) for more information.



Global training workshop “Nature-based Solutions for disaster risks and climate change impacts”

28 – 30 October 2019, Bangkok, Thailand

IUCN brought together highly qualified and experienced policymakers from nineteen countries around the world, in Bangkok, Thailand, for a workshop on Eco-DRR, building on the successes and lessons learned from the [RELIEF Kit](#) project. This project documented linkages between biodiversity and disasters and established capacity development knowledge products for policy makers, practitioners and other relevant stakeholders. The objective of the workshop was to reinforce and develop skills in operationalizing and combining both Eco-DRR and EbA through lessons learned, experiences and best practices. Engaging and interactive learning modes such as peer-to-peer learning or social learning allows for tapping into the diversity of knowledge and experiences, valuing the individual participant's knowledge and experiences.

Read more about the workshop [here](#). Contact [Verónica Ruiz Garcia](#) for more information.



Photo: IUCN

PANORAMA publishes its 555th Solution!

30 October 2019

In 2019, the PANORAMA – Solutions for a Healthy Planet web platform published its 555th hands-on solution on conservation and sustainable development. PANORAMA is a partnership initiative to document and promote examples of inspiring, replicable solutions across a range of conservation and sustainable development topics, enabling cross-sectoral learning and inspiration. The platform allows practitioners to share and reflect on their experiences, increase recognition for successful work, and to learn with their peers how similar challenges have been addressed around the globe. The most visited solution on PANORAMA is an EbA solution from Mexico which has received over 10,000 views!

Contact [Marie Fischborn](#) and [Rosmarie Metz](#) for more information.

PEDRR Retreat – Ecosystems for Disaster Risk Reduction and Adaptation

21 – 22 November 2019, Geneva, Switzerland

The Partnership for the Environment & Disaster Risk Reduction (PEDRR) aims to support governments in realizing that a lack of governance for environmental risk increases overall risk. In the past, there were separate efforts from various sectors and organizations to manage climate and disaster risk; thanks to the momentum created on nature-based solutions, PEDRR as well as other partnerships – such as FEBA - and organizations are joining efforts to move forward and aligning the disaster risk reduction and climate agendas.

Contact [Verónica Ruiz Garcia](#) for more information.



FEBA at CBD SBSTTA 23: “Biodiversity, Climate Change and People: How to monitor and evaluate efforts to increase resilience” and “Achieving Biodiversity Targets through NbS for Disaster Risk Reduction and Adaptation”

25 – 29 November 2019, Montreal, Canada

At CBD SBSTTA 23, FEBA convened a session to launch the **Guidebook for Monitoring and Evaluating Ecosystem-based Adaptation Interventions**, produced in collaboration with the FEBA working group on M&E. [Download](#) the event report.

PEDRR and FEBA also jointly hosted the session “Achieving Biodiversity Targets through Nature-based Solutions for Disaster Risk Reduction and Adaptation”. At CBD SBSTTA 23 there was strong recognition by Parties on the linkages and interdependence between biodiversity loss, climate change, desertification and land degradation. The Executive Secretary will be collecting Party views on these interlinkages for consideration by the Post-2020 Global Biodiversity Framework

Contact [Emily Goodwin](#) for more information.



Oceans & Climate – the Blue COP25

December 2019, Madrid, Spain

Under Chilean presidency, the UNFCCC COP25 took place in Madrid Spain. While there was disappointment about the ambition within the negotiations, as in recent COPs, there was considerable momentum and energy in the parallel events led by civil society and the private sector. Rare was particularly excited about the overall enthusiasm for the ‘Blue COP’, highlighting the significant link between oceans and climate.

[Download](#) the UNFCCC Nairobi Work Programme Scoping Paper on the topic of Adaptation Knowledge and Knowledge Gaps on the Ocean, Coastal Areas, and Ecosystems, which FEBA contributed to.

Read more from Rare on ocean-climate linkages at UNFCCC COP25 [here](#). Contact [Frederik Stapke](#) for more information.

UNFCCC COP25: “The Potential & Challenges of Scaling Up Ecosystem-based Adaptation”

6 December 2019, Madrid, Spain

FEBA members organized this event to promote collaboration and knowledge sharing on EbA. Dr. Jong-Soo Yoon, Former vice Minister of Environment of the Republic of Korea opened the event welcoming the audience and emphasizing the use of ecosystem services and biodiversity for addressing climate change. Dr. Philipp Behrens - Head of Division, International Climate Initiative of BMU, Government of Germany – congratulated the FEBA Secretariat and all the partners involved in moving forward and mainstreaming EbA implementation work. He also announced that IKI will invest 60€ million to keep supporting EbA work worldwide, of which 20€ million will be allocated to a Global EbA Facility managed by IUCN and UNEP.

Contact [Ali Raza Rizvi](#) for more information.



Photo: IUCN

UNFCCC COP25: Development & Climate Days (D&C Days)

8 December 2019

Development & Climate Days are forums to debate topics and issues at the interface of development and climate change. For the first time, the 2019 D&C Days had a theme of nature-based solutions and ecosystem-based adaptation. Participants looked at the opportunities and challenges around scaling-up solutions based on lessons learnt on the ground. Key conclusions included:

- NbS must be used and scaled up in all sectors to build climate resilience.
- Multi-stakeholder cross-sectoral partnerships are vital to deliver and scale up NbS actions to build climate resilience.
- Successful NbS requires participatory approaches and valuing indigenous and local knowledge.

[Download](#) the event report.

Contact [Xiaoting Hou Jones](#) for more information.

UNFCCC COP25: “Driving adaptation in mountains through community- and ecosystem-based innovations”

10 December 2019, Madrid, Spain

Mountain communities and ecosystems are on the frontlines of climate change. Urgent action is needed that considers the ecosystem in its entirety and mobilizes local communities and key stakeholders for economic innovation. Through a combination of inspirational talks and high-level panel discussion, this event explored innovative and impactful ecosystem-based approaches to both further implementation and enhance ambition in mountain ecosystems. Speakers and participants highlighted how investment opportunities and collaboration between sectors on the synergies between the environment, economics and, food security can accelerate the adaptation and scalability of nature-based solutions.

Contact [Verónica Ruiz Garcia](#) for more information.

Youth4Nature at UNFCCC COP25

December 2019

The Youth4Nature delegation was comprised of 9 youth from 7 different countries and represented 3 UN Regional Groups. Over the course of a week the group accomplished the following:

- 1) Stood up for youth, nature, and climate at 30 speeches and presentations, delivered at events and to audiences like the High-Level Meeting on Forests, the High-Level Meeting on Oceans, UN-REDD+, the Resilience Lab, Connect4Climate, Friends of Ecosystem-Based Adaptation, and more;
- 2) Delivered 2 panels (Young Politicians and the Environment at the SDG Pavilion & Intergenerational Dialogue on Nature-based Solutions at the WWF Panda Pavilion) with a combined turnout of over 100 youth, civil society members, and government officials;
- 3) Organized and facilitated a 100+ person rally for nature-based solutions featuring a diverse set of young activists from around the world and civil society representatives;



Photo: Youth4Nature

- 4) Lobbied government officials from Mexico, Panama, Costa Rica, Canada, Nigeria, Kenya, the United Kingdom, the European Union, and more on including nature, climate, and people at the center of their policies;

- 5) Strengthened our relationship with fellow young professionals, Indigenous leaders, and civil society members, supported much greater ambition, and pushed for our officials to do better across all agenda items!

Read more from the Youth4Nature team [here](#).

Contact [Hailey May](#) for more information.

Training of Trainers on EbA, Tanzania

18-20 December 2019

The EbA training session was part of a UNEP-supported project, titled 'Ecosystem-based Adaptation for Rural Resilience (EBARR)'. Key decision-makers and technical staff attended the workshop, and trainings are now planned at the district-level for 2020.

More information about the training is available [here](#).

Contact [Mara Baviera](#) for more information.

Publications and communications

Voluntary guidelines for the design and effective implementation of ecosystem-based approaches to climate change adaptation and disaster risk reduction and supplementary information

By the Secretariat of the Convention on Biological Diversity

These guidelines provide a flexible framework for planning and implementing EbA and Eco-DRR. They were prepared in response to a decision from the 13th Conference of the Parties to the Convention on Biological Diversity (CBD) in Cancun. The report, prepared by the CBD Secretariat and GIZ, contains the version of the guidelines as adopted by the 14th CBD Conference of the Parties in Sharm el-Sheikh as well as updated supplementary information. The guidelines are organized into three parts:

Part 1: Primer for policy-makers: high-level policy guidance for focal points to the CBD, UNFCCC, UNCCD and UNISDR, policy makers within governments and other relevant organizations, including the private sector, researchers, donors.

Part 2: Guidelines for practitioners help to operationalize EbA and Eco-DRR at the programme and project level.

Part 3: Outreach into sectors includes briefs for practitioners, prepared in collaboration with a number of partner organizations, to support advocacy for the integration of EbA and Eco-DRR into the sectoral policies and plans (1) [development planning and public finance](#); (2) [spatial planning in land- and seascapes](#); (3) [agriculture](#); (4) [humanitarian aid](#); (5) [infrastructure](#); (6) [forestry](#); and (7) [water](#).

Relevant links are available as follows:

1. [Guidelines \(full version\)](#)
2. [Primer for policymakers and voluntary guidelines \(Part 1 & 2 only\)](#)
3. [Outreach into sectors \(Part 3 only\)](#)

Contact [Annie Cung](#), CBD Secretariat for more information.



Photo: CBD

Guidebook for Monitoring and Evaluating Ecosystem-based Adaptation Interventions

By Sylvia Wicander, UNEP-WCMC, and members of the FEBA M&E Working Group; published by GIZ

The Guidebook for Monitoring and Evaluating Ecosystem-based Adaptation Interventions has been developed to provide practitioners and planners who design and implement EbA with an overview of the process needed for developing and operationalizing effective M&E for EbA interventions. While recognizing that there is no one-size-fits-all approach for monitoring and evaluating EbA, the Guidebook breaks this process down into four key steps that any project team of an EbA intervention can follow. This Guidebook emphasizes going beyond simply measuring the activities and outputs of an EbA intervention, to evaluating the outcomes and impacts of those actions. Focusing on outcomes is essential for understanding whether EbA measures are having the desired effects.

The Guidebook will be available online in early 2020 and will be shared on the [FEBA webpage](#) when available.

Contact [Sylvia Wicander](#) for more information.

Wikipedia Article on Ecosystem-based Adaptation

Members of the FEBA Wikipedia Working Group

Members of the FEBA working group published a Wikipedia page on EbA to spread knowledge of the EbA concept to a broad audience.

The Wikipedia article is available [here](#).

Contact [Emily Goodwin](#) for more information.

Ecosystem-based Adaptation Tools Navigator

By UNEP-WCMC, IIED, IUCN and GIZ

Together, IIED, IUCN, UNEP-WCMC and GIZ developed the EbA Tools Navigator to help practitioners and policymakers identify the most appropriate tools for including EbA into their climate adaptation plans. This searchable database includes information on more than 240 tools and methods for planning, implementing and monitoring EbA activities. The tools featured cover an array of topics, including planning and assessments, implementation and valuation, monitoring and mainstreaming. The Navigator has been designed to help users find the most appropriate tools and methods to support their work and put them into practice. Detailed information is provided about each tool and how to apply it. Users can also add information about new tools not yet included, as well as their own experiences in applying particular tools for EbA. The Navigator is available in English, French and Spanish.

Read more about the Navigator [here](#).

- Download the Navigator, including search functionality (Excel): [EN](#) | [FR](#) | [ES](#)
- Download the Navigator (Excel): [EN](#) | [FR](#) | [ES](#)
- Download the Navigator tutorial (PDF): [EN](#) | [FR](#) | [ES](#)

Contact [Charlotte Hicks](#) and [Xiaoting Hou Jones](#) for more information.



Mangroves line India's Kaveri river. Mangrove forests can protect coastal areas from erosion, support fish stocks and store carbon dioxide (Photo: Avinash Bhat, Creative Commons via Flickr)

Ecosystem-based Adaptation Briefing Note Series

By UNEP-WCMC / UN Environment Programme

The briefing note series aims to help its readers to make best use of EbA as part of a balanced approach to addressing climate change adaptation. The briefing notes aim to foster a common understanding of key concepts, issues and considerations to help design, plan and implement successful EbA initiatives. They highlight issues that need to be addressed and potential trade-offs and tensions that need to be resolved to enable EbA to form part of – and contribute to – the wider landscape of climate change adaptation in the context of sustainable development. The series comprises seven briefing notes, covering: navigating the adaptation challenge; EbA measures in different ecosystem contexts; selecting complementary adaptation measures; developing the economic case for EbA; integrating EbA into national planning; and identifying UN Environment's role in supporting EbA work.

The full briefing note series is available [here](#).

The series comprises seven briefing notes:

1. [Making EbA an effective part of balanced adaptation strategies: Introducing the UN Environment EbA briefing notes](#)
2. [Navigating the adaptation challenge](#)
3. [EbA in different ecosystems: placing measures in context](#)
4. [Selecting complementary adaptation measures](#)
5. [Developing the economic case for EbA](#)
6. [Integrating EbA into national planning](#)
7. [UN Environment and EbA](#)

Contact [Sylvia Wicander](#) for more information.

Report: *Is ecosystem-based adaptation effective? Perceptions and lessons learned from 13 project sites*

By Reid H, Hou Jones X, Porras I, Hicks C, Wicander S, Seddon N, Kapos V, Rizvi A R, Roe D

This report shares results from research assessing EbA effectiveness at 13 case study sites in 12 countries in Asia, Africa and Central and South America to help address the knowledge gaps about EbA implementation. It also describes political, institutional and governance-related conditions that facilitate or inhibit effective EbA at each site. The report recommends that those implementing EbA should adopt participatory processes, work with local organizations, value local knowledge and take measures to address differential benefits and trade-offs.

[Download](#) the publication.

View the individual case studies:

[South Africa](#)

[Kenya](#)

[Bangladesh](#)

[China](#)

[Peru \(Andes\)](#)

[Peru \(IUCN\)](#)

[Chile](#)

[Nepal](#)

[Uganda](#)

[Burkina Faso](#)

[Costa Rica](#)

[El Salvador](#)

[Senegal](#)

Contact [Xiaoting Hou Jones](#) for more information.

Briefing: *Nature-based solutions to climate change adaptation*

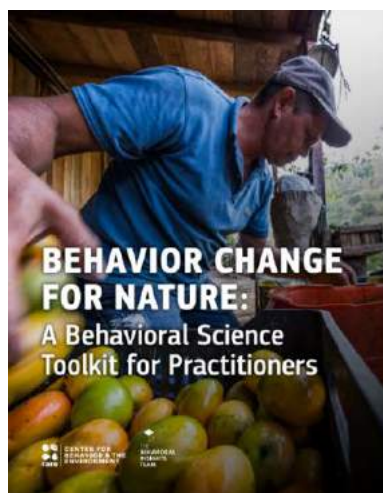
BY Hannah Reid, Charlotte Hicks, Xiaoting Hou Jones, Valerie Kapos, Ali Raza Rizvi, Sylvia Wicander

This briefing presents key findings from the *Is ecosystem-based adaptation effective? Perceptions and lessons learned from 13 project sites* report and summarises the policy, capacity and governance conditions that enable EbA to flourish, extracting lessons for both government bodies and on-the-ground implementers.

[Download](#) the briefing.

Additional briefings were developed which targeted the message to audiences at key global events, including the UN Secretary General's Climate Summit, CBD SBSTTA23 and UNFCCC COP25. [Download the policy briefs: UNSG | CBD | UNFCCC.](#)

Contact [Xiaoting Hou Jones](#) for more information.



Behavior Change for Nature: A Behavioral Science Toolkit for Practitioners

By Rare and The Behavioural Insight Team

Building on more than 40 years of experience, Rare, in partnership with the Behavioural Insight Team (BIT), developed a Behavior Change toolkit for conservation and development professionals. Under the title 'Behavior Change for Nature' the report describes 15 feasible strategies to make environmental development stick.

[Download](#) the toolkit.

Contact [Frederik Stapke](#) for more information.



GIZ/GP Mainstreaming EbA

Governance for EbA: Understanding the diversity of actors & quality of arrangements

By Thora Amend & Mathias Bertram

The study provides decision makers and practitioners with background information on key concepts and mainstreaming of EbA governance with 18 practical examples.

The study focuses on the role of state, civil society, and business actors' various governance types and reflects on good governance as well as equity issues at the international and local level. With recommendations on how to enhance the quality of multi-actor processes and guiding questions for good governance, the conclusions carry important messages for EbA planners and implementers.

Download the publication. Contact **Luise Richter** for more information.

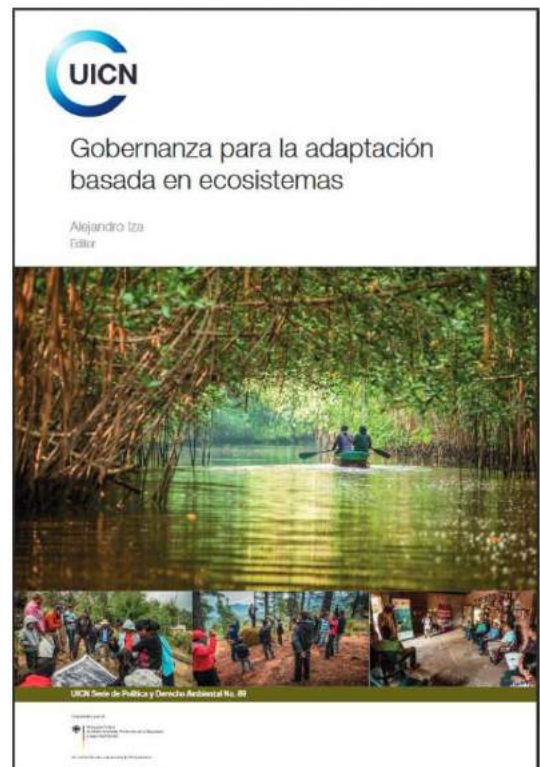
Gobernanza para la Adaptación basada en Ecosistemas (Spanish)

By Alejandro Iza (ed.)

This publication reflects on the necessary enabling conditions to facilitate the scaling-up of EbA. The book is divided into six chapters: 1) Adjustment; 2) Capacity; 3) Evidence; 4) Policy; 5) Institutions; and 6) Negotiations. This book offers recommendations on lessons learned, projects, case studies that would allow to improve the design and implementation of Governance for EbA and its components at different levels to promote best practices in the Mesoamerican region, so that it can be used as a tool in different regions with similar environmental, social and economic conditions.

Download the publication [here](#).

Contact **Lorena Martínez Hernández** and **Pia Hernandez** for more information.



Book launch "Gobernanza para la Adaptación basada en Ecosistemas".
Photo: IUCN ORMACC

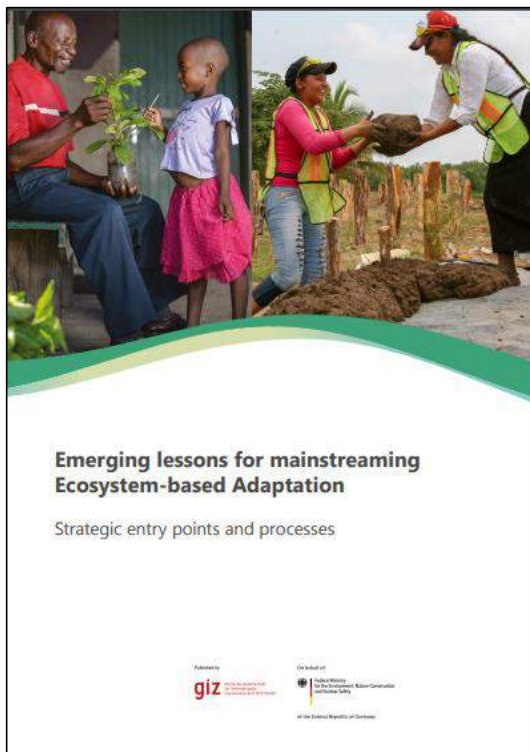
Short training “Gobernanza para la Adaptación basada en Ecosistemas”

By Martínez Hernández, L. (et. al.)

This short course of no more than 10 hours includes 3 modules. The first module introduces the concept of EbA and the important governance aspects. The second module reflects on the integration of EbA into policies and legal frameworks. The third and final module introduces environmental rights and their role in promoting EbA.

The short course is available [here](#).

Contact [Lorena Martínez Hernández](#) and [Pia Hernandez](#) for more information.



GIZ/GP Mainstreaming EbA

Emerging lessons for mainstreaming Ecosystem-based Adaptation: Strategic entry points and processes

By Dr. Lili Ilieva and Thora Amend

This study highlights success factors and entry points for mainstreaming EbA based on 16 practical case studies from Mexico, Peru, South Africa, Philippines and Viet Nam. The lessons focus on national planning and development processes (e.g. climate policy and budget allocation), sectoral policies and regulatory frameworks (e.g. sector planning and land-use planning), local and community planning processes (e.g. village planning, municipal planning), private sector engagement (e.g. public-private partnerships) and finally capacity building. The study further derives emerging lessons learnt for mainstreaming, including identifying policy entry points, strengthening institutional collaboration, engaging multiple actors and effective communication.

Download the publication [here](#).

Contact [Luise Richter](#) for more information.

Nature-based Solutions: Increasing private sector uptake for climate-resilient infrastructure in Latin America and the Caribbean

By Watkins, G., Silva, M., Rycerz, A., Dawkins, K., Firth, J., Kapos, V., Canevari, L., Dickson, B., Amin, A.-L.

Nature-based Solutions (NbS) have the potential to help make infrastructure more resilient to climate change: mangroves and seagrasses can help attenuate storm surges in place of or in addition to seawalls; wetlands can be used to support water treatment facilities; and reforestation efforts can help to mitigate flood and landslide risks to roads and other transport infrastructure. NbS also offer a wide range of social and ecological co-benefits. Despite this, there are few profiled examples of NbS being used by the private sector to support climate resilient infrastructure in Latin America and the Caribbean. Through a collaborative project, UN Environment Programme, the Inter-American Development Bank, Acclimatise, and UN Environment Programme World Conservation Monitoring Centre, aim to identify examples of private sector use of NbS for infrastructure projects to better understand the barriers and enablers to their implementation in the regions and identify opportunities to increase uptake. This Emerging Findings discussion paper was released during COP 25.

Download the publication [here](#).

Contact [Katie Dawkins](#) and [Amanda Rycerz](#) for more information.

Criteria for monitoring and evaluation of climate change adaptation measures: Technical note

By National Institute of Ecology and Climate Change (INECC): Margarita Caso Chávez, María del Pilar Salazar Vargas, Aram Rodríguez de los Santos, and Carlos Matias Figueroa

This note sets out criteria for the evaluation of the design of climate change adaptation measures, based on specialized literature and validated in a collective dialogue with key stakeholders. The document is part of the Project: “Construction of schemes of monitoring and evaluation of adaptation in Mexico for the formulation of evidence-based public policies” (INECC-CONACYT).

Download the publication in [Spanish](#) or [English](#).

Contact [Margarita Caso Chávez](#), [María del Pilar Salazar Vargas](#) and [Aram Rodríguez de los Santos](#) for more information.

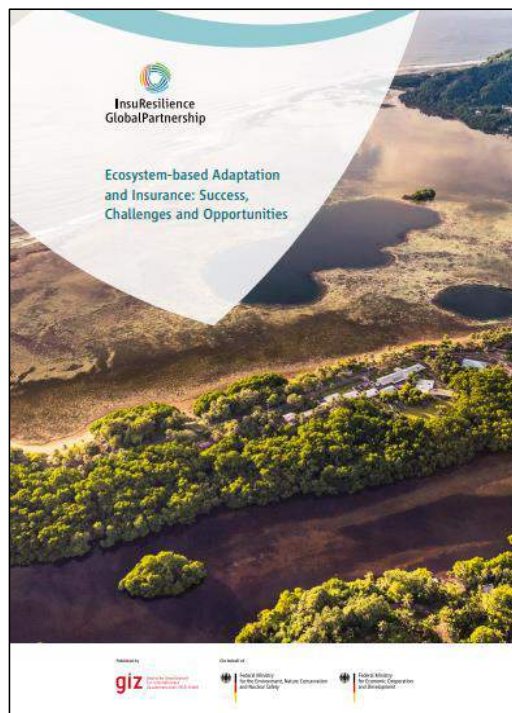
EbA and Insurance: Success, Challenges and Opportunities

By Michael W. Beck (University of California Santa Cruz), Oliver Quast (Social Impact Partners) & Kerstin Pflieger (The Nature Conservancy)

Ecosystem-based Adaptation (EbA) and Climate Risk Finance & Insurance (CRFI) can be used to enhance adaptation, reduce and transfer risk, and build resilience to the growing impacts from natural and human-made hazards. There is a growing interest in identifying where these strategies may intersect and be mutually beneficial for adaptation. This research looks into some opportunities to integrate Nature-based Solutions and insurance mechanisms. Eleven case studies and examples help formulate policy relevant recommendations for insurances, environmental NGOs, academia, governments, donors, and investors about climate risk financing and EbA.

Download the publication [here](#).

Contact [Luise Richter](#) for more information.



GIZ/GP Mainstreaming EbA, InsuResilience Global Partnership, ACRI+



The role of the natural environment in adaptation – Background paper for the Global Commission on Adaptation

By Kapos, V., Wicander, S., Salvaterra, T., Dawkins, K., Hicks, C.

This paper provides an evidence-based overview of the role of the natural environment in adaptation to climate change to inform the flagship report and action tracks of the Global Commission on Adaptation (GCA). It explores how nature underpins economies and society, highlighting sectors of particular interest to the GCA (food security and rural livelihoods; cities; infrastructure; industry and supply chains) and the climate risks that affect them. It reviews experience of specific NbS for adaptation (and includes over 25 illustrative case examples), highlighting that they have both economic and practical advantages and can be used to address a wide range of climate hazards. The paper also highlights opportunities and specific actions that will help key stakeholder groups to advance this vision.

Download the paper.

Contact [Valerie Kapos](#) for more information.

CLIMA

By Martínez Hernandez, L. (et. al.)

CLIMA is a question-based tool that helps to analyze the political, legal and institutional environment for adaptation to climate change. It also helps to identify the strengths and challenges of governance and then develop an action plan to implement EbA in the most effective and sustainable way.

Learn more [here](#).

Contact [Lorena Martínez Hernández](#) and [Pia Hernandez](#) for more information.



Relatoría del Taller Gobernanza, valoración económica y financiamiento para la adaptación al cambio climático: Governance, economic valuation and finance for EbA workshop report

By GreenWatersheds/ CuencasVerdes Project, G. Escaffi, E. Villanueva, A. Matus, D. Torres

This report, produced by OroVerde’s GreenWatersheds project, documents challenges, opportunities, and recommendations for the promotion of economic valuation, governance mechanisms, and funding options for EbA, as an outcome of a multi-stakeholder workshop in Mexico.

Download the report.

Contact [Torsten Klimpel](#) for more information.



Solucionesabe.org

By Perez de Madrid, M. (et. al.)

The website www.SolucionesAbE.org includes:

- “Descubre”: a section with concepts and a clear description of EbA practices in various ecosystems and their role for adaptation.
- “Diseña”: a virtual guide to design EbA projects. It includes two main tools:
 - Canvas – a tool to design EbA projects, made of 9 Modules.
 - CLIMA—a fully interactive question-based guide to appraise EbA governance frameworks.
- “Soluciones”: a section where project’s experiences are shared. In addition, there is also an ARCGIS map of Adaptation projects in Mesoamerica that has systematized 173 projects up to now.

Contact [Lorena Martínez Hernández](#) and [Pia Hernandez](#) for more information.

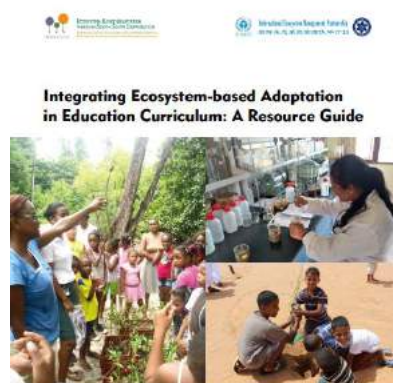
Briefing: Using forest ecosystems to build resilience in Chile

By Hannah Reid & Karen Podvin

This briefing draws lessons from The Ecosystems Protecting Infrastructure and Communities (EPIC) project in Chile, which promoted ecosystem-based disaster risk reduction (Eco-DRR) and EbA approaches, researching how nature-based solutions (NbS) build resilience and the protective role of native forests facing avalanches and landslides. The briefing shows how EbA can effectively tackle climate change and reduce the risks of disaster and outlines the wider opportunities and challenges around local, regional and national policy, institutionalization and capacity related to implementing EbA and Eco-DRR in Chile.

Download the briefing: [EN](#) | [ES](#)

Contact [Hannah Reid](#) and [Karen Podvin](#) for more information.



Integrating Ecosystem-based Adaptation in Education Curriculum: A Resource Guide



Integrating Ecosystem-based Adaptation in Education Curriculum: A Resource Guide

by Dr. Lili Ilieva, UNEP-IEMP

The reference guide is designed to support teachers and environmental educators to incorporate the key aspects of EbA into formal or non-formal education curriculum. It promotes awareness of the key role that ecosystems play for communities to adapt to climate change. This guide is designed to enable educators at the different education levels—primary, secondary, university—and from diverse subject areas to introduce EbA across curriculum.

[Download](#) the publication

Contact [Tatirose Vjijtpan](#) for more information.

Infographic: “Construction of schemes of monitoring and evaluation of adaptation in Mexico for the formulation of evidence-based public policies” (INECC-CONACYT)

By National Institute of Ecology and Climate Change (INECC): Margarita Caso Chávez, María del Pilar Salazar Vargas, Aram Rodríguez de los Santos, and Carlos Matias Figueroa

An infographic that presents the Project “Construction of schemes of monitoring and evaluation of adaptation in Mexico for the formulation of evidence-based public policies” (INECC-CONACYT) the lines of work and the results. Available only in Spanish.

Download the [infographic](#).

Contact [Margarita Caso Chávez](#), [María del Pilar Salazar Vargas](#) and [Aram Rodríguez de los Santos](#) for more information.

Photo: INECC, 2020



Briefing: Ecosystem-based climate adaptation: building on the positives in El Salvador

By Hannah Reid, Marta Pérez de Madrid, Orsibal Ramírez, and Charlotte Hicks

This briefing draws lessons from the Adaptation, Vulnerability and Ecosystems Project in El Salvador and discusses the policy, institutional, and capacity-related challenges and opportunities to rolling out EbA more fully across the country. It suggests potential actions to overcome the challenges and maximize the potential EbA has already achieved through the restoration of mangrove ecosystems in the Paz River, which also strengthened community livelihoods in the area.

Download the briefing: [EN](#) | [ES](#)

Contact [Hannah Reid](#) for more information.



Photo: INECC, 2020

Infographic: Criteria for the design of climate change adaptation measures in Mexico.

By National Institute of Ecology and Climate Change (INECC): Margarita Caso Chávez, María del Pilar Salazar Vargas, Aram Rodríguez de los Santos, and Carlos Matias Figueroa

This infographic presents the 12 criteria for the design of climate change adaptation measures in México. It was developed as part of the Project “Construction of schemes of monitoring and evaluation of adaptation in Mexico for the formulation of evidence-based public policies” (INECC-CONACYT). Available only in Spanish.

Download the [infographic](#).

Contact [Margarita Caso Chávez](#), [María del Pilar Salazar Vargas](#) and [Aram Rodríguez de los Santos](#) for more information.

Infographic: Collection of information in situ as supply to support monitoring and evaluation of adaptation measures to climate change

By National Institute of Ecology and Climate Change (INECC): Margarita Caso Chávez, María del Pilar Salazar Vargas, Aram Rodríguez de los Santos, and Carlos Matias Figueroa

This infographic presents a study which aimed to develop and apply an information gathering tool, as input for the Monitoring and Evaluation of adaptation measures implemented in Mexico. It was developed as part of the Project “Construction of schemes of monitoring and evaluation of adaptation in Mexico for the formulation of evidence-based public policies” (INECC-CONACYT). Available only in Spanish.



Photo: INECC, 2020

Download the [infographic](#)

Contact [Margarita Caso Chávez](#), [María del Pilar Salazar Vargas](#) and [Aram Rodríguez de los Santos](#) for more information.

Protocol for Implementation of Ecosystem-based Adaptation Interventions in Coastal Wetlands of the Seychelles

By Dr. Elvina Henriette, UNEP-IEMP

The Seychelles EbA protocol aims to support EbA project planners and practitioners to design and plan step-by-step EbA interventions in coastal wetlands. It is developed based on direct experience, challenges and lessons learned from the EbA pilot interventions under the EbA South project in the Seychelles. It also highlights the adaptive management approach to address unexpected situations throughout the project implementation on-the-ground. The content can be applied beyond the Seychelles to other coastal communities and particularly SIDS facing similar climate change impacts.

Download the publication [here](#).

Contact [Tatirose Vijitpan](#) for more information.



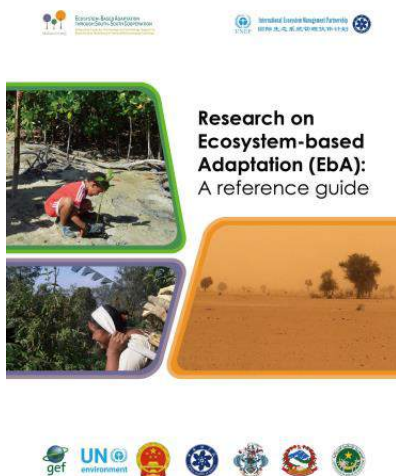
Press release: UNEP, IUCN launch major new EbA programme

By UNEP and IUCN

The UN Environment Programme (UNEP) and the International Union for Conservation of Nature (IUCN) are jointly launching the Global Fund for Ecosystem-based Adaptation [2020-2024], which aims to provide targeted and rapid support mechanisms through seed capital for innovative approaches to Ecosystem-based Adaptation. UNEP and IUCN will be supporting target countries in implementing EbA measures to meet their global plans and commitments. The measures funded by this programme will be supported by specific expertise- and capacity-building, while strengthening information, knowledge and political will for nature-based solutions to adaptation. To do so, IUCN and UNEP will draw on their extensive existing networks, tools and expertise, including [Friends of Ecosystem-based Adaptation \(FEBA\)](#), supported by IUCN, and the [Global Adaptation Network](#), supported by UNEP.

Read more [here](#) and [here](#).

Contact [Lis Bernhardt](#) & [Ali Raza Rizvi](#) for more information.



Research on Ecosystem-based Adaptation (EbA): A Reference Guide

by Dr. Lili Ilieva, UNEP-IEMP

The research guide is intended to assist researchers in developing a plan or proposal for a research study on EbA. The objective is to strengthen the understanding of core concepts, provide an analysis of current and prevailing knowledge gaps and research needs for EbA, with an insight into where potential research should be focused for future knowledge generation. It highlights considerations with regards to selecting an appropriate research approach, reviewing the literature to position the proposed study within the existing research.

Download the publication.

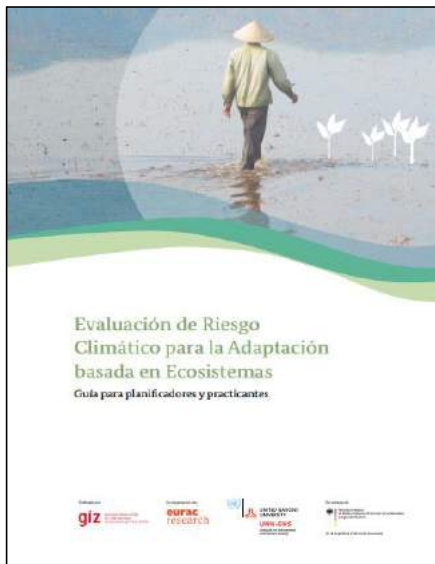
Contact [Tatirose Vijitpan](#) for more information.

Contribución a la resiliencia sociocultural en comunidades vulnerables

By Lic. Deilys Londres de la Rosa. UG, Dr.C Bárbaro Zabala Lahitte. UPSA, Lic. Lilian Lorente Ocaña. Universidad de Guantánamo, Cuba

Esta investigación tuvo como objetivo proponer un grupo de herramientas de intervención sociocultural dirigidas a incrementar la participación comunitaria en la adaptación basada en ecosistemas, que faciliten la acción y soluciones colectivas mediante procesos participativos y el trabajo en equipo.

Contact [Annelie Fincke](#) for more information.



GIZ/GP Mainstreaming EbA

'Evaluación de Riesgo Climático para la Adaptación basada en Ecosistemas – guía para planificadores y practicantes' en Español
 By Michael Hagenlocher, Stefan Schneiderbauer, Zita Sebesvari, Mathias Bertram, Kathrin Renner, Fabrice Renaud, Helen Wiley, Marc Zebisch

The Climate Risk Assessment Guidebook is now available in Spanish! It provides a standardized approach to assess risks within social-ecological systems based on two application examples (river basin and coastal zone management) by following the methodology of [the GIZ vulnerability sourcebook](#) (GIZ 2014) and its [Risk Supplement](#) (GIZ and EURAC 2017). It helps to improve adaptation planning by considering both ecosystem-based and conventional options in the form of integrated 'adaptation packages.' The Guidebook will also be published in Russian and Japanese in 2020.

[Download the publication](#)

Contact [Luise Richter](#) for more information.

Overview Document: Knowledge Products of the Global Project Mainstreaming EbA
 By GIZ/Global Project Mainstreaming EbA

This is a compilation of all central knowledge products on Ecosystem-based Adaptation produced by the BMU-IKI funded Global Project Mainstreaming EbA. You will find both brief descriptions and links as well as QR-codes for each publication in the document. This way, it is easier and faster to getting an overview of what is available and find what you need. The list will be updated with new publications on a regular basis.

[Download the publication here.](#)

Contact [Luise Richter](#) for more information.



GIZ/Global Project Mainstreaming EbA

Impact assessment of Ecosystem-based Adaptation in Miraflores, Peru: Working Paper
 By Annika K. Min

This research overview summarizes key messages obtained from a case study about EbA in the Peruvian Andes during the Mountain EbA project in Miraflores, which aimed to improve natural resource management in local mountain pastures and wetlands with a focus on community organization. The author shows how various indicators and monitoring frameworks can be used to display EbA effectiveness. With help of data sets, including pasture carrying capacity, a vegetation index, perceptions of community organization and knowledge, the research suggests conceptual tools and indicators to measure EbA progress.

[Download the publication.](#)

Contact [Luise Richter](#) for more information.

UNEP Factsheets on Ecosystem-based Adaptation Projects

By UNEP

UNEP has produced a series of factsheets outlining the main approaches of ongoing and recently completed EbA projects. Explore the factsheets below:

Cambodia: The main approaches of the project are to reforest natural land to regulate soil waterflow; create patrols to halt illegal logging; establish 'home-gardens' with irrigation to diversify sources of food and income; and develop early warning climate systems to inform farmers' planting decisions.

Comoros: The main approaches of the project outlined in this factsheet are to restore and sustainably manage 7,500 ha of watersheds; build rainwater harvesting devices; construct anti-erosion structures on farmland; and develop sustainable livelihoods to diversify food and income sources.

Djibouti: The project outlined in this factsheet piloted approaches for rehabilitating degraded watersheds and wadi shores to reduce seawater intrusion and floods. Activities were designed to ease pressure on coastal buffer ecosystems like mangroves and increase incentives for ecosystem management (sources of fuelwood, fishing, agriculture, and ecotourism development).

Gambia: The main approaches of the project outlined in the factsheet are to restore degraded forests and farmland; establish ecologically sustainable businesses; develop 'home-gardens' to diversify food and income sources; and integrate adaptation actions into four sectoral policies.

Sudan: UNEP is helping the government of Sudan to build resilience among SRFPs in the White Nile State. The project's main approach is ecosystem-based adaptation (EbA), which involves protecting and restoring healthy ecosystems. EbA is proven to be highly cost-effective for withstanding extreme weather, and 80% of Sudan's population directly depend on ecosystem services for their livelihoods.

Tanzania: The approaches used by the two projects outlined in the factsheet include building and upgrading seawalls, relocating aquifers to protect them from rising seas, implementing integrated coastal zone management (ICZM) strategies, and restoring mangrove forests that protect coastal communities from floods.

Contact [Marcus Nield](#) for more information. Stories from these projects are available in separate entries below.

Seeding the Future: Schoolchildren in Cambodia Pave Way for Climate Adaptation

By UNEP

As part of a project to help people adapt to climate change, UNEP and the Cambodian government have established school vegetable gardens, along with a water-pump for irrigation and some training for growing vegetables.

Read the story [here](#).

Contact [Marcus Nield](#) for more information.



Students tend to a vegetable garden set up at a school where UNEP and partners are helping people adapt to climate change and diversify their farming methods in rural Cambodia.



The project has helped local businesses to flourish by reducing their reliance on rain-fed agriculture.

Forests and passion: a hero's guide to resisting climate change

By UNEP

For many people, retirement is a chance to take a break. Not so for Victorin Laboudallon, a grandfather from the Seychelles who spends his days planting forests to fight climate change. Wherever there's a forest fire in the Seychelles, you can be sure to find Laboudallon ready to fight back, armed with seeds and shovels. UNEP is working with people like Laboudallon to use nature as a defence against climate change.

Read the story [here](#) and watch the video [here](#).

Contact [Marcus Nield](#) for more information.

From Rice to Riches: Adapting to Climate Change On Cambodia's Coasts

By UNEP

Climate change, deforestation and rising sea-levels have been causing devastating rice shortages for Cambodia's coastal communities. UNEP is supporting the Cambodian government in their attempts to promote alternative livelihoods to overcome these challenges. To protect coastal land, the project has supported the community-led planting of trees to prevent erosion, including mangroves—the first line of defense against the rising tide of climate change.

Read the story [here](#).

Contact [Marcus Nield](#) for more information.



UNEP is working with reforestation experts like Victorin Laboudallon to use nature as a defence against climate change.



People living around one the community-protected areas make roof fronds out of leaves, toothpicks and sticks as part of a project supported by UNEP to help people build alternative livelihoods and decrease logging.

"I'm Proud to Have Brought The Rain Back": Reforestation Revives Cambodian Mountains

By UNEP

The illegal logging of Kulen national park has laid bare vast patches of forest. As the tree cover has shrunk, the people living on top of the mountain have watched the rain clouds that used to gather above the forest shrink or slip away altogether. With funding from The Adaptation Fund, UNEP has helped the government of Cambodia and partners to establish a nursery and provide materials to grow trees on Kulen. So far, the project has helped the community of around 300 people in Chuop Tasok grow 100,000 seedlings, and supported patrol groups in the planting of more than a quarter of a million trees.

Read the story [here](#).

Contact [Marcus Nield](#) for more information.



Xalapa's rapid urban expansion has often come at a cost to the ecosystems the city depends on.

Banking on nature: A Mexican city adapts to climate change

By UNEP

The Mexican city of Xalapa is surrounded by ecosystems that not only harbor stunning flora and fauna, but also provide crucial services to the city and its 580,000 people. The cloud forest, an indigenous mountain rainforest neighboring the city, provides 30 per cent of Xalapa's water supply, while the diverse soil and vegetation around it is a vital store of carbon. But both these natural assets and the city itself are feeling the effects by climate change.

Read the story [here](#).

Contact [Marcus Nield](#) for more information.

'Seawater is coming into our farms and killing the plants'

By UNEP

The water from the wells in Kisakasaka used to be so salty that it would turn people's teeth yellow. Children, no matter how thirsty, would often refuse to drink. But with no other water source in this farming village near Zanzibar's capital Stone Town, around 1,000 residents were forced to drink increasingly salty water that gave them headaches and nausea. The villagers formed a non-governmental organization to fight the effects of climate change and save their village from being battered by the winds and seawater advancing unimpeded due to the lack of tree barriers.

Read the story [here](#).

Contact [Marcus Nield](#) for more information.



Man poses next to a mangrove sapling at a reforestation project site supported by UNEP in the Kisakasaka community in Zanzibar.



Students at Bagamoyo secondary school now have more time to study and less days off sick, thanks to a UNEP-supported rainwater harvesting system that provides fresh water to an area where climate change is turning the groundwater increasingly salty.

Drink salty water or go thirsty? Climate change hits Tanzanian school children

By UNEP

The students at Kingani school in the Tanzanian town of Bagamoyo used to have two choices for drinking water at school: get sick or remain thirsty. Rising sea levels, increased drought and reduced or erratic rainfall made the drinking wells so salty it would cause headaches, stomach aches and ulcers. To make matters worse, the water that students would spend time fetching from watering holes was so dirty that it spread disease.

Read the story [here](#).

Contact [Marcus Nield](#) for more information.

Helping Gambian Youth Find Greener Pastures at Home

By UNEP

A staggering number of young Gambians have lost their lives trying to escape to Europe. UNEP and the Gambian government are implementing the largest natural resource development project in the history of the country to make their lives better back home.

Read the story [here](#).

Contact [Marcus Nield](#) for more information.



A woman surveys her crops in a village community garden in the increasingly dry north-eastern province of Gambia where UNEP and partners are helping communities adapt to climate change.

Press Release: Major New Project to Use Nature-based Solutions to Help Laos Adapt to Climate Change

By UNEP

10 per cent of Laos' population will benefit from a new project using nature-based solutions to reduce urban flooding. The project announced in this press release represents a major 'paradigm shift' of urban flood management in Laos, from hard infrastructure towards the integration of nature-based solutions, including the restoration of 1,500 ha of urban wetland and stream ecosystems to regulate water flow and thus reduce flood risk. The five-year project will be executed by Laos' Ministry of Natural Resources and Environment, with support from the United Nations Environment Programme (UNEP).

Read [the press release](#).

Contact [Marcus Nield](#) for more information.

Press Release: Launching of the National Adaptation Plan (NAP) Process in Mauritania

By NAP-GSP

This press release announces Mauritania's NAP. Climate change is exacerbating ongoing desertification and loss of biodiversity in Mauritania. The NAP will advance climate science, ecosystem-based adaptation, environmental economics and integrated adaptation strategies.

Read more [here](#).

Contact [Marcus Nield](#) for more information.

From Heatwaves to Rising Seas: How Trees Defend Us

By Inger Andersen, Executive Director of UNEP

This is an op-ed from Inger Andersen which explains how forests don't just tackle the causes of climate change by absorbing carbon emissions, but also treat the symptoms of climate change, whether they are heatwaves, drought or crumbling coastal towns.

Read the op-ed.

Contact [Marcus Nield](#) for more information.



Photo: Project Presentation to Villages in Sorobougou. Credit: Fatou Ndeye, APAF-Senegal.



Photo: Rainwater Harvesting Tank construction. Florian Biesle, IRHA.

'Rain, Forests, People' Project in Senegal

By Rachel Nisbet, IRHA

This article gives an overview of IRHA's 'Rain, Forests, People' agroforestry and EbA project in Senegal, the achievements accomplished under the project, and an overview of the process of Calabash construction. The goal of the project was to ensure the beneficiaries in our agroforestry and EbA project have access to clean drinking water, helping them stay enough to work on the land.

Read the articles:

- ['Rain, Forests, People' Project: Phase One Completed](#)
- [Calabash Construction as Rainwater Hospitality](#)
- [Readying for Rain](#)

Contact [Rachel Nisbet](#) for more information.

Programs, projects, and initiatives

ENVISION: An inclusive approach to the management of protected areas

January 2019–December 2021

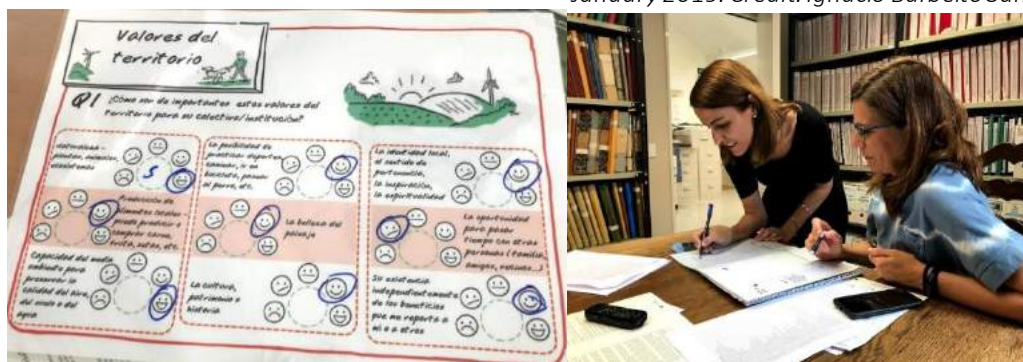
ENVISION is a 3-year project engaging an international trans-disciplinary team in inclusive conservation planning - balancing stakeholder visions and promoting shared agreements for the future management of resilient protected areas through the development and application of multiple tools and processes. This project is funded through the 2017-2018 Belmont Forum and BiodivERSA joint call under the BiodivScen ERA-Net COFUND programme.

More information is available [here](#).

Contact [Veronica Lo](#) for more information.



ENVISION international team at the inaugural meeting in Alnarp, Sweden, January 2019. Credit: Ignacio Barbeito Sanchez



Caribbean Biodiversity Fund Ecosystem-based Adaptation Facility

2018 - 2022

In November 2019, The Caribbean Biodiversity Fund (CBF) congratulated 11 organizations for their successful funding applications made under the CBF Ecosystem-based Adaptation (EbA) Facility's 1st Call for Proposals. Grants totaling US\$12 Million and ranging in size from US\$ 260,000 to US\$2 million will be provided for the implementation of EbA solutions within the marine and coastal zones of 10 Caribbean countries. [Read more here](#).

In December 2019, The Caribbean Biodiversity Fund (CBF) was pleased to announce a 20 million EUR top-up for its Ecosystem-based Adaptation (EbA) Facility from the German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU) International Climate Initiative, through KfW, the German Development Bank. [Read more here](#).

In February 2020, The EbA Facility's 2nd Call for Proposals, with similar scope and financial volume as the 1st Call for Proposals, is to be launched during the EbA Workshop in Santo Domingo, which is jointly organized by the EbA Facility, the German Development Bank (KfW), the International Union for Conservation of Nature (IUCN), and the German Development Agency (GIZ).

Read more about the Caribbean EbA Facility [here](#).

Contact [Karimould Chih](#) and [Dr. Joth Singh](#) for more information.

Building Climate Resilience Through Rehabilitated Watersheds, Forests and Adaptive Livelihoods in Comoros

2017-2021

The main approaches of the project are to restore and sustainably manage 7,500 ha of watersheds; build rainwater harvesting devices; construct anti-erosion structures on farmland; and develop sustainable livelihoods to diversify food and income sources. The project is addressing the adaptation priorities identified in the NAPA, such as promoting drought-resilient crops and increasing water supplies.

Find out more about the project [here](#) and [here](#).

Contact [Alex Forbes](#) for more information.



Women and children carry logs, branches and twigs down from the forests on top of Anjouan Island, where UNEP and partners are helping communities restore forests in important watersheds to stop soil erosion and failing harvests.

Rain, Forest and People: Towards agricultural sovereignty and community resilience in the face of climate change (*La Pluie, la forêt et les hommes*)

2019-2020

This EbA-agroforestry project, implemented in fourteen villages in the *Thiès* region of Senegal, counters the soil erosion associated with intensive farming practices. Key to the project is the enrichment of soil organic matter and soil porosity to improve agricultural yields. Local water retention will be improved by creating ponds to stock seasonal rainfall, vegetation barriers to prevent the drying effect of the Harmatan wind and soil erosion and increasing moisture levels through local evapotranspiration. Two hundred trees will



Students from Sine Saloum University helping to plant anti-erosive vegetation bands in Loul Sessene Village. Photo: Mme Fatou Ndeve, APAF-Senegal

Read more about the project [here](#).

Contact [Marc Sylvestre](#) for more information.

be planted along the perimeter of each one-hectare agroforestry island, with a further 100 trees distributed throughout the island.

Protecting the agroforestry parcels with thorny hedging prevents the intrusion of livestock and enables farmers to economize the cost of fencing their plots (2300 euros for a hectare square).

- Within three years, the agroforestry islands should create an 'oasis effect', retaining moisture locally.
- Four years after their planting, farmers will be able to harvest a tone of firewood (c.f. *sennas siamea*), and a tone of livestock fodder (c.f. *peltophorum pterocarpum*; *sennas siamea* leaves) in addition to food crops.

Direct Project Beneficiaries: 70 heads of farming families, 14 tree nursery employees, 14 village agroforestry committees, 2 researchers, 5 trained masons.

Transforming Evidence into Change: a Holistic Approach to Governance for EbA- GO4EbA

2014 - 2019

The project aimed to scale up EbA action in six target countries (Chiapas, Mexico; Guatemala, Honduras, El Salvador, Costa Rica and Panama) through:

- Increased understanding and capacity to address climate change
- Articulated policy and institutional frameworks
- Reliable evidence of its EbA multiple benefits
- Wide communication of EbA benefits

It was implemented in six pilot sites in transboundary water basins: Cahoacán River Basin, Coatán River Basin, Sumpul River Basin (upper micro-watershed), Goascorán River Basin, La Paz River Basin and Sixaola River Basin, where local natural resources and basin governance structures have been strengthened for implementing EbA actions. The project has contributed to enhance multilevel coordination for climate change adaptation policy-making and implementation, anchoring the EbA approach in local, regional, national and binational plans and policies.

Read more about the outcomes of the project [here](#).

Contact [Lorena Martínez Hernández](#) for more information.

GLISPA & Rare hosted Working Group on EbA and Fisheries

May 2019 – January 2022

Under the Fishing for Climate Resilience project that is supported by the International Climate Initiative (IKI), the Global Island Partnership (GLISPA) and Rare are co-hosting a Working Group on Ecosystem-based Adaptation and Fisheries. Launched at UNFCCC COP25, the working group will help to increase the relevance of EbA for coastal fisheries to create global leadership and national policy shifts around oceans and broad based resilience.

If you are interested in joining the working group and receiving more information, please submit your interest [here](#).

Contact [Frederik Stapke](#) for more information.



Photo: Frederik Stapke for Rare. Ronald Jumeao, (GLISPA) announcing the Working Group on EbA and Fisheries. With him on stage (left to right), representatives of Rare, the NDCP, BMU, Indonesia MoEF, Indonesia MMAF

Construction of schemes of monitoring and evaluation of adaptation in Mexico for the formulation of evidence-based public policies” (INECC-CONACYT)

2017-2020

This project aims to identify and develop quantitative and qualitative tools that contribute to the monitoring and evaluating of climate change adaptation measures, through the development of five lines of work that include the compilation of adaptation measures implemented in the country, methodologies for M&E of adaptation, a proposal for the economic analysis of adaptation measures, a proposal of an MRV of financing flows for adaptation, and the monitoring of the National Atlas of Vulnerability to Climate Change (ANVCC).

Read more about the outcomes of the project [here](#).

Contact [Margarita Caso Chávez](#), [María del Pilar Salazar Vargas](#) and [Aram Rodríguez de los Santos](#) for more information.

Rain Communities: Resilience and Integrated Natural Resource Management For Communities in Nepal's Mountain Regions 2019-2020

This EbA and integrated water resource management project, in Nepal's Kaski district, increases water infiltration and retention in the region. Tree planting, alongside pond and terrace restoration will increase the volume of water retained within the project area. This will increase the volume of water available as a drinking water source and for drip-fed crop irrigation. Local farmers and farming cooperatives will be trained in water resource management.

The UNFCCC's report predicts that, with climate change, Nepal will experience increasing periods of heavy rainfall. This will have an adverse effect on the already-marginalized communities living in Nepal's Mid-Hills region. Due to the region's mountainous topography and karstic geology, monsoon rainfall tends to runoff into rivers, rather than being locally retained. Deforestation has further reduced the volume of rainwater infiltrating local catchments and compounded erosion locally. Applying an Ecosystem-based Adaptation approach within its integrated water resource management project IRHA seek to change this situation, in partnership with our local partner Kanchan Nepal.

Direct Project Beneficiaries: The inhabitants of Pokhara Lekhnath Metropolitan City and surrounding, rural municipalities (32,399 people)

Read more about the project [here](#).

Contact [Marc Sylvestre](#) for more information.



Photo: A Pokhari (water-recharge pond) at Anandajyoti, Kaski District, Nepal. Photo credit: Mr Nirmal Adhikari, Kanchan Nepal.

Catalysing Ecosystem Restoration for Climate Resilient Natural Capital and Rural Livelihoods in Degraded Forests and Rangelands of Nepal 2019-2023

This project aims to increase the resilience of Nepalese communities to climate change through the restoration of degraded forests and rangelands.

Read more [here](#).

Contact [Moon Shrestha](#) for more information.

Building Resilience of Urban Populations with Ecosystem-based Solutions in Laos 2019-2024

10 per cent of Laos' population will benefit from a new project using nature-based solutions to reduce urban flooding. The project represents a major 'paradigm shift' of urban flood management in Laos, from hard infrastructure towards the integration of nature-based solutions, including the restoration of 1,500 ha of urban wetland and stream ecosystems to regulate water flow and thus reduce flood risk. The five-year project will be executed by Laos' Ministry of Natural Resources and Environment, with support from the United Nations Environment Programme (UNEP).

Read more [here](#).

Contact [Mara Baviera](#) for more information.

Ecosystem-based Adaptation through South-South Cooperation (EbA South)

2013-2019

The project is carrying out EbA activities in the deserts of Mauritania, the coasts of Seychelles, and the mountain forests of Nepal, and in the process, exchanging key EbA lessons between these three countries. EbA South is implemented by UNEP and executed by the National Development and Reform Commission of China (NDRC), through the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences (IGSNRR, CAS). The project is funded by the Global Environment Facility (GEF).

Additional information about the results of this project are available [here](#) as well as in a [video](#).

Contact [Atifa Kassam](#) for more information.

Enhancing Climate Change Resilience of Rural Communities Living in Protected Areas of Cambodia

2013-2019

The main approaches of the project are to reforest natural land to regulate soil waterflow; create patrols to halt illegal logging; establish 'home-gardens' with irrigation to diversify sources of food and income; and develop early warning climate systems to inform farmers' planting decisions.

Read more about this project in the factsheet [here](#) as well as the project page [here](#).



The project in Cambodia has planted more 900,000 trees, improved rice harvests for 872 families, and trained 500 households in sustainable income-generating activities, such as chicken raising and ecotourism.



The project, funded by the Adaptation Fund, has benefitted 430,000 people directly and 500,000 indirectly.

Implementation of Concrete Adaptation Measures to Reduce Vulnerability of Livelihoods and Economy of Coastal Communities of Tanzania

2012-2019

Two projects were implemented to address adaptation needs in Dar-es-Salaam (pop. 4.3m) and the following coastal districts: Pangani (pop. 54,025), Rufiji (pop. 182,000), Bagamoyo (pop. 82,578) and Zanzibar (pop. 1.3m). The approaches used by the two projects include building and upgrading seawalls, relocating aquifers to protect them from rising seas, implementing integrated coastal zone management (ICZM) strategies, and restoring mangrove forests that protect coastal communities from floods.

More information is available [here](#).

Coastal Resilience to Climate Change (CRCC): Nature based solutions for building resilience in vulnerable and poor coastal communities in Mozambique

August 2018 – December 2021

The Coastal Resilience to Climate Change initiative (CRCC) is a response of the Government of Mozambique to the increasing challenges coastal communities face as a result of climate change, seeking to increase the resilience of men and women in coastal communities through rights and ecosystem-based approaches. With support and cooperation by the Swedish Government, the Government of Mozambique, through its Ministry for Sea, Inland Waters and Fisheries (MIMAIP) and in partnership with IUCN and Rare, is seeking to increase the resilience of men and women in coastal communities through rights and ecosystem-based approaches.

CRCC is focused around improving the contribution of ecosystem services to addressing societal challenges arising as a result of climate variability in Mozambique. CRCC will do this by promoting the use of nature as a solution to support integrated approaches to issues such as economic and social development, climate change adaptation, food security, water security, human health and disaster risk reduction.

Contact [Verónica Ruiz Garcia](#) for more information.

Enhancing the Resilience of Communities Living in Climate Change Vulnerable Areas of Sudan Using Ecosystem-based Approaches to Adaptation

2017-2021

UNEP is helping the government of Sudan to build resilience among SRFPs in the White Nile State. The project's main approach is ecosystem-based adaptation (EbA), which involves protecting and restoring healthy ecosystems. EbA is proven to be highly cost-effective for withstanding extreme weather, and 80% of Sudan's population directly depend on ecosystem services for their livelihoods.

Read more about the project [here](#) and [here](#).

Contact [Alex Forbes](#) for more information.

Events

4 – 5 February 2020

Workshop on mobilizing up-scaling of Nature-based Solutions (NbS) for climate change throughout 2020 and beyond

This workshop will focus on exchanging experiences and taking stock of recent developments on, and potential for, future deployment of NbS for climate change. It will also provide an informal discussion space to identify options by which biodiversity, climate and sustainable development policies (both nationally and internationally) can support scaling up nature-based solutions, and to explore how to make the best use of events scheduled for 2020 to advance NbS uptake and implementation.

Contact [Sylvia Wicander](#) for more information.

25 – 26 February 2020

Ecosystem-based Adaptation Workshop organized by CBF, KfW, IUCN and GIZ

Santo Domingo, Dominican Republic

The goal of this workshop is to enhance grantees' and their partner organizations' ability to design, implement and evaluate successful EbA projects and programmes in Caribbean coastal and marine ecosystems and create a knowledge exchange platform for practitioners as well as policy makers. As such, the main target groups are CBF EbA grantee project managers and coordinators from grantee and partner organizations.

Read more about the EbA Facility and the workshop [here](#). Contact [Karimould Chih](#) and [Dr. Joth Singh](#) for more information.

27 – 30 April 2020

FEBA at Adaptation Futures

New Delhi, India

A number of EbA sessions will be hosted by FEBA partners at the Adaptation Futures Conference in New Delhi.

The session "Monitoring and evaluation for ecosystem-based adaptation: sharing experiences and improving practice" will introduce the Friends of EbA (FEBA)-endorsed Guidebook for Monitoring and Evaluating Ecosystem-Based Adaptation (to be published winter 2019/2020) to highlight best-practice principles and available resources. Following this, speakers will present their in-country experience of M&E for EbA, including on designing an M&E methodology for capturing the outcomes and impacts of EbA in the water sector in Thailand and developing indicators for EbA in Vietnam. Being an open session, the organizers will welcome additional presentations on concrete experience with the various aspects of planning and implementing M&E for EbA.

Two GIZ Sessions will focus on the PANORAMA-Solutions for a Healthy Planet platform and EbA Governance.

Visit the Adaptation Futures website [here](#). Contact [Sylvia Wicander](#) for more information about the M&E session. Contact [Arno Sckeyde](#) for more information about the PANORAMA and EbA governance sessions.

The PANORAMA session welcomes contributions from PANORAMA Solution Providers; kindly get in touch if you are participating in the conference and have provided solutions to PANORAMA.

1 - 11 June 2020

6th EbA Knowledge Day

Bonn, Germany

The 6th EbA Knowledge Day will be organized by GIZ in collaboration with IUCN and IIED during SB52. EbA-related topics will be approached through different formats. Details to be announced. EbA Knowledge Days are organized under the FEBA network.

View the documentation from the [5th EbA Knowledge Day](#) as well as documentation on [previous EbA Knowledge Days](#). Contact [Arno Sckeyde](#) and [Emily Goodwin](#) for more information.

June 2020 (dates tbd)

Friends of EbA (FEBA) members' meeting

Bonn, Germany

A FEBA members' meeting will be organized during SB52. Details to be announced.

Contact [Emily Goodwin](#) for more information.

June 2020 (dates tbd)

UNFCCC SB50 meetings and meeting of EbA and Fisheries Working Group

Bonn, Germany

Following Indonesia's recommendation, there will be a dialogue around ocean and climate at this year's SB52 meeting in Bonn, Germany. Next to this, GLISPA and Rare are considering to host a physical meeting of the EbA and Fisheries Working group that they are hosting as part of the Fishing for Climate Resilience project that is supported by the International Climate Initiative. Stay tuned for more information!

Register [here](#) to join the EbA and Fisheries Working Group and contact [Frederik Stapke](#) for more information.

2 – 6 June 2020

2nd UN Ocean Conference

Lisbon, Portugal

Under the headline "Scaling up ocean action based on science and innovation for the implementation of Goal 14: stocktaking, partnerships and solutions" the 2nd UN Oceans conference will take place in Lisbon, Portugal. FEBA and other partners will convene around implementation and scaling of EbA measures to help achieve SDG 14.

Visit the Ocean Conference website [here](#).

Contact [Frederik Stapke](#) for more information.

11 - 20 June 2020

FEBA Sessions at IUCN World Conservation Congress

Marseille, France

Held once every four years, the [IUCN World Conservation Congress](#) brings together several thousand leaders and decision-makers from government, civil society, indigenous peoples, business, and academia, with the goal of conserving the environment and harnessing the solutions nature offers to global challenges. A number of FEBA partners have EbA sessions at the IUCN WCC:

- [Doing it better: monitoring and evaluation for ecosystem-based adaptation](#) (12 June 2020)
This training session provides an overview of how to design and implement monitoring and evaluation (M&E) for ecosystem-based adaptation (EbA). Participants will learn how to use a theory of change approach for supporting long-term M&E that focuses on measuring outcomes and impacts, and for managing the challenges associated with M&E for EbA. Contact [Sylvia Wicander](#) for more information.
- [Accelerating Nature-based Solutions for Adaptation to Climate Change](#) (15 June 2020)
Nature-based Solutions (Nbs) for adaptation are receiving growing attention for their potential to reduce people's vulnerability to a range of climate change impacts and provide significant co-benefits for biodiversity and people. This session will focus on showcasing current success

stories and tools used in planning and implementing nature-based solutions for adaptation while also critically exploring what is needed to expand the implementation of nature-based solutions to a scale commensurate with the linked challenges of climate change. **Contact [Julie Greenwalt](#), [Anika Terton](#), [Annelie Fincke](#), and [Xioating Hou Jones](#) for more information.**

- **[Nature-based Solutions for Climate Resilience: Closing the Knowledge-Policy-Practice Loop](#)** (13 June 2020)

There is an urgent need to draw lessons learned about the factors that matter most in the design of effective, inclusive, and sustainable nature-based climate solutions. This is especially important now that funding for climate implementation is beginning to flow. Knowledge providers, policymakers, practitioners, and decision-makers need significantly improved climate risk information, policy interventions and sustainable solutions that can reliably address emerging challenges. The session will draw successes and challenges from a diverse array of initiatives, including innovative research and solutions, successes, and failures, representing viewpoints from practitioners, policymakers, researchers, and civil society working on multiple sectors. **Contact [Manishka Del Mel](#) for more information.**

- **[Planning Ecosystem-based Adaptation \(EbA\) using a 'Living Sponge' metaphor](#)** (13 June 2020)

This speaker pitch reports on monitoring of the social and physical sponges in EbA projects. A living sponge metaphor guides IRHA's two, pilot EbA projects: a catchment-scale water retention project (Nepal) and an agroforestry project (Senegal). These projects draw on our two decades of integrated sustainable development experience. **Contact [Rachel Nisbet](#) for more information.**

Contact [Emily Goodwin](#) for more information. An EbA Journey will be circulated to the FEBA mailing list.

Autumn 2020, dates tbd

Songlines for Resilient Communities

SAUTE (Swiss Association of University Teachers in English) members affiliated with the universities of St Gallen, Geneva, and Lausanne, and the Swiss NGO the International Rainwater Harvesting Alliance (IRHA) aim to create a dialogue with Nepali, Senegalese and British poets. This dialogue will explore the possibility of creating two poems that weave together the narratives of people involved in two of IRHA projects that further SDG 13.1. The aim of these poems is to stimulate long-term community memory for IRHA's EbA projects, to ensure their longevity through sustainable management.

SDG 13.1 concerns climate action that strengthens communities' resilience and adaptive capacity. IRHA is currently running two pilot projects that address this SDG: an agroforestry project in Senegal and a catchment-scale project in Nepal that retains rainwater in a river catchment. As these projects are designed to be sustainable, and have long-term impact, it is important that they retain strong links to community memory and community values. Creating two poetic songlines, which weave together the community members' place-based experience of their landscape, is on way to foster long-term links between community and ecological wellbeing. However, before implementing such a project we would like to explore how such songlines might best be devised in the Nepali and Senegalese contexts.

Details will be announced on the [IRHA webpage](#). Contact [Rachel Nisbet](#) for more information. We would welcome a speaker at this event to reflect on how this participative, narrative approach might be applied more widely. We also extend an invitation to FEBA members to participate in this symposium.

November 2020, dates tbd

Friends of EbA (FEBA) members' meeting

Glasgow, UK

A FEBA members' meeting will be organized during UNFCCC COP 26. Details to be announced.

Contact [Emily Goodwin](#) for more information.

Publications and communications

Adaptation Gap Report

By UNEP DTU

From 2020 and onwards, the Adaptation Gap Report will consist of two main parts: 1) A first part consisting of a recurrent assessment of global progress on adaptation in three areas: planning, financing and implementation. This part will include both quantitative (through indicators to be defined in the 2020 report) and qualitative assessments of adaptation progress with the aim of facilitating tracking of developments over time and providing input to UNFCCC Global Stocktake process defined in the Paris Agreement. 2) A second part that provides a deeper assessment of the status of adaptation within a particular sector or theme, but still framed around the same three elements as part one (planning, financing and implementation). The focus of the second part should change from year to year. In 2020, the topic will be Nature Based Solutions.

Visit the website [here](#) and contact [Marcus Nield](#) for more information.

Climate Change Vulnerability Assessment Report

By Rare

Across Indonesia, the Philippines, Micronesia, the Federal States of Micronesia and the Marshall Island, Rare is currently carrying out Climate Change Vulnerability Assessments. The resulting report will give insights into the impacts of climate change on vulnerable coastal communities and their ecosystems. Ultimately this will enable Rare and its partners under the Fishing for Climate Resilience project to identify measures that help increase the resilience of both people and environment.

Contact [Frederik Stapke](#) for more information.

Adaptación basada en ecosistemas y resiliencia de un sistema natural, después de un evento climático extremo

By Gerardo Begué Quiala, Jorge L. Delgado Labañino, Bárbaro Zabala Lahitte, Geovanys Rodríguez Cobas, Norvis Hernández Hernández y Yamilka Joubert Martínez

Los ciclones tropicales forman parte del grupo de fenómenos cíclicos de la naturaleza, es decir, cada año se forman en el mismo lugar, desde donde pueden tener distintas trayectorias en diferentes zonas geográficas del planeta, su desarrollo y desenlace final es, estocástico, o sea, probabilístico, Cuba y otras islas del Caribe, así como países del continente son y serán blancos de ellos. Esta investigación se realizó en La Melba después del paso de Matthew en el 2016, ahora se hicieron estudios comparativos de la efectividad de la resiliencia de los ecosistemas en presencia de manejos pasivos, activos y adaptativos, después de tres años de haber pasado el huracán, así como se pudo validar el estado actual de los 132 deslizamientos acaecidos en aquel entonces.

Contact [Annelie Fincke](#) for more information.

Results of the Project “Construction of schemes of monitoring and evaluation of adaptation in Mexico for the formulation of evidence-based public policies” (INECC-CONACYT)

By National Institute of Ecology and Climate Change (INECC): Margarita Caso Chávez, María del Pilar Salazar Vargas, Aram Rodríguez de los Santos, and Carlos Matias Figueroa

This document will summarize the results in each one of its five lines of work that include the compilation of adaptation measures implemented in the country, methodologies for M&E of adaptation, a proposal for the economic analysis of adaptation measures, a proposal of an MRV of financing flows for adaptation and the monitoring of the National Atlas of Vulnerability to Climate Change (ANVCC).

Contact [Margarita Caso Chávez](#), [María del Pilar Salazar Vargas](#) and [Aram Rodríguez de los Santos](#) for more information.

Programs, projects, and initiatives

Global EbA Fund: Support for the Implementation and Upscaling of Ecosystem-based Adaptation

2020-2024

The UN Environment Programme (UNEP) and the International Union for Conservation of Nature (IUCN) are jointly launching the Global Fund for Ecosystem-based Adaptation [2020-2024], which aims to provide targeted and rapid support mechanisms through seed capital for innovative approaches to ecosystem-based adaptation.

Read more [here](#) and [here](#).

The measures funded by this programme will be supported by specific expertise- and capacity-building, while strengthening information, knowledge and political will for nature-based solutions to adaptation. To do so, IUCN and UNEP will draw on their extensive existing networks, tools and expertise, including Friends of Ecosystem-based Adaptation (FEBA), supported by IUCN, and the Global Adaptation Network, supported by UNEP.

Contact [Ali Raza Rizvi](#) and [Lis Bernhardt](#) for more information.

EbA and Forest Restoration in Vulnerable Rural Communities of the Caribbean Biological Corridor

2020-2028

Welthungerhilfe and OroVerde Tropical Forest Foundation, together with local partners in Cuba, the Dominican Republic and Haiti, are planning to launch a new eight-year, BMU-ICI funded programme on EbA and forest restoration in vulnerable rural communities of the Caribbean Biological Corridor. It aims at promoting EbA and improving livelihoods and resilience of people and ecosystems in rural communities. Planned activities include the development of local plans; implementation of restoration and conservation measures in degraded areas; support of farmers in using adapted production technologies and optimizing value chains of agricultural, agroforestry and silvopastoral systems; strengthening of local capacities and governance; strengthening networks and mainstreaming of EbA at different levels; and systematization of experiences as well as supporting the replication of measures by further actors.

Contact [Annelie Fincke](#) for more information. Exchange and potential synergies with projects, experts and networks working on similar topics and/or in the same region would be very welcome.

'Soil and Rain- Kaolack: Increasing the Resilience of Rural Senegalese Communities by Supporting Farmers Facing Climate Change'

2020-2022

This agroforestry project, in six villages in the Kaolack region of Senegal, counters soil erosion, associated with intensive farming practices. Key to the project is the enrichment of soil organic matter and soil porosity to improve agricultural yields. Local water retention will be improved by creating ponds to stock seasonal rainfall, vegetation barriers to prevent the drying effect of the Harmatan wind and soil erosion and increasing local moisture levels through tree evapotranspiration. In each one-hectare agroforestry island, 200 trees will be planted along their perimeter, with a further 100 trees distributed throughout the island. Protecting the agroforestry parcels with thorny hedging prevents the intrusion of livestock, and enables farmers to economise the cost of fencing their plots (2300 euros for a hectare square). Within three years, the agroforestry islands should create an 'oasis effect', retaining moisture locally. Four years after their planting, farmers will be able to harvest a tonne of firewood (c.f. *sennas siamea*), and a tonne of livestock fodder (c.f. *peltophorum pterocarpum*; *sennas siamea* leaves) in addition to food crops.

Direct Project Beneficiaries: 30 heads of farming families, 6 tree nursery employees, 6 village agroforestry committees, 1 researcher, 3 trained masons.

Contact [Marc Sylvestre](#) for more information.



Photo: APAF-Senegal

Building the Capacity of Rwanda’s Government to Advance the National Adaptation Planning

2020-2024

The project objective is to increase the capacity of governmental authorities and local communities in Rwanda to plan, fund, implement and monitor climate change adaptation solutions in the medium to long-term. A special emphasis will be placed on piloting EbA interventions.

Read more [here](#).

Contact [Mara Baviera](#) for more information.

Building resilience in coastal zones through ecosystem-based approaches to adaptation (EbA) in the Greater Maputo Area

2020-2025

The aim of the project is to use ecosystem-based approaches to reduce the vulnerability of the urban and peri-urban population of the Greater Maputo Area (GMA) to existing and future climate risks. These risks arise from changes in rainfall and temperature patterns (including agro-climate zones), as well as the increasing frequency and intensity of climate hazards such as droughts, floods, and cyclones.

Read more [here](#).

Contact [Eva Comba](#) for more information.

Ecosystem-based approaches to Adaptation (EbA) in the drought-prone Barind Tract and Haor Wetland Area, Bangladesh

2020-2024

The project is strengthening the technical and institutional capacity of policy- and decision-makers in Bangladesh to plan EbA. The nature-based approach will be used to conserve surface water in the Barind Tract and reduce erosion in the Haor area. By implementing these activities, the project will contribute to realizing the objectives of national plans for climate change adaptation, including the National Adaptation Programme of Action (NAPA 2009).

Read more [here](#).

Contact [Moon Shrestha](#) for more information.

Ecosystem-Based Adaptation for Climate-resilient Development in the Kathmandu Valley, Nepal

2020-2024

The overall objective of the project is to increase capacity of communities living in the Kathmandu Valley to adapt to the negative effects of climate change using EbA approaches. This will involve integrating EbA into development planning, as well as carrying out EbA activities to protect water supplies and soil stability.

Read more [here](#).

Contact [Moon Shrestha](#) for more information.