

FEBA

Friends of Ecosystem-based Adaptation

2019 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 60 government ministries and sub-agencies, UN bodies and conventions, NGOs, research centers, and other institutions make up the Friends of EbA. IUCN serves as the FEBA Secretariat. Visit www.iucn.org/feba to learn more. Have inputs for this newsletter? Send them to [Katherine Blackwood](#) 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).

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based on a decision of the German Bundestag

2018 in review

Events



Photo: GIZ / Global Project Mainstreaming EbA

EbA Valuations Training in Mexico

20 – 21 February 2018

“Valuing the Benefits, Costs and Impacts of EbA Measures” convened 20 practitioners and project planners for an interactive training in Mexico-City organized by GP Mainstreaming EbA and GIZ Mexico.

The core objectives centered on the identification of needs, opportunities and frameworks for EbA valuation, the selection of valuation methods and the delivery of decision-support.

Contact [Andrea Bender](#) for more information.

Scaling Up Mountain EbA Inception Workshop

20 – 21 April 2018, Lima, Peru

To help build support for EbA approaches in mountains, both on the ground and in national and international policy, The Mountain Institute (TMI) and the International Union for the Conservation of Nature (IUCN) have joined forces to launch the three-year program “Scaling up Mountain EbA, building evidence, replicating success and informing policy” working on EbA in key mountain regions, with the goal to expand EbA work started during the “Mountain EbA Flagship Programme” in the Himalayas (Nepal), Mount Elgon (Uganda) and the Andes (Peru) and to support the EbA approach being adopted in neighboring Bhutan, Kenya and Colombia. The inception workshop for the project held in Lima brought together project staff from all 6 countries. The project is supported by the German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU).

Contact [Katherine Blackwood](#) and [Erin Gleeson](#) for more information.



Photo: IUCN



Friends of EbA (FEBA) members’ meetings

4 May 2018 and 4 July 2018

FEBA meetings are an opportunity for members to share information about their own initiatives, brainstorm areas of collaboration, and plan FEBA outputs. FEBA meetings were held at both UNFCCC SBSTA 48 and CBS SBSTA 22.

Download the meeting reports: [4 May](#) | [4 July](#)
Contact [Katherine Blackwood](#) for more information.



Tenth anniversary celebration of IKI

5 May 2018

At this one-day conference, guests look back over 10 successful years of work carried out in the IKI's project portfolio. Between 2008 and the end of 2017, around 600 projects were launched in over 150 developing countries and emerging economies with a total volume of EUR 2.7 billion. Guests also discussed challenges and solutions in such areas as climate and forest protection, adaptation to climate change, and conservation of biological diversity over the coming years.

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

L-R. State Secretary Jochen Flasbarth (BMU), Vera Scholz (GIZ), Ned Helme (CEPP), Norbert Gorißen (BMU) and Dr. Anne Larigauderie (IPBES); Photo: Kornelia Danetzki/BMU

UNFCCC SBSTA 48 Side Event - 3rd EbA Knowledge Day "Moving from pilots to mainstreaming – opportunities and challenges of up-scaling Ecosystem-based Adaptation"

7 May 2018

The 3rd EbA Knowledge Day in Bonn brought together UN negotiators, policy makers, practitioners, researchers and donors working on issues relevant to climate adaptation, ecosystem management and human resilience. More than 60 members from 30 different organizations participated in the full day workshop. The 3rd EbA Knowledge Day was organized by GIZ and IUCN under the Friends of EbA (FEBA) Network.

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

Contact [Mathias Bertram](#) and [Katherine Blackwood](#) for more information.



Photo: GIZ / Global Project Mainstreaming EbA

3rd International EbA Community of Practice Workshop

11-14 June 2018

The 3rd Community of Practice Workshop in South Africa focused on the potential of diverse actors, motivations and settings for EbA mainstreaming and encouraged peer-to-peer learning about enabling governance structures.

The interactive workshop aimed to contribute to the following core objectives: Effective engagement with different actors to strengthen EbA (diversity of governance), ensuring effective and fair governance (quality of governance) and identifying successful political communication methods and marketing tools for EbA mainstreaming.

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



Photo: GIZ / Global Project Mainstreaming EbA

Restauración de Ecosistemas en el Marco de las NDC: Avances, oportunidades y su relación con el enfoque de Adaptación basada en Ecosistemas

Ecosystem Restoration within the NDC framework: Progress, opportunities and its relation with Ecosystem-based Adaptation
19-20 June 2018, Lima, Peru

The National Protected Area Service (SERNANP), the National Forest Service (SERFOR), the Ministry of Environment (MINAM), jointly with IUCN, The Mountain Institute (TMI) and GIZ (as part of three IKI-financed initiatives on EbA in Peru) organized this dialogue. As part of the work to achieve the Nationally Determined Contributions (NDC), the meeting aimed to create a space for dialogue and synergy among those responsible for ecosystem restoration initiatives within the NDC framework and other key actors that can contribute to its implementation. The link between restoration and the EbA approach was discussed, in order to recover ecosystems to help the population cope with climate change, which is one of Peru's commitments in the Paris Agreement. More information is available [here](#) and [here](#); photos are available [here](#).



Participants of the Dialogue © Ministry of Environment of Peru (MINAM)

Contact [Karen Podvin](#) and [Mirella Gallardo](#) for more information.

GIZ supported EbA Sessions at Adaptation Futures 2018: Introduction of the PANORAMA Solutions platform & discussion of policy entry points for EbA mainstreaming

20- 21 June 2018

The “PANORAMA – Solutions for a Healthy Planet partnership” initiative – presented by GIZ and IUCN – showed that inspiring and replicable solutions can be found everywhere on this planet. EbA solutions were highlighted as an effective reply to climate change risks, which deliver a multitude of benefits for societies, economies and the environment. Concrete examples were discussed among participants and presenters in order to learn from solutions that have worked, to avoid previous mistakes, adopt successful strategies and exchange knowledge on adaptation.

In another session on “Making the Case for Ecosystem based Adaptation”, The South African National Biodiversity Institute (SANBI) and GIZ facilitated a discussion among country representatives from Mexico and South Africa on their EbA-experiences and lessons learned. Promising political entry points and governance structures for mainstreaming and implementing EbA measures were debated. Thereby, the role of showcasing costs, benefits and impacts for EbA mainstreaming was assessed.

More information on Adaptation Futures is available [here](#), and workshop materials available [here](#) and [here](#)

Contact [Mathias Bertram](#) for more information.



Photos: GIZ / Global Project Mainstreaming EbA

Private Sector Workshop on Business & Ecosystem-based Adaptation in the Philippines

6 July 2018

Over 60 of the leading companies and banks in the Philippines came together in a workshop convened and led by Earth Security Group to jointly define and pursue forward-thinking opportunities to support ecosystem-based climate adaptation. The workshop was convened as part of ESG 2-year project funded by the International Climate Initiative of the German government, to mobilise new opportunities for business, policy and development leaders to deploy commercial capital in a way that delivers greater social and environmental resilience to climate change. ESG provided the analysis of possible solutions and has built a network of individuals and organisations in the Philippines committed to collaborate on cross-sector models. The workshop was co-convened with ESG's partners in the Philippines: the Philippine Business for the Environment (PBE) and the Asian Institute of Management (AIM). It was hosted by Aboitiz Group at their headquarters in Manila, with the strategic participation of the Climate Change Commission of the Philippines. The event underscored the important role that companies and investors in the Philippines have to play in strengthening natural capital and ecosystems – the last line of defence in the fight against to climate change. A set of action areas were identified by interested parties at the July event to support climate resilience investments in Ecosystem based Adaptation (EbA) going forward:

- 1) An Insurance Task Force to integrate the protective value of ecosystems into insurance pricing.
- 2) An EbA Innovation Lab to foment new business ideas for EbA amongst MBA students at AIM and link these concepts with leading businesses and their needs.
- 3) Sustainable Banking Engagement with the Central Bank and Banking Association to increase the awareness, capacity and requirements for banks in the Philippines to integrate climate-related laws into their lending policies.
- 4) A National Action Plan for EbA Investment to mandate payments for ecosystem services from companies and create fund-pooling mechanisms to co-invest the proceeds in conservation activities.

Read more [here](#).

At the workshop, participants committed to advancing the action areas and agreements were made in terms of the scope, coordination and envisioned outcomes to develop new platforms. This is work is now being taken forward in the final phase of the project, supporting local institutions to develop long-term partnerships and commitments to advance the action areas. ESG will reconvene the groups in January 2019 in order to progress their plans of action and identify priority messages to policy makers for scaling EbA in the Philippines.

Contact [Pablo Orvananos](#) for more information.





Women of the parish of Honorato Vásquez (Manabí – Ecuador) who participated in the implementation of the EbA measures © Sergio Garrido García

Closure event of the “Ecosystem-based Adaptation strategies to Climate Change Adaptation in Colombia and Ecuador” Regional Programme

11 July 2018, Manabí, Ecuador

More than 200 people participated [in this event](#), co-organized by the Ministry of Environment, GIZ, IUCN and the local partners, where the main results and lessons learned of the project were shared. During its two years of implementation, the project improved the resilience and adaptive capacity of the local populations in Honorato Vásquez and Membrillar (implementation sites) through the promotion of good practices in agrobiodiversity, sustainable management of goats, water conservation and sustainable management and ecotourism to respond to the main climate-related hazards such as drought and shorter and more intense rain patterns. In addition, the project generated knowledge and skills related to climate change risks and the responses that healthy ecosystems can provide to adapt to climate change and reduce the risks of disasters among community, public institutions and other civil society stakeholders in the province of Manabí. Finally, it positioned the relevance of the EbA approach among decision makers at both provincial and national levels

Contact [Aracely Salazar Antón](#) and [Karen Podvin](#) for more information.

Construyendo las bases para la implementación del Plan Nacional de Adaptación

15 August 2018

The meeting aimed to socialize the developments of the Climate Change Law Regulation, as well as design, in a participatory way the Adaptation Committee for the implementation of Honduras National Adaptation Plan.

[Read more](#) about the meeting.

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

Taller Nacional “Oportunidades y Retos para la Restauración a escala de Paisaje”

National Workshop “Opportunities and Challenges for Landscape-scale Restoration”

29 August 2018, Santiago de Chile

This event was jointly organized by the Ministries of Environment and Agriculture, and international organizations such as WRI, WWF-Chile, CATIE and IUCN. With the aim of recovering degraded ecosystems, and improving the social and economic conditions local populations, a participatory process started with this milestone to develop a National Plan for Landscape Restoration, in a joint effort between public and private organizations.

More information is available [here](#).

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



Participants of the National Workshop as a milestone for the beginning of the process of developing a National Restoration Plan

© Ministerio de Medio Ambiente de Chile (MMA)

Launch of the Ecosystem-based Adaptation guide in Colombia and the celebration of the 10 years of the approach
20 July 2018, Bogotá, Colombia



Photos: TNC

The event was organized by the Ministry of Environment and Sustainable Development (MADS), jointly with The Nature Conservancy (TNC), German Technical Cooperation (GIZ), World Wildlife Fund (WWF), Conservation International (CI), United Nations Development Program (UNDP), IUCN and its Commission on Ecosystem Management (CEM). More than 100 people participated in the event, which aimed at multiple territorial actors and the environmental and agricultural sector to exchange and strengthen the knowledge on EbA in the country. Ali Raza Rizvi, IUCN EbA Programme Manager, gave the keynote speech about the global progress and perspectives on EbA.



We had discussion panels related to climate change policy, presentation of sectors and territories regarding climate adaptation initiatives, and a fair of community experiences. Additionally, we held one-day field trip to Chingaza paramo with local communities from different EBA projects, to exchange experiences and lessons learned.

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



Participants of the event © IUCN South America

Contact [Ali Raza Rizvi](#), [Karen Podvin](#) and [Juanita Gonzalez](#) for more information.

**Global Climate Action Summit
Side Event: Working With Nature
to Build Resilience
11 September 2018**

FEBA members hosted the session "Working with Nature to Build Resilience" at the GCAS affiliated event, organized by the Stockholm Resilience Centre, BSR, ICF and the UN Climate Resilience Initiative (A2R) and hosted by PG&E.

Read more [here](#).

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



Photo: IUCN

Kick-starting field level implementation of EbA measures in Kapchorwa District, within the Mt. Elgon landscape

24-28 September 2018

These were five meetings which were organized at Sub County and Parish levels to kick start implementation of the EbA measures within the two micro-catchments (of Kaptokwoi- Atari as well as Sipi-Chebonet) in Sipi sub catchment, under the project "Scaling up Mountain EbA, building evidence, replicating success and informing policy". The project is implemented by IUCN in partnership with the Mountain Institute, and is funded by the Germany Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB). The meetings targeted a total of 326 participants (97 female and 229 male), including district and sub county technical officers, local council leaders and members of the micro catchment management committees for the two micro catchments. The meetings resulted in development of detailed plans for rolling out implementation of EbA measures at community level.

The workshop outcomes are available [here](#).

Implementation of the developed plans commenced in October and November 2018 and will continue throughout 2019. Review meetings will be held with some of the partners in June 2019.

Contact [Cotilda Nakyeeyune](#) for more information.



Photos by Cotilda Nakyeeyune, IUCN Uganda Country Office

Día del Conocimiento de AbE en Honduras

26 September 2018

In the context of the II National Congress on Climate Change, AVE Project celebrated an EbA Knowledge Day. There was an exchange of experiences of EbA implementation in the country. Opportunities and challenges were discussed.

Read more about the meeting via Twitter [here](#) and [here](#).

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

Día del Conocimiento de AbE en Guatemala

26 September 2018

The National Congress on Climate Change organized an Adaptation stream with interesting sessions. The AVE project had an amazing interactive meeting with the communities' members sharing the experiences among the public.

Read more about the meeting via Twitter [here](#).

2nd virtual EbA Training course in Peru “EbA and its integration into planning and development processes”

26 September – 27 November 2018

This virtual course, organized by the Government of Peru (Ministries of Environment, Finance and Agriculture) and supported by GIZ (ProAmbiente II, GP EbA Mainstreaming), The Mountain Institute, IUCN and Universidad la Molina, aimed at the strengthening of EbA application capacities for professionals and institutions involved in the agricultural and environmental sector at national, regional and local level. Over the course of nine weeks, the EbA approach as a strategy for climate change adaptation and risk management, and as an integral part of development planning was explored by 58 registered participants mainly from national and subnational government. The four partly interactive modules thereby analyzed the EbA contribution to the achievement of Peru's international climate commitments.

The course is available to registered users [here](#).

Contact [Mathias Bertram](#) for more information.

Virtual course “Ecosystem based Adaptation to Climate Change and its integration in planning and development”

26 September to 27 November 2018

The course was jointly organized with the Ministry of Environment of Peru (MINAM), the Ministry of Agriculture (MINAGRI), La Molina Agrarian University (UNALM), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), IUCN and The Mountain Institute (TMI) which took place in MINAM’s [APRENDE](#) platform. The course aimed to strengthen capacities of institutional representatives at national, regional and local level in Peru, to promote the integration and up-scaling of the EbA approach in the planning, financing and implementing development processes. Three IKI projects focused in EbA collaborated in this workshop (EbA Approaches, Scaling-up Mountain EbA; and Mainstreaming EbA).

View the course [here](#).

Contact [Florencia Zapata](#) and [Karen Podvin](#) for more information.

Possible implementation of the course in a third edition in Peru, and also potentially adapted and implemented in Colombia, Ecuador and Chile during 2019.



Canchayllo community in the Nor Yauyos Cochas Landscape Reserve © IUCN South America / Karen Podvin

Día del Conocimiento de AbE en Costa Rica

2 October 2018

The workshop gathered to reflect on the implementation of Costa Rica’s National Adaptation Policy through EbA actions in priority sectors.

[Read more](#) about the meeting.

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.



Día del Conocimiento de AbE en El Salvador

4 October 2018

Meeting among civil society and government officials to discuss and reflect on evidence and governance issues of EbA to enhance implementation of El Salvador's adaptation policies. The event organized a market of solutions in which local organizations implementing EbA participated actively.

[Read more about the meeting.](#)

Contact [Ronald McCarthy](#) for more information.

Chebonet River buffer demarcation

11-23 October 2018

In order to initiate the process for re-vegetating the riparian buffer for river Chebonet, an exercise of demarcating the river buffer was carried out to enable land owners identify the boundary between the river buffer and cropland. The demarcation exercise was preceded by sensitization meetings, which targeted households from nine hotspot villages where most degradation of the Chebonet riparian buffer occurs. River Chebonet is one of the main rivers within the Sipi-Chebonet micro catchment, part of the Sipi sub catchment in the Kyoga water management zone of Uganda. Riparian buffer re-vegetation is part of the micro catchment vegetation, for River bank protection EbA measure, which is being scaled up in the Sipi-Chebonet micro catchment under the project; "Scaling up Mountain EbA, building evidence, replicating success and informing policy".

[A report documenting the activities is available here.](#)

Follow up activities will include planting of trees and grass within the originally cultivated portions of the Chebonet riparian buffer in April 2019.

Contact [Cotilda Nakyeyune](#) for more information.



Photos by Joseph Odongo Oloo, IUCN Uganda Country Office

National dialogue on resilience and COP 24 consultation Workshop, Kampala Uganda

20-21 November 2018

IUCN in collaboration with the Climate Change Department of the Ministry of Water and Environment and other key Climate Action Network Uganda convened a two day dialogue on Climate Resilience and COP 24, to reflect on the state of climate resilience and the national level and prepare for COP 24. The dialogue was convened at Royal Suites Hotel, in Kampala and attracted 149 participants (45 female and 104 male), representing Government Ministries, Agencies and Departments (MDAs), lead negotiators on Finance, technology, adaptation and mitigation, Civil Society Organizations (CSOs), Academia, Privates Sector, media and development partners. IUCN used the EbA effectiveness project to partner in the convening of the dialogue and presented on Ecosystem based Adaptation as an approach for resilience using the lessons learnt during the EBA effectiveness project implementation in Mt. Elgon landscape. As a result, a CSO position paper was prepared with key recommendations and a common position for Uganda to take to COP24. One of the key milestones adopted from the presentation was the recognition of Ecosystem based Adaptation and rights based Approaches as key components for inclusion in Climate Change Bill, with a call to Government to expedite the process of passing the bill into law.

[A report documenting the workshop outcomes is available here.](#)

There is a planned Post COP24 Workshop planned in March 2018 to report on the outcomes of COP24 and other emerging issues whilst highlighting implications of the outcome to Uganda. Additionally, the workshop is expected to reflect and report back to the Government on progress of the earmarked priorities so as to draw a road map for COP25.

Contact [Evelyne Busingye](#) for more information.

Raising indigenous tree seedlings for Agroforestry in the Atari-Kaptokwoi micro catchment

20 November – 8 December 2018

This was a community level training, which was aimed at equipping communities with skills of raising their own indigenous tree seedlings within nurseries. The training which culminated into the actual establishment of five community tree nurseries, was carried as a way of improving ownership, management and survival of the tree seedlings in the field. This was in response to the challenge of poor survival of the trees which had been planted during the flagship EbA project (2010-2015) in the same micro catchment. The seedlings will be planted in April 2019, as part of implementation of the agroforestry EbA measure, under the project “Scaling up Mountain EbA, building evidence, replicating success and informing policy”.

Read the report [here](#).

Follow up trainings and activities on nursery practices are planned for February – April 2019, until the seedlings are planted out.

Contact [Cotilda Nakyeyune](#) for more information.

Rapid Participatory Assessment for Climate Change Vulnerability in the Chepkitale National Reserve, Mt. Elgon, Kenya

20 – 22 November 2018

As part of implementation of the project “Scaling up Mountain EbA, building evidence, replicating success and informing policy”, a rapid vulnerability assessment was carried out in Chepkitale National Reserve with the local communities (Ogiek people). The assessment provided the following recommendations as indicative activities that can be undertaken to enhance the resilience of Chepkitale and its people:

Short-term measures: 1] protecting and stabilizing springs which are closer to the villages to improve access to clean water (health benefits) and make the most efficient use of the water (resilience); 2] spatial planning to support the future sustainability of Chepkitale Conservancy. Spatial planning could be built up from having participatory maps for all the Chepkitale villages – initial maps were undertaken for the 3 villages during the rapid vulnerability assessment undertaken in December 2018. Community members from these villages want to have detailed action plans for each village as the way forward to resolve challenges and be part of a larger single spatial land use plan. This will demonstrate that the Ogiek people in Chepkitale have a strong support for sustainable land management and conservation, and demonstrate that they have the necessary structures in place to manage their lands including the Chepkitale Ogiek Community By-laws.

Long term measures: 1] establishing gravity fed water systems from perennial rivers to ensure access to clean water in the villages; 2] tree restoration (e.g. by schools, individuals, churches) using indigenous trees – filling the gaps in the forest where trees have fallen to sustain and increase the tree cover; 3] remove the unpalatable manyatta grass (*Eleusine jaegeri*) as part of a process of enriching the pasture with good grazing species; and 4] enhancing economic activities such as milk and honey including value chain and eco-tourism opportunities.

Contact [John Owino](#) for more information.



Photos: IUCN ESARO 2018

IV Seminario Nacional de Restauración: “Caminando hacia un Plan Nacional de Restauración”

IV National Restoration Seminar “Walking towards a National Restoration Plan”

21-23 November 2018, Concepción, Chile

As part of the policy advocacy and capacity building efforts, IUCN as part of the *Ecosystem-based approaches to adaptation-strengthening the evidence and informing policy* project has been supporting the integration of EbA in the national restoration efforts. In this regard, the Project supported the development of this seminar as a milestone in the process of building a national landscape restoration plan. The Chilean restoration network, the National Forest Institute, the Regional Secretariat of the Ministry of Environment in Biobío, in collaboration with IUCN and the University of Concepción, organized the event. IUCN team participated in several spaces, presenting about Nature-based Solutions, landscape restoration and Ecosystem based Adaptation.

Read more [here](#).

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



Participants of the IV National Restoration Seminar (Concepción-Chile) © Red Chilena de Restauración Ecológica



Photo: Lanalhue Lake in the Biobio region in Chile, where the lake restoration project is taking place © IUCN South America / Karen Podvin

Seminario Internacional del Programa PRELA: del conocimiento a la restauración de los ecosistemas acuáticos, *Trafquntun kimun*

International Seminar of the PRELA programme: from knowledge to restoration of the lake ecosystems in the province of Arauco

27 November 2018, Contulmo, Chile

This event was carried out as part of the Recovery Program of the Environmental Services of the Ecosystems of the Province of Arauco (PRELA) and its Land Management and Management Plan for the Lake Lanalhue basin. The Project supported sharing tools and experiences on landscape governance, nature-based solutions and EbA to enhance the restoration efforts taking place in the Arauco province, which is part of the Biobío region.

More information is available [here](#).

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

Webinar: La Adaptación Basada en Ecosistemas y el Bienestar Humano en Mesoamérica

29 November 2018

The webinar reflected on the role of EbA for human wellbeing in Mesoamerica, based on pilot cases of AVE Project, as well as on policy, legal and institutional issues relating to EbA.

More information is available [here](#). Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

CBD COP 14 Side Event – Theme Day “Nature-based Solutions for Climate Change” and 4th EbA Knowledge Day

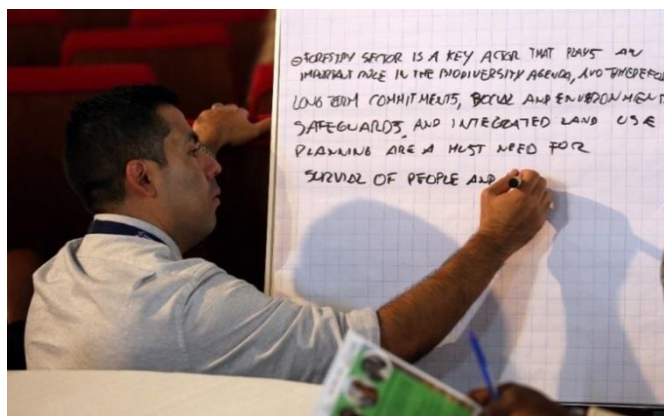
26 November 2018

The Nature-based Solutions (NbS) day in Sharm El-Sheikh was co-organized by SwedBio, Friends of Ecosystem-based Adaptation (FEBA), Die Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), International Union for the Conservation of Nature (IUCN) and The Partnership for Environment and Disaster Risk Reduction (PEDRR). The day started with a discussion on the effective design and implementation of EbA and Eco-DRR. Exploring the links between biodiversity and climate change, the role of conservation and restoration of ecosystems for climate change mitigation and adaptation was highlighted. This first session was based on information contained in the voluntary guidelines on ecosystem-based approaches and associated briefs on sectoral integration.

The second part of the day continued with the 4th EbA Knowledge Day convened under the theme of ‘Biodiversity conservation and infrastructure development.’ The event included presentations, panel discussions and a market place showcasing practical examples of nature-based solutions and possibilities to better align these to engineering-based solutions for disaster and climate resilience. Participants learnt from current approaches, opportunities and challenges for aligning biodiversity conservation with infrastructure development in the context of climate change adaptation and disaster risk reduction both at policy and implementation level.

[Read more](#) and [view the outcome document here](#). [Read the summary and workshop report](#).

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



Photos: IISD/ENB | Mike Muzurakis

CBD COP 14: Rio Conventions Pavilion - Sustainable Infrastructure Day

26 November 2018

Exploring the role of sustainable infrastructure, including ecosystem-based solutions, in linking major themes and targets of CBD, UNFCCC and other conventions. (The Nature Conservancy, WWF). Sustainable Infrastructure Day set the scene for two weeks of discussion and debate on the fundamental importance of mainstreaming biodiversity into our development processes. Thematic sessions over the course of the day built a comprehensive picture of the role sustainable infrastructure plays in linking major themes and targets of the CBD as well as UNFCCC, UNCCD and other conventions. The sessions also provided opportunities to support the CBD’s mainstreaming agenda by exploring the necessary policy steps to ensure that biodiversity is fully incorporated and protected in infrastructure finance and development globally.

[Read more about the meeting here](#) and [view the agenda and program here](#). [Watch the video](#).

Contact [Linda Krueger](#) (TNC) and [Kate Newman](#) (WWF) for more information.

CBD COP 14: Rio Conventions Pavilion - Integrating climate change and biodiversity in national level policy

26 November 2018

Panel and break-out sessions to highlight a range of experiences with ecosystem-based adaptation (EbA) policy making, as well as lessons learned from implementing EbA projects and related nature-based approaches.

[Read more about the meeting](#).

Contact [Tristan Tyrrell](#) (SwedBio/SRC) for more information.

CBD COP 14: Rio Conventions Pavilion - Nature-based Solutions for Climate Change

26 November 2018

Highlighting ecosystem-based approaches and other nature-based solutions to adapt to climate change across sectors, and discussing ways to implement the Voluntary Guidelines for the design and effective implementation of ecosystem-based approaches to climate change adaptation (EbA) and disaster risk reduction (Eco-DRR).

[Read more about the meeting here](#) and [here](#). Contact [Annie Cung](#) and [Veronica Lo](#) for more information.



Photo: GIZ/ Miadana Hanitriniaina Markolf Rakotonirina

Global Landscapes Forum Side-Event “PANORAMA – Solutions for a Healthy Planet: Connecting for impact: Promoting local success stories to inform global policy targets”

2 December 2018

This side event introduced the PANORAMA initiative with a focus on the Ecosystem-based adaptation (led by GIZ) and Agriculture and biodiversity (co-led by GIZ, Rare and IFOAM-Organics International) thematic communities. Examples of relevant solutions from around the world were introduced, with a number of “solution providers” being present in person. One such participant was Julien Noël Rakotoarisoa, who displayed an approach from Madagascar combining EbA and Forest Landscape Restoration (FLR). Further improvements and cooperation options for PANORAMA were explored interactively in the second part of the session.

More information is available [here](#).

Contact [Mathias Bertram](#) for more information.

UNFCCC COP24: EbA/Eco-DRR at the Rio Conventions Pavilion 6 – 8 December 2018

At the Rio Conventions Pavilion at CBD COP14 in Sharm El Sheikh, Egypt, participants at the “Nature- based Solutions for Climate Change” thematic day concluded that: “*Without investing in biodiversity, climate goals cannot be achieved. We have to move from “building in nature” to “building with nature.”*” The session “[Building on Synergies of the Rio Conventions to Implement Nature-based Solutions for Climate Change](#)” in Katowice further explored the theme of ecosystem-based adaptation with a focus on how synergies can be achieved for the climate, biodiversity, and sustainable development agendas by implementing ecosystem-based approaches. Presenters included representatives from BirdLife International, IUCN, WWF, UNEP-WCMC, CBD, GEF and GIZ (invited). The adoption of the voluntary guidelines on EbA and Eco-DRR at CBD COP14 was also announced.

The mitigation aspect of ecosystem-based approaches was also emphasized in Katowice, with a focused event on the [joint MEAs peatlands declaration/restoration](#) convened by Wetlands International and the Ramsar Convention.

WWF and GIZ convened a session “[Nature-based approaches for Climate-Resilient Infrastructure](#)” exploring the contribution of nature-based solutions to meet future infrastructure needs.

Read more [here](#) and watch the wrap-up [video](#).

Contact [Annie Cung](#) and [Veronica Lo](#) for more information on EbA.

Contact [Tatiana Minayeva](#) for more information regarding peatlands.

Contact [Kate Newman](#) for more information regarding infrastructure.



Building on Synergies of the Rio Conventions to Implement Nature-Based Solutions for Climate Change and Sustainable Development Panel. L-R: Christian Hofer, GEF; Veronica Lo, CBD; Harisoa Rakontondrazafy, WWF Madagascar; Ashton Berry, BirdLife; Valerie Kapos, UNEP-WCMC; Ali Raza Rizvi, IUCN
Credit: Danitez/GEF



Friends of EbA (FEBA) members’ meeting

7 December 2018

Biannual meeting, co-hosted by NWP and IUCN

20 participants, representing 14 FEBA member institutions, attended this FEBA meeting, including representatives from the IUCN, TNC, Rare, IIED, Conservation International, ZUG/BMU, UFZ, the National Institute of Ecology and Climate Change, Mexico. After a round of updates and introductions from all members and an update from Ali Raza Rizvi from the FEBA secretariat, the discussion centered on scaling up the use of private finance for EbA, and the status of current FEBA working groups including on M&E priorities for EbA, green-grey infrastructure and hybrid approaches, anonymous sharing of bad practices (and ideas for how not to reproduce them) as well as good practices, communicating EbA to non-traditional partners “beyond the green”, how EbA addresses SDGs, and others.

Download the meeting documentation [here](#).

Contact [Katherine Blackwood](#) for more information.

UNFCCC COP24 Side Event: Building on Synergies of the Rio Conventions to Implement Nature-based Solutions for Climate Change

8 December 2018

This session explored the theme of ecosystem-based adaptation with a focus on how synergies can be achieved for the climate, biodiversity, and sustainable development agendas by implementing ecosystem-based approaches. Ali Raza Rizvi provided opening remarks for the session focused on the EbA Journey: Where we are & where we want to be. Ali also sat on a high-level panel discussion moderated by the GEF with additional speakers including WWF Africa, the CBD Secretariat, BirdLife International, and UNEP-WCMC. Presentations included experiences with climate-smart conservation as an adaptation solution in Africa, tools & guidance including the CBD Voluntary Guidelines on EbA & Eco-DRR, identifying synergies and next steps, and opportunities and challenges in scaling up nature-based solutions.

Contact [Katherine Blackwood](#) for more information.

UNFCCC COP24 Side Event: Linking science, practice, and policy: how can we scale up ecosystem-based approaches to development and climate change adaptation?

9 December 2018

16th Development & Climate Days at COP24

This session co-organized by IIED, IUCN, UNEP-WCMC, and NYDF Assessment Partners, focused on the increasing evidence from across the globe that ecosystem-based approaches to development and climate change adaptation can help reduce people’s vulnerability to a range of climate change impacts, development risks, and provide significant benefits for biodiversity and people. Panelists including from IIED, the Adaptation Consortium, Climate Focus, the Ministry of Forests and Environment, Nepal, UNEP-WCMC, and the South African Institute of International Affairs shared experiences to inform how we can maximize the uptake of evidence from research into development and climate change policymaking and implementation, how we can leverage finance at scale to support ecosystem-based approaches, and what existing tools, evidence, and experiences teach us about ways to integrated ecosystem-based approaches into complex social, cultural, and political-economic systems.

Contact [Katherine Blackwood](#) for more information.

UNFCCC COP24: “Rural-Urban Linkages to advance Integrated Territorial Development”: Guiding Principles and Framework for Action

12 December 2018

Event organized by 3 ideas Ltd., with the aim of reflecting on the Guiding Principles and Framework for Action for Integrated Territorial Development. At this event EbA opportunities for integrated territorial development were also discussed.

More information is available [here](#).

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

Ten Years of Ecosystem-based Adaptation: Recognising Champion Governments and Effective Approaches

13 December 2018

High-level FEBA reception at the Government of Japan Pavilion

IUCN and CEM convened a high-level panel to mark the tenth anniversary of the concept and definition of EbA. The Minister of Environment Japan, Yoshiaki Harada, opened the event, followed by statements from BMU IKI. IUCN Vice President and Adviser to the Prime Minister on Climate Change from Pakistan, Malik Amin Aslam, chaired the panel session, comprised of Lina Pohl, Minister of Environment and Natural Resources, El Salvador; Ronald Jumeau, Permanent Ambassador to the UN, Ministry of Foreign Affairs, Seychelles; Silvia Zuñiga, Climate Change Direction, Ministry of Environment and Natural Resources, Guatemala; and Ruth Ihren, Nature Conservation and Sustainable Use of Natural Resources, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany. The speakers shared how in each of their countries, EbA is being mainstreamed through partnerships and initiatives such as El Salvador's advocacy for the International Decade for Ecosystem Restoration 2021-2030, El Salvador's National Council for its Restoration Program, Pakistan's Billion Tree Tsunami initiative, and Seychelles' successes in private sector uptake of EbA, etc.

Contact [Katherine Blackwood](#) for more information.

Adaptación basada al Cambio Climático basada en Ecosistemas y su integración en la planificación y desarrollo” Workshop “Ecosystem based Adaptation to Climate Change and its integration in planning and development 13-14 December 2018 in Lima, Peru

The workshop organized by the Ministry of Environment, Ministry of Agriculture, with the technical support of the Ministry of Economy and Finance, in collaboration with TMI, IUCN and GIZ (as part of three IKI financed EbA projects in Peru) supported the development of a workshop to strengthen the knowledge and tools gathered during the virtual course on EbA.

Photos of the workshop are available [here](#) and [here](#).

Contact [Mirella Gallardo](#) and [Karen Podvin](#) for more information.



Participants of the Workshop on EbA © Ministry of environment of Peru (MINAM)

Publications and communications

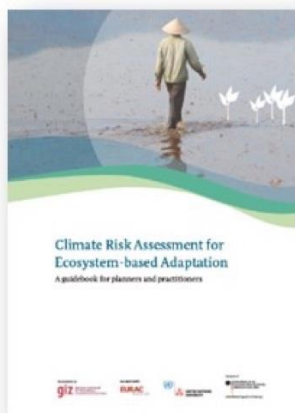
Voluntary guidelines for the design and effective implementation of ecosystem-based approaches to climate change adaptation and disaster risk reduction

By CBD Secretariat

The Conference of the Parties to the Convention on Biological Diversity (CBD), at its fourteenth meeting, in November 2018, adopted voluntary guidelines for the design and effective implementation of ecosystem-based approaches to climate change adaptation and disaster risk reduction (in Annex of Decision 14/5). The Guidelines build on the progressive work on ecosystem-based approaches to climate change adaptation and disaster risk reduction in recent years, including existing guidelines, frameworks and principles spanning the adaptation, disaster risk reduction, conservation, development and humanitarian fields. The Guidelines were developed in consultation with experts from Governments, academia, indigenous peoples and local communities, non-governmental and inter-governmental organizations. In addition to the Guidelines, a [supplementary note](#) was produced, containing a primer for policymakers and briefs on outreach into sectors.

The note will be made available in early 2019 at: <https://www.cbd.int/climate>.

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



Climate Risk Assessment for Ecosystem-based Adaptation – a guidebook for planners and practitioners

By Michael Hagenlocher, Stefan Schneiderbauer, Zita Sebesvari, Mathias Bertram, Kathrin Renner, Fabrice Renaud, Helen Wiley, and Marc Zebisch

A guidebook developed by GIZ in collaboration with Eurac Research and United Nations University (UNU) helps planners and practitioners in designing and implementing climate risk assessments in the context of EbA projects. 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'.

[Download the publication.](#) Contact [Mathias Bertram](#) for more information.

Finance options and instruments for Ecosystem-based Adaptation (EbA): Overview and compilation of ten examples

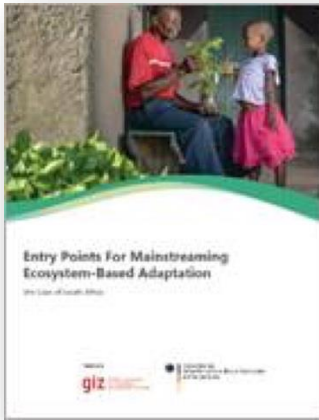
By Kiran Hunzai, Thiago Chagas, Lieke't Gilde, Tobias Hunzai, and Nicole Krämer

This new report developed by GIZ provides an overview of available financing sources to implement and maintain EbA measures. It highlights ten examples with the aim to provide a learning experience for actors interested in exploring different ways to access resources and engagement models for EbA financing.

[Download the publication.](#)

Contact [Andrea Bender](#) for more information.





Entry points for Mainstreaming Ecosystem-based Adaptation, the cases of Mexico, Peru, Philippines, South Africa and Viet Nam

by Dr. Tony Knowles, Christy Bragg (SA), Emma Ruth Ramos (PH), Lili Ilieva, PhD (Peru), and Alejandra Calzada Vázquez Vela (Mexico)

A new series of case studies developed by GIZ in five countries summarizes promising policy entry points and governance structures for EbA mainstreaming at policy and practitioner level. Up to five examples for each country illustrate the diversity of initiatives that support the mainstreaming of EbA, including existing barriers. The studies also provide further opportunities and recommendations on how to strengthen EbA in policy and practice in the long run.

[Download the publication](#)

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

Video “Soluciones basadas en la Naturaleza”

By IUCN Regional Office for South America

Nature-based Solutions (NbS) are defined by IUCN as “actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits”. This video shows the main concepts and approaches within Nature based Solutions, being promoted globally and in South America, including Landscape Restoration, Ecosystem based Adaptation and Natural Water Infrastructure.

[View the video.](#)

Contact [James McBreen](#) for more information.



Local researcher - EbA measures in the Nor Yauyos Cochas Landscape Reserve © The Mountain Institute / Anelí Gómez

Ecosystem-based approaches to adaptation: strengthening the evidence and informing policy. Research results from the Mountain EbA Project, Peru

By Hannah Reid, Karen Podvin, and Elmer Segura

Ecosystem-based adaptation (EbA) is the use of biodiversity and ecosystem services as part of an overall strategy to help people to adapt to the adverse effects of climate change and promote sustainable development. This report presents the results of using our Framework for Assessing EbA Effectiveness at the Mountain EbA Project, Peru. The findings will be combined with those from 12 other sites in 11 other countries to help show climate change policymakers when and why EbA is effective.

[Download the report](#)

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

Six things you need to know to build community ownership and make EbA initiatives successful and beneficial

By Dr. Sam Kanyamibwa

The Community-Based Organisations (CBOs) play an important and relevant role in ensuring effective ecosystem-based adaptation. This case study provides principles to follow to build community ownership for EbA initiatives as well as other community initiatives.

[Download the publication.](#)

Contact [Gilbert Muvunankiko](#) for more information.

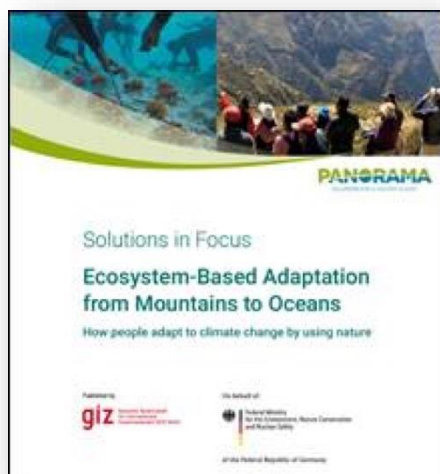
Community Managed Tree nurseries proven to be effective for Forest Landscape Restoration

By Gilbert Muvunankiko

Trees play a great role in the well-being of people as they provide oxygen, and in the environment by stabilizing the soil and reducing erosion and pollution and effects of flooding downstream. Trees provide food, protection, and homes for many animals. Local communities occupy the center of restoration initiatives, therefore empowering community to produce and plant trees to restore their land is crucial for a successful restoration. This case study/article presents the lessons learnt by the Albertine Rift Conservation Society (ARCOS Network) throughout its road to resilience with its partner community groups.

[Download the publication.](#)

Contact [Gilbert Muvunankiko](#) for more information.



Solution in Focus – Ecosystem-Based Adaptation from Mountains to Oceans

By Mathias Bertram & Isabel Renner (Editors)

Ecosystem-based Adaptation is a topic of global relevance that is implemented successfully in a broad range of countries and ecosystems. A new publication developed by GIZ under the PANORAMA initiative illustrates the diversity of EbA in practice - 'from mountains to oceans' - that can be found online at the [PANORAMA — Solutions for a Healthy Planet platform](#). A selection of 30 applied EbA measures (solutions) intends to inspire policy and decision makers as well as project developers, showing that EbA has 'many faces' and is being implemented successfully by a broad range of actors and organizations.

[Download the publication](#)

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

ARCOS' Nature Based Village (NBV) Model: a good model for the sustainability of EbA initiative at local level

By Dr. Sam Kanyamibwa, Brigitte Kanyamugenge and Gilbert Muvunankiko

ARCOS defines an NBV as a geographically defined small administrative unit where efforts in integrating environmental resilience and socio-economic development initiatives are concentrated to serve afterwards as model of transformational change toward sustainable environment and livelihoods. This model can be also effective for a sustainable EBA initiatives at local level. The model is driven by a strong partnership and collaboration between the communities, local government and ARCOS as well as other interested partners.

[Download the publication.](#)

Contact [Gilbert Muvunankiko](#) for more information.

ARCOS and Community Partners: Road to Resilience, edition 2018

By Dr. Sam Kanyamibwa, Brigitte Kanyamugenge and Gilbert Muvunankiko

ARCOS' local interventions for climate resilience and sustainable development focuses on building foundation for long-term success. The integrated approach (named BEST Approach) is built on community partnership, mind-setting and ownership of interventions, cemented by a Sustainability Agreement involving communities, local government and ARCOS Network, and supported by an integrated training package, based on four pillars of BEST Approach (Building leadership and sustainable institutions, Enhancing environmental resilience, Sustainable business solutions and Transformation and inspiring others).

[Download the publication.](#)

Contact [Gilbert Muvunankiko](#) for more information.

Video: Experiences of implementing EbA in Uganda

By IIED

During the 11th Community Based Adaptation conference held in Kampala (26-29th June 2017), key stakeholders that were engaged in implementing Ecosystem based Adaptation project (2010-2015) within Mt Elgon shared their experience, key lessons and recommendations. In the video Mr. Hussein Matanda, the Chairperson of Mt Elgon Stakeholders Forum, discusses why EbA is important for Uganda.

[View the video.](#)

Contact [Evelyne Busingye](#) (IUCN) for more information.

A Framework for Assessing the Effectiveness of Ecosystem-Based in Approaches to Adaptation

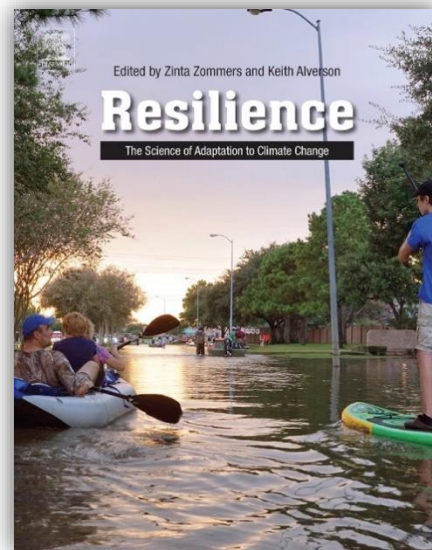
Chapter in Zommers, Z. and Alverson, K. 2018. *Resilience: The Science of Adaptation to Climate Change*

By Reid, H., Bourne, A., Muller. H., Podvin, K., Scorgie, S., Orindi, V.

This chapter describes work aimed at addressing two challenges of wide implementation and finance of EbA, including the evidence base for the effectiveness of EbA, and the issues around governance. It describes a framework for assessing EbA effectiveness that was recently developed as part of the “Ecosystem-based approaches to adaptation: strengthening the evidence and informing policy” project and emerging observations from framework application in selected countries.

The book is available for purchase [here](#).

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



Ecosystem-based approaches to adaptation: strengthening the evidence and informing policy

Project managed by IIED, IUCN and UNEP-WCMC

All thirteen country case studies are now available online (see below for links). We are now working on consolidating research results to bolster evidence on EbA.

Short policy briefing papers have been written for [Uganda](#), [China](#), [Nepal](#), [Bangladesh](#) and [Kenya](#).

The project [website](#) has links to policy engagement activities our in-country partners have been involved with over the last year.

UNEP-WCMC have collected and catalogued over 250 EbA tools and launched a navigator to help practitioners and policymakers identify appropriate tools for incorporating EbA into their climate adaptation plans. We'd love your feedback on

this: <https://www.iied.org/help-pilot-navigator-tools-for-ecosystem-based-adaptation>

View the case studies:

[South Africa](#)

[Kenya](#)

[Bangladesh](#)

[China](#)

[Peru \(Andes\)](#)

[Peru \(IUCN\)](#)

[Chile](#)

[Nepal](#)

[Uganda](#)

[Burkina Faso](#)

[Costa Rica](#)

[El Salvador](#)

[Senegal](#)

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

Supporting Implementation of Catchment Management Measures in Sipi-Sub Catchment (Kapchorwa and Bulambuli Districts), Awoja catchment, Kyoga Water Management zone

By Ministry of Water and Environment, Uganda

This is a report of the assessment of the vulnerability, as well as environmental, social and economic baselines for the Sipi sub catchment within the Mount Elgon ecosystem. The assessment was carried out to inform the implementation of catchment measures, as part of the “Sipi Integrated Water Resources Management and Development Project” by the Ministry of Water and Environment, as well as the “Scaling up Mountain EbA, building evidence, replicating success and informing policy” by IUCN and The Mountain Institute (TMI). The assessment was carried out with reference to the EbA approach focusing on IUCN’s coastal-context VA framework, covering Kapchorwa and Bulambuli districts. The main objectives of this assessment were to: conduct a Vulnerability Assessment (VA) within the Sipi sub catchment of the Mt. Elgon ecosystem to better understand the cause/effect relationships behind climate change and its impact on people, economic sectors and socio-ecological systems particularly focusing on EbA and non-EbA sites; determine, document and develop baseline indicators and an M&E Framework for measuring socio-economic parameters, environmental conditions, ecosystem service provision and impacts of continuing and the yet-to-be-established measures on ecosystems and/or ecosystem service provision in the EbA and non-EbA sites in Sipi sub-catchment.

[Download the report.](#)

Contact [James Omoding](#) (IUCN) for more information.



Nor Yauyos Cochas Landscape Reserve (Peru) @ IUCN South America / Karen Podvin

Adopting nature-based solutions for flood risk reduction in Latin America

By Ilieva, I., McQuistan, C., van Breda, A., Rodriguez, A., Guevara, O., Cordero, D., Podvin, K., Renaud, F.

Practical Action Latin America, as part of the Zurich Flood Resilience Program, sought to collect evidence of examples using nature-based solutions for flood risk reduction in Latin America and convenes a platform for regional knowledge exchange and learning. This working document is a collaborative effort between WWF, IUCN and Practical Action as a result of the Latin America Regional Workshop entitled “Towards nature-based solutions: Green infrastructure for flood risk reduction”, that took place on 11-12 December 2017 in Lima, Peru. Based on the experiences presented at the workshop and the discussions held around them, this document provides key messages on the opportunities that nature-based solutions provide to address flood risk. It advocates for the need of adaptive governance as well as collaborative work to address flood-related challenges through responsible ecosystem management. In addition, the document seeks to facilitate knowledge generation and uptake at a regional scale to strengthen regional, national and local flood resilience.

[Download the publication.](#)

Contact [David Lau](#) (Soluciones Prácticas – Perú) and [Karen Podvin](#) (IUCN) for more information.



© IUCN South America / Marcelo Vildósola Garrigó

Ecosystem-based approaches to adaptation: strengthening the evidence and informing policy. Research results from the Ecosystems Protecting Infrastructure and Communities project, Chile

By Hannah Reid and Karen Podvin

This report presents the results of using our Framework for Assessing EbA Effectiveness in the Ecosystem Protecting Infrastructure and Communities project in Chile. The findings will be combined with those from 12 other sites in 11 other countries to help show climate change policymakers when and why EbA is effective.

[Download the report.](#)

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

Programa de Desarrollo de Capacidades sobre Adaptación basada en Ecosistemas Manabí sAbE

By Ministry of Environment of Ecuador (MAE), IUCN and GIZ.

This is a comprehensive Capacity development programme on Ecosystem based Adaptation, focused on three target groups: school teachers, community leaders, and representatives from public institutions, NGOs and universities. It covers 4 themes: 1) Biodiversity, ecosystems and ecosystem services; 2) Climate, climate change and adaptation; 3) EbA measures; e 4) EbA Integration in plans and strategies. The package of publications for each target group (18 documents in total), include a module –concepts, readings, exercises and evaluations– and a manual –with diverse dynamics to strengthen the learning process.

The reports are available to download [here](#).

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



Participants of the Capacity Building Programme on EbA (Manabí-Ecuador) © Sergio Garrido García

Buenas prácticas para sistemas agrobiodiversos con enfoque de Adaptación basada en Ecosistemas (AbE)

By Ministry of Environment of Ecuador (MAE), IUCN and GIZ.

This booklet is aimed as working tool for farmers and all the people interested in implementing Ecosystem-based Adaptation practices. It seeks to demonstrate the existing interactions in the territory, so that all the interventions that are carried out at the farm level have a positive impact on the ecosystem and determine its functioning, as well as identifying the roles of the farming families in making decisions and level of organization community. The practices include soil conservation, incorporation of perennial species, conservation of agrobiodiversity, as major components of agricultural systems, due to the role they play in the maintaining ecosystem functions and, therefore, in reducing the vulnerability of families.

Download the booklet [here](#).

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



Farmer of the parish of Membrillar (Manabí – Ecuador, participating in the implementation of the EbA measures © Sergio Garrido García



Valle de Las Trancas, Reserva de Biósfera Corredor Biológico Nevados del Chillan – Laguna del Laja © IUCN América del Sur / Marcelo Vildósola Garrigó

Assessing the interaction between mountain forests and snow avalanches at Nevados de Chillán, Chile and its implications for ecosystem-based disaster risk reduction

by Alejandro Casteller, Thomas Häfelfinger, Erika Cortés Donoso, Karen Podvin, Dominik Kulakowski, and Peter Bebi

Research article as part of the work developed within Ecosystems Protecting Ecosystems and Communities project. With a combination of methods, the dynamics of natural hazards with a focus on snow avalanches at Valle Las Trancas, in the Biobío region in Chile were evaluated. The results show that local Nothofagus broadleaf forests contribute to a reduction of avalanche runout distances as well as impact pressure on present infrastructure, thus constituting a valuable ecosystem disaster risk reduction measure that can substitute or complement other traditional measures such as snow sheds.

The publication is available for download [here](#).

Contact [Alejandro Casteller](#) or [Karen Podvin](#) for more information.

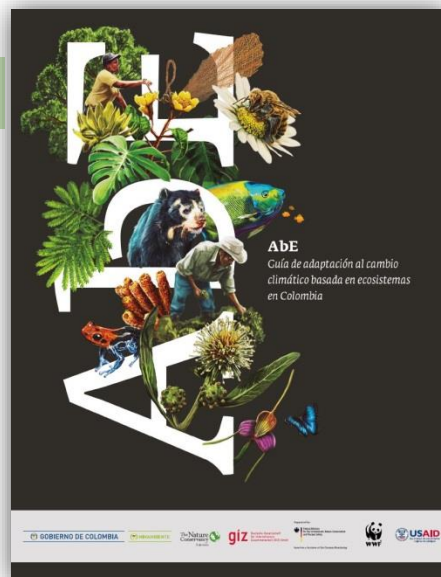
Guide on Ecosystem-based Adaptation (EBA) in Colombia

By Ministry of Environment and Sustainable Development, TNC, GIZ, WWF

This guide seeks to position the importance of ecosystems and their services to increase resilience to climate variability and change. The document explains how decision makers can incorporate the EBA approach in projects formulation, as well as in their management or planning.

Download the guide [here](#) and [here](#).

Contact [Juanita Gonzalez](#) (TNC) for more information.



Sixth National Communication to the UNFCCC

By National Institute of Ecology and Climate Change (INECC) – Secretariat of Environment and Natural Resources (SEMARNAT).

The Sixth Communication presents the mitigation and adaptation measures that have been implemented in the country since the submission of the Fifth Communication in 2012 and the First Biennial Update Report in 2015. It includes: national circumstances and institutional arrangements; National GHG Inventory Report; policies and measures related to mitigation; climate change economics and green growth; vulnerability and adaptation to climate change (climate change detection; studies of potential impacts in different sectors; a conceptual framework for adaptation-process analysis and assessment; studies on current and future exposure and sensitivity; and lessons learned from adaptation policy implementation); finance, technology and capacities; and education, training and awareness of the public.

Download the report [here](#).

Contact [Margarita Caso](#) (INECC) for more information.



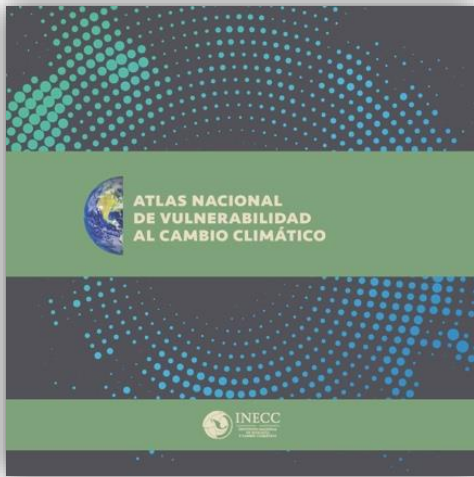


Photo: INECC, 2018.

National Atlas of Vulnerability to Climate Change of Mexico

By National Institute of Ecology and Climate Change (INECC).

Policy brief that describes the objective of the National Atlas of Vulnerability to Climate Change (NAVCC), conceptual framework on vulnerability assessment, work developed for the development of the NAVCC, and expected impact of the tool in public policies.

[Download](#) the policy brief.

Contact [Margarita Caso](#) and [Daniel Iura](#) for more information.



Photo: INECC, 2018.

Design and Implementation of Adaptation to Climate Change Measures in Mexico

By National Institute of Ecology and Climate Change (INECC)

Policy brief that describes the Process of Adaptation to Climate Change developed at INECC, the desirable characteristics that the adaptation measures must have, the approaches of adaptation (Ecosystem-based Adaptation, Community-based Adaptation, and Disaster Risk Reduction and Adaptation), some examples of adaptation measures implemented by INECC, expected utility in public policies, and recommendations based on INECC's experiences in the design and implementation of adaptation measures.

[Download](#) the policy brief.

Contact [Margarita Caso](#) and [Aram Rodriguez](#) for more information.

Business and ecosystem-based adaptation in the Philippines

By Earth Security Group

In this report, Earth Security Group presents four business innovation models, in insurance, banking, conservation finance and entrepreneurship, that corporations and banks can adopt to significantly increase disaster preparedness and response, based on strengthening natural ecosystems.

[Download](#) the report.

Contact [Pablo Orvananos](#) for more information.

Any feedback, interest or input from FEBA into the brief and ongoing development of the project is very welcome.

Programs, projects, and initiatives

Ecosystem-based Adaptation strategies to Climate Change Adaptation in Colombia and Ecuador

June 2016 – July 2018

The German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) funded this Regional Programme. The official partners of the program are the Ministries of Environment of the two countries. The German Technical Cooperation - GIZ was responsible for coordinating the program in both countries, and in the case of Ecuador, it was implemented by the Regional Office for South America of IUCN in coordination with key partners. It aimed for national and local authorities, in selected project coastal regions of Ecuador and Colombia, to integrate ecosystem-based adaptation approach into their policies, plans or strategies, and implement it thereby helping to reduce the environmental, social and economic vulnerability of local communities. In Ecuador, it was implemented in the municipalities of Jipijapa and Santa Ana in the province of Manabi. The initiative included four components: a) ecosystem-based adaptation in practice, b) capacity building, c) mainstreaming and scaling-up of EbA, and d) communication and knowledge management.

More information is available [here](#).

Contact [Aracely Salazar Antón](#) and [Karen Podvin](#) for more information.



Illustration of the Project sites (Membrillar and Honorato Vásquez in the province of Manabi – Ecuador) © Roger Ycaza

Scaling Up Mountain Ecosystem-Based Adaptation: building evidence, replicating success, and informing policy

July 2017 – June 2020

The Ecosystem-based Adaptation approach is widely recognized as an important strategy for adapting to the impacts of climate change. But in mountain areas, on-the-ground EbA measures have not been widely implemented. To help build support for EbA approaches in mountains, both on the ground and in national and international policy, The Mountain Institute (TMI) and the International Union for the Conservation of Nature (IUCN) have joined forces to launch a three-year program working on EbA in key mountain regions.

Our goal is to expand EbA work started during the “Mountain EbA Flagship Programme” in the Himalayas (Nepal), Mount Elgon (Uganda) and the Andes (Peru) and to support the EbA approach being adopted in neighboring Bhutan, Kenya and Colombia. Our Mountain EbA Program seeks to benefit local people directly, as well as the millions downstream who depend on the water and other benefits that come from mountains. We will also identify and assist conservation and development projects already underway that could benefit from Mountain EbA practices. The EbA experience and data we develop through this program will be instrumental in building wider support and generating financing for EbA within national governments and at international forums.

[Read more](#) about the programme. More information about the launch in Colombia is available [here](#).

Contact [Erin Gleeson](#) or [Katherine Blackwood](#) for more information.



Visit to the Project site “Project Adaptation to Climate Impacts in Water Regulation and Supply for the Chingaza-Sumapaz-Guerrero Area” © TMI / Erin Gleeson

GO4EbA/ AVE Project (Adaptación, Vulnerabilidad & Ecosistemas)

September 2014-May 2019

The project aims 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
- Evidence on reliable evidence of its multiple benefits
- Wide communication of EbA benefits

It is implemented in six pilot sites in transboundary water basins: Cahoacán River Basin, Coatán River Basin, Sumpul River Basin (upper microwatershed), Goascorán River Basin, La Paz River Basin and Sixaola River Basin, where local natural resources/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/policies.

Read more [here](#).

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.



National Atlas of Vulnerability to Climate Change of Mexico

2014-Ongoing

The National Atlas of Vulnerability to Climate Change (NAVCC) is a tool to enhance decision-making processes with an expected impact in public policies in the country. It contributes to the identification of adaptation actions that can be carried out to reduce vulnerability to climate change. The tool may guide the fulfillment of the adaptation components of the NDC in the three levels of government.

Main climate-related problems that have an impact or that could have it in the context of climate change in social, productive, economic and natural systems were identified. As a first phase, seven vulnerabilities related to climate change were developed: 1. Human settlements to floods; 2. Human settlements to landslides; 3. Population to the increase in the distribution of dengue; 4. Livestock production to floods; 5. Livestock production to water scarcity; 6. Forage production to water scarcity; and 7. Endangered species.

In 2019, the NAVCC will be updated on a second phase to include new vulnerabilities related to climate change: 8. Mountain cloud forests; 9. Roadway network to landslides; and 10. Blue carbon storage systems.

Access the tool [here](#).

Contact [Margarita Caso](#) and [Daniel Iura](#) for more information.



Photo: INECC, 2018.

ENVISION: An inclusive approach to assessing integrative scenarios and visions for protected area management

January 2019 – December 2021

ENVISION is a transdisciplinary research project that develops, tests and validates a novel, inclusive scenario approach for engaging multiple stakeholders in protected areas management and biodiversity decision-making at multiple scales.

We aim to develop a coherent set of tools and processes for systematically identifying, assessing and comparing PA management visions based on past drivers of change and the consequences of modelled scenarios on multiple aspects of biodiversity, ecosystem services and human well-being. Scenarios used to derive the associated visions will include land-use change, invasive species, climate change, tourism, forestry, mining, indigenous use of natural resources, and water resources planning and governance. ENVISION addresses the research questions of: 1) to what extent is balancing diverse visions possible and, 2) how can strategies based on collectively defined visions be translated into protected area management at multiple scales?

Funded by BiodivERsA ERA-Net

More information is available [here](#).

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

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](#) for more information.

Resilience through Investing in Ecosystems - knowledge, innovation and transformation of risk management (RELIEF Kit)

2015-2018

RELIEF Kit is a 3 year initiative (2015-2018) to document linkages between biodiversity and disasters and establish capacity development knowledge products for policy makers, practitioners and other relevant stakeholders.

With the increasing incidence and severity of natural hazards, it is critical to identify opportunities for effective disaster risk reduction strategies. The past decade provided compelling evidence on the role of nature in reducing vulnerabilities to natural hazards. However there remain information gaps when it comes to implementation of Ecosystem-based DRR (Eco-DRR) approaches. This project will address the knowledge gaps by carrying out 6 regional assessments to generate knowledge on the importance of biodiversity and ecosystems in Eco-DRR approaches at national and regional levels.

Limited technical capacities, lack of resources, coordination and synergies can also limit the adoption of Eco-DRR approaches. In an effort to strengthen capacities for Eco-DRR implementation, the project will use the regional assessments as information sources and background material for a series of regional trainings. The trainings will equip participants with the necessary knowledge to better inform and influence policy-making and it can catalyse actions to protect biodiversity for disaster risk reduction. By involving multiple stakeholders, the capacity development events will also facilitate networks and cross sectoral collaborations.

The project is coordinated by the Global Ecosystem Management Programme at IUCN, working closely with various partners of the Partnership on Environment and Disaster Risk Reduction (PEDRR), including the United Nations Environment Programme (UNEP), as well as six regional offices in Asia, South America, Mexico, Central America and the Caribbean, Oceania, Eastern and Southern Africa, and West and Central Africa Regional Office.

Contact [Katherine Blackwood](#) for more information.

Events

January 2019

Climate Resilience Policy Workshop

The workshop will build on the outcomes of the Private Sector Workshop that took place in July 2018 at Aboitiz Group in Manila. A set of action areas were identified by interested parties at the July event to support climate resilience investments in Ecosystem based Adaptation (EbA). ESG, together with its local partners Asian Institute of Management and Philippine Business for the Environment, will reconvene 30-40 key stakeholders from Philippine industry, the insurance and finance sectors and key policy-makers to further institutionalize the set of action areas to support ecosystem-based climate adaptation and identify key messages to policy makers for their support.

Contact [Pablo Orvananos](#) for more information.

28 February 2019 (*tbc*)

Expert meeting and consultation on “M&E Methodology for Food Security” and “M&E Methodology for Water Security”

The M&E Methodologies for Food Security and M&E Methodology for Water Security are tools developed by IUCN for tracking the benefits of EbA for Food and Water Security. Experts and practitioners working on EbA are invited to comment on the advanced Draft that will be shared on February 28th.

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

7 March 2019, 17:00 CET

Webinar on EbA Tools with inputs from WCMC and GIZ Mexico

The webinar will be held under the title ‘*Tools to support the implementation of Ecosystem-based Adaptation*’. The EbA Tool Navigator, which is now live and currently being featured on the [IIED website](#), will be presented by UNEP-WCMC. Furthermore, colleagues from GIZ Mexico will explain an online tool to prioritize EbA measures. Further webinars for 2019 will be announced soon through the international EbA Community of Practice channels

All past webinars are available [online](#).

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

13-14 March 2019

Expert meeting on "biodiversity and ecosystem services approaches for climate change adaptation (CCA) and disaster risk reduction (DRR), EEA (Copenhagen)

This expert meeting will inform the preparation of a 2019 EEA scoping paper aiming to explore different approaches on how to address the knowledge base, policies, case studies, good practices in European countries in ecosystem-based adaptation (EbA), ecosystem-based approaches to disaster risk reduction (eco-DRR) and green infrastructures (GI) and nature-based solutions (NBS) for CCA and DRR. The scoping paper aims to define the contents for the planned 2020 EEA assessment report.

Contact [Corine Guma](#) for more information.

17 April 2019

The 2nd Uganda Climate Change Symposium and Expo 2019

The 2nd Climate Change Symposium is being organized by the National Media group in partnership with the Climate Change Department (Ministry of Water and Environment), GIZ, and the Climate Action Network of Uganda. It will bring together participants from communities of research, policy and practice to share results of innovative ways to address the challenge of climate change and what different sectors need to do to adapt and mitigate the consequences. IUCN will be part of the participants from Government agencies, Private sector experts, Development agencies, Civil Society, Farmer group leaders and Media among others. IUCN will host a break away session during the

symposium, to disseminate the research results from the Mountain EbA project, Uganda and also initiate discussions on a National EbA framework.

Contact [Evelyne Busingye](#) for more information.

29-30 April 2019

Global workshop on Ecosystem-based Adaptation in Transboundary Basins

The workshop will analyse the value, limits and conditions for ecosystem-based adaptation and discuss how EbA can particularly help in transboundary basins, as a low or no regret measure. Participants will share good practices, experiences and lessons learned with EbA from basins around the world. The global workshop will be followed by the tenth meeting of the Task Force on Water and Climate, which will be held on 1 May 2019 in Geneva.

More information and registration is available [here](#).

Contact [Hanna Plotnykova](#) for more information.

27 May 2019

Capacity building on M&E Methodologies for Food Security, M&E Methodologies for Water Security and CLIMA Tool (Climate Policy, Legal and Institutional Assessment Tool) as a side event organized during IUCN Regional Members Forum

A training on the use of the Methodologies for Food and Water Security will be held, as well, as their importance for strengthening governance for EbA. CLIMA Tool will be launched.

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

27 May 2019

AVE (Adaptación, Vulnerabilidad & Ecosistemas) Project closing event

AVE Project invites training participants to celebrate the closing of EbA Project.

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

04-07 June 2019

Reaching the NDCs with the help of Ecosystem-based Adaptation

Bonn, Germany

GIZ's NDC & EbA training modules offer participants an overview of the most relevant aspects for implementing NDCs by using the potential of ecosystem services for climate change adaptation. Participants will increase capacities for policy development and implementation related to EbA. The core modules of the training are:

1. Framework module on the Paris Agreement and NDCs with a focus on adaptation (1 day)
2. EbA Mainstreaming modules (3 days)
 - Introduction to the key elements of EbA
 - Assessment of risks in complex & coupled socio-ecological systems
 - Design and selection of EbA measures
 - Monitoring and Evaluation of EbA
 - EbA-specific case work

The course is based on the Harvard Case Method, which conveys teaching messages mainly through interactive group work by the participants.

For further information and online registration please visit the [AIZ-Website](#).

Contact [Gabi Scholz](#) for more information.

11-14 June 2019

4th International EbA Community of Practice Workshop

Bonn, Germany

The Workshop will be hosted by GIZ in collaboration with UNU-EHS in Bonn. Details to be confirmed.

Find the learning briefs of the last Community of Practice workshops [here](#)

Contact [Andrea Bender](#) for more information.

19 June 2019 **5th EbA Knowledge Day**
Bonn, Germany

The 5th EbA Knowledge Day is organized by GIZ in collaboration with IUCN and IIED during SB50. The topics “EbA effectiveness” and “Scaling Up EbA” constitute the thematic scope for the day and will be approached through panel discussions, dialogue and market place formats.

Please find the full documentation on all EbA Knowledge Days [here](#)

Contact [Mathias Bertram](#) for more information.

June 2019 - dates tbd **Friends of EbA (FEBA) members’ meeting**
Bonn, Germany

A FEBA members’ meeting will be organized during SB50. Details to be announced.

Contact [Katherine Blackwood](#) for more information.

July 2019 **Ecosystem Services Partnership Conference**

Togo

A presentation on “IUCN experience with Ecosystem-based Adaptation in Mt Elgon, Kenya and Uganda” will be made during the Conference on Ecosystem Services Partnership scheduled for July 2019 in Togo.

Contact [John Owino](#) for more information.

5-10 August 2019 **EbA seminar ‘Ecosystem-based Adaptation: Opportunities in policy and practice’**

International Academy for Nature Conservation, Isle of Vilm, Germany

The seminar is part of the series ‘Seminars on nature conservation in German development cooperation’, which is jointly organized by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) on behalf of the Federal Ministry for Economic Cooperation and Development (BMZ) and the International Academy for Nature Conservation, Isle of Vilm, of the German Federal Agency for Nature Conservation (BfN).

The seminar gives room to explore and exchange on opportunities, processes and challenges for mainstreaming Ecosystem-based Adaptation in its cross-sectoral context. Thereby, a contribution to a more targeted and needs-oriented international cooperation in the field of EbA is made. The seminar combines in-depth topical expert inputs with closely related case examples as well as knowledge products of the international EbA Community of Practice.

The target group of the seminar are practitioners at the interface of development cooperation, biodiversity conservation and climate change (GIZ, KfW, BMZ, BMU, consulting companies, foundations, NGOs, universities, partner organizations).

[Read more about the seminar.](#)

Contact [Martina Finger](#) for more information.

Launch tbc **Curso en línea: Introducción a la Gobernanza para la Adaptación basada en Ecosistemas**

The online course invites to understand the role of policies, laws and institutions for EbA implementation and sustainability. It has three modules: 1. Ecosystem based Adaptation; 2. Governance for EbA; and 3. Climate Justice. Successful participants will receive a Certificate issued by UNITAR and IUCN.

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

Publications and communications

Study on Climate Risk Insurance and Ecosystem-based Adaptation (EbA): concepts, examples and opportunities

By GIZ

Despite political will and uptake, a broader implementation and upscaling of EbA remains challenging. It requires close coordination and concrete cooperation between the various stakeholders at different sectoral levels. An important partner here is the private sector in the area of Climate Risk Insurance (CRI), as this might be a promising pathway to finance and implement EbA. An integrated EbA-CRI mechanism has the potential for a more innovative and robust climate change adaptation and disaster risk reduction strategy, as it combines risk-reducing EbA measures with risk transfer mechanisms and new financial incentives (insurance). It is, however, crucial to develop an approach to link these two concepts with a view to significantly increase the resilience of broad parts of the population in areas affected by the negative impacts of climate change.

Therefore, a status paper for planners and practitioners, decision-makers, scientists, representatives from NGOs and international organizations as well as interested actors from (re)insurance companies shall be produced. It will provide an overview as well as showcase the potential of Climate Risk Insurance as an entry point for a wider planning and implementation of EbA. Thereby, visions on how to connect EbA and CRI in the future can be developed.

Contact [Andrea Bender](#) for more information. Examples, ideas and contacts for the study from FEBA are highly appreciated!

Study on results-based monitoring for EbA measures

By GIZ and members of the FEBA M&E working group

In the context of EbA, the understanding of results-based monitoring systems is crucial. Monitoring and Evaluation (M&E) aspects need to be taken into consideration in EbA measures, especially since multi-level and multi-sectoral approaches are required, aspiring holistic ecosystem management for climate change adaptation objectives.

Therefore, a practical guidebook for results-based monitoring of Ecosystem-based Adaptation measures is being developed to inform EbA practitioners who design and implement these measures, as well as the international climate community on how measures of EbA can be assessed and reported upon. In doing so, the guidebook and its application will also contribute to the international debate about transparency and reporting of adaptation in the context of the Paris Agreement.

Contact [Andrea Bender](#) for more information.

Wikipedia: Ecosystem-based Adaptation

By Members of the FEBA Wikipedia working group

Members of the FEBA working group have drafted a Wikipedia page on EbA to spread knowledge of the EbA concept to a casual audience. The page will be circulated for FEBA review and uploaded in early 2019.

Contact [Katherine Blackwood](#) and [Emily Goodwin](#) for more information including if interested in helping review the document.

How EbA Contributes to the SDGs

By Members of the FEBA SDG working group

Contact [Katherine Blackwood](#) and [Tristan Tyrrell](#) for more information.

Study on Integrated Water Resource Management as an entry point for Ecosystem-based Adaptation (EbA) planning and implementation: Concepts, synergies and practical examples

By GIZ

EbA and Nature-based Solutions (NbS)-related policies, plans and pilot projects in many countries are closely related to water resources management addressing water supply, regulation and water-related risks. Most EbA strategies and measures mentioned in the Nationally Determined Contributions cover the effective conservation and restoration of ecosystems and watershed/river basin management. In this context, the understanding of complex social-ecological systems is crucial.

Integrated Water Resources Management (IWRM) requires interaction between governments, civil society, the private sector and citizens. Knowledge on how these systems take decisions in a complex world, including whom to involve in the process and how to render account, is needed. Currently, there is very little consolidated experience on how to strengthen ecosystem-based approaches within planning and decision-making processes inherent to the IWRM-approach. Therefore, a study for planners and practitioners is being produced, providing an overview and showcasing the potential of IWRM as an entry point for a wider scale landscape approach to Ecosystem-based Adaptation planning and implementation.

Contact [Mathias Bertram](#) for more information.

Briefing Paper Series

By GIZ

As overview and teaser documents, a series of brief thematic papers on politically important negotiation topics of the BMU and partner countries in the context of EbA and the UN Climate Conventions (Paris Agreement), biodiversity (Aichi goals) and disaster preparedness (Sendai Framework) is being produced. These papers focus for instance on synergies between EbA and Eco-Disaster Risk Reduction (Eco-DRR); the contribution of EbA to the implementation of National Adaptation Plans (NAPs) and Nationally Determined Contributions (NDCs); linkages between EbA and the Sustainable Development Goals or synergies of the Rio Conventions on Biological Diversity and Combatting Desertification and Land Degradation with Ecosystem-based Adaptation.

Contact [Andrea Bender](#) and [Mathias Bertram](#) for more information.

Ecosystem-based Adaptation – a governance analysis

By GIZ

Governance aspects need to be taken into consideration in EbA measures, especially since multi-level and multi-sectoral approaches are required, aspiring holistic ecosystem management for climate change adaptation objectives. EbA mainstreaming can only work if civil society as a key actor to mobilize people's participation as well as businesses are engaged, with clear roles and mandates for action. This diversity of stakeholders in the governance frameworks is a chance for initiating, following up and sustaining EbA measures, but at the same time quite challenging. Currently, very little consolidated experience on the diversity and quality of governance frameworks for systematically integrating EbA into planning and decision-making processes exists at international, regional and national level.

Therefore, a governance analysis for EbA mainstreaming – including qualitative aspects of governance systems, is being developed. It will provide brief and demand-oriented key information for policy decision makers and practitioners on how to use or strengthen existing governance structures for EbA mainstreaming. Furthermore, information on existing (soft) success factors (enabling factors) and barriers (hindering factors) for mainstreaming EbA with a focus on i) policy frameworks, ii) expenditure frameworks and iii) institutional / organizational frameworks will be given.

Contact [Mathias Bertram](#) for more information.

Transformative adaptation to climate change for sustainable social-ecological systems

Scientific paper that describes the characteristics of transformative adaptation, using a literature review

Transformative adaptation as response to social-ecological shifts driven by climate change

Scientific paper that presents examples of transformative adaptation as a response to social-ecological shifts driven by climate change

Transformative Adaptation with Nature in practice

Technical booklet that presents the concept of transformative adaptive, and examples of transformative adaptation using nature protection, restoration or management.

By *Giacomo Fedele et al.*

Contact [Giacomo Fedele](#) for more information.

Indicators to measure the climate change adaptation outcomes of Ecosystem-based adaptation

By *Camila Donatti et al.*

Scientific paper that presents adaptation outcomes that can be achieved by using EbA, and the suggested indicators to measure such outcomes

Contact [Camila Donatti](#) for more information.

Nuestra experiencia de Adaptación basada en Ecosistemas en Manabí – Ecuador

By Ministry of Environment of Ecuador (MAE), IUCN and GIZ. Authors: Mónica Moya Herrera, William Zúñiga Tello, Daniel Orellana Álvarez, Karen Podvin (IUCN), Martin Calisto Friant (IUCN), y Aracely Salazar Antón (GIZ).

This document reconstructs the implementation process and includes the main lessons learned in Ecuador from the Regional Programme *Ecosystem-based Adaptation strategies to Climate Change Adaptation in Colombia and Ecuador*. It's target groups include decision-makers and a broad public, through a friendly language for all people, especially for women and men from the communities of the Honorato Vásquez and Membrillal Parishes of the Province of Manabí (Ecuador), who actively participated in the implementation of EbA to improve the welfare of their families and to adapt to the negative impacts of climate change.

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

Ecosystem based Adaptation measures in Canchayllo and Miraflores communities in the Nor Yauyos Cochas Landscape Reserve

Medidas robustas de Adaptación basada en Ecosistemas en Canchayllo y Miraflores en la Reserva Paisajística Nor Yauyos Cochas

By Karen Podvin (IUCN) and Florencia Zapata (TMI)

As part of the [EbA Community of Practice](#) (UN Environment-REGATTA and Practical Solutions), back in 2017, launched the regional contest “[Evidence on Ecosystem based Adaptation in Latin America and the Caribbean](#)” which aimed to identify successful cases of innovative and replicable Ecosystem based Adaptation technologies or practices that contribute to the resilience and adaptation of communities to climate change. As part of the ten best selected experiences, the case of the EbA measures implemented by The Mountain Institute and IUCN in Canchayllo and Miraflores was selected.

Contact [Florencia Zapata](#) and [Karen Podvin](#) for more information.

Film Release: In Colombia, locals fight to save a unique, disappearing habitat

By Deutsche Welle -DW (Tanja Blut)

This documentary film shows the current situation of fishermen communities in the Magdalena River Basin, and some adaptation measures under implementation with support of TNC, the International Climate Initiative (IKI) of the Federal Ministry of Environment, Nature Conservation and Nuclear Safety (BMU), the Ministry of Environment and Sustainable Development of Colombia, IDEAM, and Fundación Alma.

View [the video](#).

Contact [Juanita Gonzalez](#) for more information.

EbA ToolKit

By Marta Perez de Madrid

The EbA Toolkit includes the methodological tools to understand and implement the EbA approach in different ecosystems and scales. It is aimed at professionals, technicians from organizations, municipalities, NGOs, social enterprises and community leaders with basic knowledge about the environment and adaptation, so that they can have a comprehensible methodological framework to promote initiatives.

Contact [Marta Claudia Pérez](#) for more information.

Governance for EbA Handbook

By Alejandro Iza and Marta Perez de Madrid (eds.)

The publication reflects on evidence, capacities, policy, legal and institutional issues for scaling up and mainstreaming EbA. The book give examples of how to create capacities, improve negotiations, enhance institutional arrangements, improve legal frameworks in order to transform governance systems that towards implementation of EbA.

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

Catalogue of EbA in Mesoamerica

By IUCN

Booklets are organized in three clusters:

- 1) Theory and practice for EbA implementation
- 2) Governance for EbA, where there is a description of the local governance structures strengthened and the impacts for scaling up EbA across levels
- 3) Communities with Natural Intelligence, which describe how communities have embraced the EbA approach
- 4) Evidence on EbA implementation, with analysis and results on food and water security among other general analysis of EbA implementation in Mesoamérica.

Contact [Lorena Martínez Hernández](#) and [Marta Claudia Pérez](#) for more information.

EVALUEMOS LA INFLUENCIA DE LA ADAPTACIÓN BASADA EN ECOSISTEMAS SOBRE LA SEGURIDAD ALIMENTARIA

By Marta Perez de Madrid (ed.)

This publication provides the conceptual framework and is a user guide for M&E food security benefits of EbA. The document is in Spanish, and is understood as a Manual for an audience of local technical staff of municipalities, adaptation professionals and local development agencies.

Contact [Marta Claudia Pérez](#) for more information.

M&E Methodology for Water Security

By IUCN

This manual will provide the conceptual framework for designing and M&E water security EbA measures. The document is in Spanish, and is understood as a Manual for an audience of local technical staff of municipalities, adaptation professionals and local development agencies.

Contact [Ronald McCarthy](#) and [Marta Claudia Pérez](#) for more information.

Impact of EbA measures on Mountain Ecosystem: An information brief

By Cotilda Nakyeyune (IUCN) and Jaymee Silva (The Mountain Institute)

This publication will share the results of the Vulnerability Impact Assessment (2018), which evaluated the sites where EbA was implemented in the period 2010 – 2015. The publication will highlight the impact of the EbA measures on water resources, land and community welfare. It will also highlight some of the key success factors, but will also make recommendations for improving uptake of EbA measures within areas that are adjacent to protected areas.

Contact [Cotilda Nakyeyune](#) and [Jaymee Silva](#) for more information.