



ACCELERATING CLIMATE
AMBITION AND IMPACT:
Toolkit for Mainstreaming Nature-
Based Solutions into Nationally
Determined Contributions



New York Declaration on Forests
GLOBAL PLATFORM



*Empowered lives.
Resilient nations.*

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The challenge

At the COP21 in Paris, UNFCCC Parties committed to intensify the global response to climate change through the adoption of the Paris Agreement. The agreement aims to hold the increase in global temperature to well below 2°C above pre-industrial levels, and improve the adaptation capacity to climate change and facilitate finance for such goals. In 2018, UNEP's Emissions Gap Report showed that to succeed in meeting the 2°C degrees target, the current Nationally Determined Contributions (NDCs) emission reductions need to be tripled, while holding global warming below 1.5°C would require existing commitments to be increased by fivefold.¹

The opportunity

The UNFCCC invites authorities to include actions in all sector of the economy in their NDCs targets. One sector that is currently underrepresented in the NDCs is nature-based solutions (NBS). Within the Agriculture, Forestry and Other Land Use (AFOLU) category, NBS comprise the protection, restoration and sustainable use of forests, grasslands, mangroves, wetlands and other ecosystems. NBS alone can deliver at least a third of the cost-effective CO₂ mitigation needed through 2030. Incorporating more and better NBS targets in countries' NDCs represents an invaluable opportunity to meet the global goal of keeping global temperature below 2°C.

Target audience and objective

This toolkit is intended to provide support to national governments in the process of including nature-based solutions in their National Determined Contributions. The tools collected in this document offer key information, methodologies and guidance for national authorities related to climate change, environmental management, forests, other land use sectors, as well as other sectors related to the NDCs. This toolkit also provides information relevant for sub-national governments seeking to align their commitments and actions with the NDCs.

The inclusion of tools considered in this toolkit does not imply endorsement of one approach over another.

¹ UNEP. 2018. Emissions Gap Report 2018. Nairobi: UNEP.

List of Tools

1. Adaptation Knowledge Portal (UNFCCC)
2. Adaptation Support Tool (ADAPT)
3. Agriculture and Land Use National Greenhouse Gas Inventory Software (USAID)
4. Agriculture, Forestry and Other Land Use Carbon Calculator (USAID)
5. Assessment of Capacities to Implement Policy Outcomes of Investment & Financial Flows Assessment for Key Sectors (UNDP)
6. Biennial Update Report submissions from Non-Annex I Parties (IPCC)
7. Blending Climate Finance Through National Climate Funds: A Guidebook for the Design and Establishment of National Funds to Achieve Climate Change Priorities (UNDP)
8. Bonn Challenge Commitments
9. Caribbean Climate Change Tools (Nature4Climate)
10. CCAFS Mitigation Options Tool (USAID, CGIAR, CIAT, CCAFS, University of Aberdeen, University of Vermont)
11. Climate Action Tracker (NewClimate Institute)
12. Climate Change and Land (IPCC)
13. Climate Data Explorer (WRI)
14. Climate Finance Training for Sector Experts (CliFIT4SE) (GIZ/adelphi)
15. Climate Initiatives Platform (UNEP)
16. Climate Investment Funds Knowledge Center (CIF)
17. Climate Smart Planning Platform (World Bank)
18. ClimateLinks (USAID)
19. Coastal Capital: Ecosystem Valuation for Decision Making in the Caribbean (WRI)
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24. Drivers of Emissions in Agriculture (NDC Partnership)
25. Drought Stress Testing Tool (GIZ/UNEPFI/GCP)
26. e-Learning Platform of the United Nations Statistics Division (UNSD)
27. ENCORE (Exploring Natural Capital Opportunities, Risks and Exposure) (NCFA/UNEP/SECO)
28. Enhancing National Determined Contributions Through Protected Areas (WWF)
29. Evidence Map (University of Oxford)
30. Ex-Ante Carbon-Balance Tool (EX-ACT) (FAO)
31. FAOSTAT (FAO)
32. Financing Solutions for Sustainable Development: Payment for Ecosystem Services (UNDP)
33. GEF Country Profiles (GEF)
34. GEF Knowledge and Learning Projects (GEF)
35. GGGI Library of Publication & Graphics (GGGI)
36. Global Alliance for Climate-Smart Agriculture (FAO)
37. Global Database on Sustainable Land Management (WOCAT)
38. Global Forest Resources Assessments (FAO)
39. Global Forest Watch Climate Map (GFW)
40. Global Forest Watch Map (GFW)
41. Global Information and Early Warning System on Food and Agriculture (FAO)
42. Global Livestock Environmental Assessment Model (FAO)
43. Global Support Programme (UNEP, UNDP, GEF)

44. Good Practice Database (NDC Partnership)
45. Good Practice Guidance for Land Use, Land-Use Change and Forestry (IPCC)
46. Green Finance for Latin America and the Caribbean Platform (GFL)
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48. Growing Better: Ten Critical Transitions to Transform Food and Land Use (FOLU)
49. Guide to Including Nature in Nationally Determined Contributions (N4C, CI, TNC, EDF, NWF, LUKI, Climate Advisers)
50. Handbook for Integrated Water Resources Management in Basins (GWP)
51. Increasing ambition & action on NDCs through FLR (IUCN)
52. Informeame (UNEP)
53. Initiative for Climate Action Transparency Guidance on Agriculture (ICAT)
54. Initiative for Climate Action Transparency Guidance on Forests (ICAT)
55. InVEST - Integrated Valuation of Ecosystem, Services and Tradeoffs (Stanford University)
56. Knowledge Navigator (IDS Knowledge Services, CDKN)
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58. Learning Tool on Nationally Appropriate Mitigation Actions (NAMAs) in Agriculture, Forestry, and Other Land-use Sectors (FAO)
59. Livestock Environmental Assessment and Performance (LEAP) Partnership (FAO)
60. Mapping land management, degradation and conservation including driver, state and impacts (WOCAT)
61. Mapping Ocean Health Explorer (TNC)
62. Mapping Ocean Wealth Explorer (TNC)
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84. NDCs – A source for Nature (WWF)
85. OECD Green Growth Indicators Database 2017 (OECD)
86. Open Foris (FAO)

87. Outreach into sectors: Integrating ecosystem-based approaches to climate change adaptation and disaster risk reduction (Secretariat of the Convention on Biological Diversity)
88. PANORAMA: Solutions for a Healthy Planet (GIZ/IUCN/UNEP/Rare +others)
89. Partnership on Transparency in the Paris Agreement (Partnership on Transparency)
90. Pathway for Increasing Nature-Based Solutions in the NDCs: A Seven-Step Approach for Enhancing Nationally Determine Contributions through Nature-Based Solutions (UNDP)
91. Planting Healthy Air (TNC)
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93. Primer for policymakers and voluntary guidelines for the design and effective implementation of ecosystem-based approaches to climate change adaptation and disaster risk reduction (Secretariat of the Convention on Biological Diversity)
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114. World Bank Open Data (World Bank Group)

How to use this toolkit

The document "[Pathway for Increasing Nature-Based Solutions in the NDCs: A Seven-Step Approach for Enhancing Nationally Determine Contributions through Nature-Based Solutions](#)" provides a concise summary of specific actions to consider when including NBS in the NDCs. This methodology is organized in seven steps or stages. Most of the tools collected in this toolkit can potentially contribute to at least one, if not more, to each of the following steps:

Step 1 – Establish an understanding of the national greenhouse gas accounting context

This step aims at creating a comprehensive understanding of the current context of greenhouse gas emissions by sources and removals by sinks as an essential exercise for countries NDCs.

Step 2 – Identify and review existing nature-based actions in national legal and institutional frameworks

This step implies the identification of Nature-Based Solutions already in place as part of the country's plans, policies, strategies, targets and commitments. The idea behind compiling existing NBS actions is not only to make it evident to policymakers, but also to showcase the potential "low hanging fruits" available to countries to enhance their NDCs.

Step 3 – Identify and review nature-based actions in the current NDC

This step entails a review of the current nature-based actions present in the country's NDC or the enhanced NDC proposal, if under development.

Step 4 – Develop a rapid analysis for estimating the climate change mitigation and adaptation potential of the existing nature-based actions

The objective of this step is to quantify the various paths that the country can follow. By using the information from Step 1, countries should assess the climate change mitigation and adaptation potential of their existing nature-based actions in national legal and institutional frameworks (collected in step 2) and in their proposed NDCs (identified in step 3).

Step 5 – Crosswalk nature-based solution pathways with existing measurable nature-based actions and identify opportunities for enhancing NDCs using spatial data

This step compares the existing nature-based proposed actions with the NBS potential pathways to identify if further nature-based opportunities could be captured within the country's NDC.

Step 6 – Integrate measurable nature-based actions into the NDC

This step focuses on setting quantifiable indicators, crucial for tracking progress toward achieving the NDC goals. Ideally, all NBS should have at least one measurable indicator.

Step 7 – Improve or create the enabling conditions to support implementation of NBS integrated into the NDC

This step entails identification of the main enabling conditions needed to support NBS enhancement or integration into the NDC.

TOOLS FOR ENHANCING NATIONALLY DETERMINED CONTRIBUTIONS WITH NATURE-BASED SOLUTIONS

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2	Adaptation Support Tool (ADAPT)				*		
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5	Assessment of Capacities to Implement Policy Outcomes of Investment & Financial Flows Assessment for Key Sectors (UNDP)						*
6	Biennial Update Report submissions from Non-Annex I Parties (IPCC)	*					
7	Blending Climate Finance Through National Climate Funds: A Guidebook for the Design and Establishment of National Funds to Achieve Climate Change Priorities (UNDP)						*
8	Bonn Challenge Commitments		*				
9	Caribbean Climate Change Tools (Nature4Climate)			*	*		
10	CCAFS Mitigation Options Tool (USAID + others)	*					
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16	Climate Investment Funds Knowledge Center (CIF)							*
17	Climate Smart Planning Platform (World Bank)				*			
18	ClimateLinks (USAID)	*			*			
19	Coastal Capital: Ecosystem Valuation for Decision Making in the Caribbean (WRI)				*	*		
20	Coastal Resilience (TNC)					*	*	
21	Compilation and Synthesis Reports of Parties included in Annex I to the Convention (IPCC)	*						
22	Country's Actions in their NDCs (NDC Partnership)		*	*				
23	Country's Context (NDC Partnership)	*		*				
24	Drivers of Emissions in Agriculture (NDC Partnership)	*						
25	Drought Stress Testing Tool (GIZ/UNEPFI/GCP)							*

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29	Evidence Map (University of Oxford)			*	*		
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32	Financing Solutions for Sustainable Development: Payment for Ecosystem Services (UNDP)						*
33	GEF Country Profiles (GEF)	*			*		
37	Global Database on Sustainable Land Management (WOCAT)		*		*	*	
38	Global Forest Resources Assessments (FAO)			*			
39	Global Forest Watch Climate Map (GFW)				*	*	

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41	Global Information and Early Warning System on Food and Agriculture (FAO)					*	*	
42	Global Livestock Environmental Assessment Model (FAO)				*			
44	Good Practice Database (NDC Partnership)	*					*	*
45	Good Practice Guidance for Land Use, Land-Use Change and Forestry (IPCC)	x						
46	Green Finance for Latin America and the Caribbean Platform (GFL)							*
47	Green Growth Knowledge Platform (OECD/World Bank/UNEP)							*
48	Growing Better: Ten Critical Transitions to Transform Food and Land Use (FOLU)				*	*	*	
49	Guide to Including Nature in Nationally Determined Contributions (N4C, CI, TNC, EDF, NWF, LUKI, Climate Advisers)	*		*			*	*
50	Handbook for Integrated Water Resources Management in Basins (GWP)							*
51	Increasing ambition & action on NDCs through FLR (IUCN)	*		*	*		*	

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53	Initiative for Climate Action Transparency Guidance on Agriculture (ICAT)				*			
54	Initiative for Climate Action Transparency Guidance on Forests (ICAT)				*			
55	InVEST - Integrated Valuation of Ecosystem, Services and Tradeoffs (Stanford University)				*	*		*
57	Land-use Finance Toolbox (EU REDD Facility / CPI)							*
58	Learning Tool on Nationally Appropriate Mitigation Actions (NAMAs) in Agriculture, Forestry, and Other Land-use Sectors (FAO)						*	
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60	Mapping land management, degradation and conservation including driver, state and impacts (WOCAT)				*		*	
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67	National Communication submissions from Non-Annex I Parties (IPCC)	*					
68	National REDD+ Strategies and Actions (UNFCCC)	*					
69	Natural Capital Toolkit (Shift)			*	*		*
70	Natural Climate Solutions - Research paper (Griscom et. al. 2017)	*	*	*	*		
72	Natural Climate Solutions World Atlas (Nature4Climate)	*	*	*	*		
73	Natural Pathways to Climate Mitigation (Nature4Climate)	*	*	*	*		
74	Natural Solutions Toolkit (TNC)			*	*		
76	Nature Based Solutions in Action (UNEP)			*	*		*

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79	NBS Bibliography (University of Oxford)				*	*		
80	NDC Official Documents (UNFCCC)	*		*				
81	NDC Support Cluster Toolbox (BMU)	*						*
82	NDC-SDG Connections Database (DIE/SEI)				*	*		
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87	Outreach into sectors: Integrating ecosystem-based approaches to climate change adaptation and disaster risk reduction (SCBD)						*	
89	Partnership on Transparency in the Paris Agreement (Partnership on Transparency)				*		*	
91	Planting Healthy Air (TNC)					*	*	
92	Policy and Action Standard (WRI)				*			

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103	System of Environmental-Economic Accounting (UN)			*	*	*	

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107	Think Hazard (GFDRR)					*	*	
108	Toolkit to Enhance Access to Adaptation Finance (OECD)							*
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113	weADAPT (SEI)					*		*
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OTHER TOOLS

Other tools included in this toolkit provide overview information and approaches that apply across all of the steps include the following tools:

15. Climate Initiatives Platform (UNEP)
34. GEF Knowledge and Learning Projects (GEF)
35. GGGI Library of Publication & Graphics (GGGI)
36. Global Alliance for Climate-Smart Agriculture (FAO)
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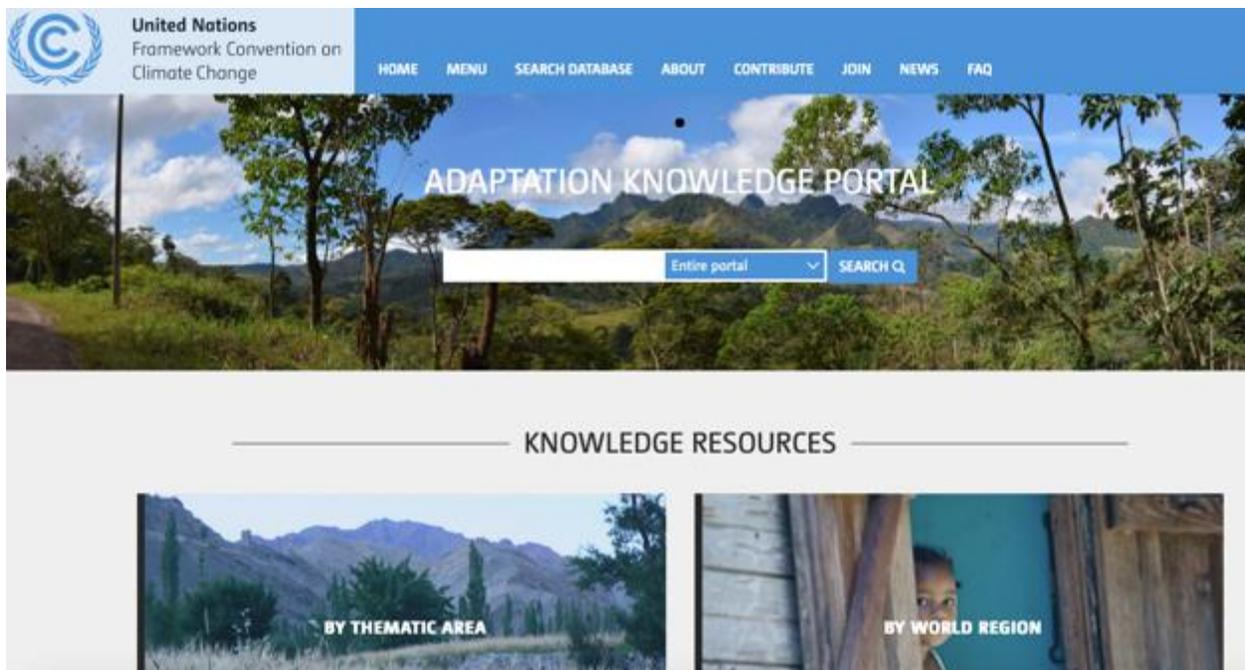
1. Adaptation Knowledge Portal

Type of tool: Knowledge platform

Organization: UNFCCC

Description: The Adaptation Knowledge Portal builds on the worldwide contributions of policy-makers, practitioners and researchers to offer first-hand information and actionable knowledge on climate change adaptation. On the portal, you will find: Adaptation case studies; methods and tools; other knowledge resources including relevant publications, technical documents, training material and online portals.

Website: <https://www4.unfccc.int/sites/nwpstaging/Pages/Home.aspx>



2. Adaptation Support Tool

Type of tool: Guidance documents

Organization: The European Climate Adaptation Platform Climate-ADAPT

Description: The aim of the Adaptation Support Tool is to assist users in developing climate change adaptation strategies and plans by providing guidance, links to relevant sources and dedicated tools.

Website: <https://climate-adapt.eea.europa.eu/knowledge/tools/adaptation-support-tool>



The screenshot displays the Climate ADAPT website interface. At the top left is the logo for Climate ADAPT, with the tagline "SHARING ADAPTATION INFORMATION ACROSS EUROPE". To the right of the logo is a search bar labeled "Search all site ..." and navigation links for "Help" and "My Climate-ADAPT". Below the logo is a dark blue navigation bar with white text for "ABOUT -", "EU POLICY -", "COUNTRIES, TRANSNATIONAL REGIONS, CITIES -", "KNOWLEDGE -", and "NETWORKS". A breadcrumb trail below the navigation bar reads "Home > Knowledge > Tools > Adaptation Support Tool".

The main content area features a circular diagram on the left with six numbered steps (1-6) around the text "Adaptation Support Tool". To the right of the diagram is the heading "The Adaptation Support Tool - Getting started" and a sub-heading "What is the Adaptation Support Tool?". The text below explains the tool's purpose: "The aim of the Adaptation Support Tool is to assist users in developing climate change adaptation strategies and plans by providing guidance, links to relevant sources and dedicated tools (urban practitioners find a specific [Urban Adaptation Support Tool](#))."

Further text states: "The European Commission has issued [EU guidelines on developing adaptation strategies](#) as a component of the [EU strategy on adaptation to climate change](#), with the aim to support EU Member States in the process of developing, implementing and reviewing their adaptation strategies. They provide a common understanding of key features relevant to adaptation processes, building on the experience available in the EU. The steps and recommendations of the Adaptation Support Tool are aligned with the contents of these guidelines."

A final paragraph notes: "The tool is based on the policy cycle, which highlights that climate change adaptation is an iterative process that will help ensuring decisions are based on up-to-date data and knowledge. This iterative process will be supported by monitoring and timely assessment of measures. In its design the Adaptation Support Tool borrows from the UKCIP Adaptation Wizard and various Risk assessment frameworks."

At the bottom left, there is a sidebar titled "The Adaptation Support Tool - Getting started" containing a list of links:

- » How is the European climate changing?
- » Why adapt to climate change?
- » Key principles for adaptation

3. Agriculture and Land Use National Greenhouse Gas Inventory (ALU) Software

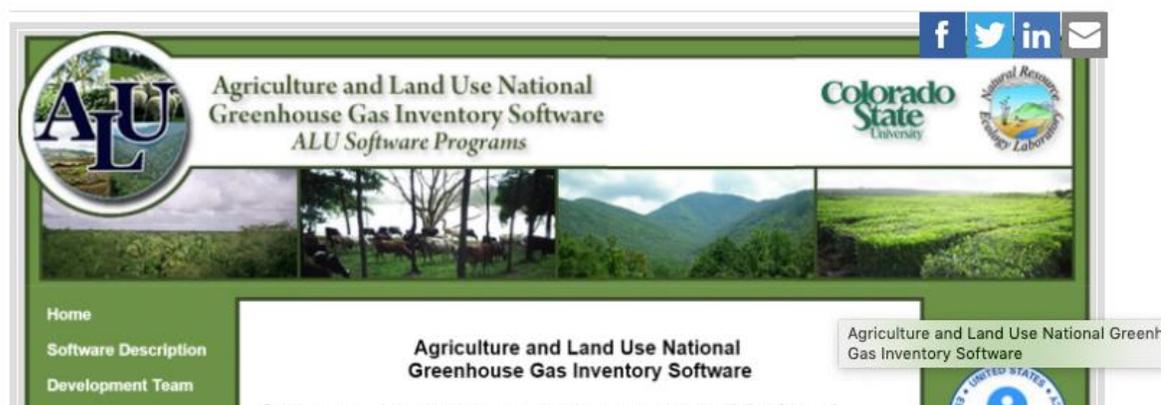
Type of tool: Technical software

Organization: Colorado State University and USAID

Description: ALU Software is a downloadable tool that guides users through the process of estimating national greenhouse gas emissions and removals related to agricultural and forestry activities. The software links GHG inventory to planning and development of mitigation actions, useful in developing Nationally Appropriate Mitigation Actions and Low Emissions Development Strategies.

Website: <https://www.climatelinks.org/resources/agriculture-and-land-use-national-greenhouse-gas-inventory-alu-software>

Agriculture and Land Use National Greenhouse Gas Inventory (ALU) Software



4. Agriculture, Forestry, and Other Land Use Carbon Calculator

Type of tool: Technical software

Organization: USAID

Description: AFOLU Carbon Calculator is a set of simple, user-friendly, web-based calculation tools, which employ IPCC based carbon accounting methods that allows users to estimate the absorption and storing of carbon dioxide benefits, and emissions reduction potential of eight different types of land-use and management project activities: forest protection, forest management, afforestation/reforestation, agroforestry, cropland management, grazing land management, forest degradation by fuelwood, and the development of land management policies.

Website: <http://www.afolucarbon.org>



5. Assessment of Capacities to Implement Policy Outcomes of Investment & Financial Flows Assessment for Key Sectors

Type of tool: Assessment, Finance

Organization: UNDP

Description: The purpose is to assess the capacities of the relevant institutions and ministries to take forward the policy outcomes of the national investment & financial flows (I&FF) assessment by determining the capacities that exist and those that are needed to implement the outcomes of the I&FF analysis.

Website: <http://ndcpartnership.org/toolbox/assessment-capacities-implement-policy-outcomes-investment-financial-flows-assessment-key>



Assessment of Capacities to Implement Policy Outcomes of Investment & Financial Flows Assessment for Key Sectors

Entry point: Organizational/Institutional Level

6. Biennial Update Report submissions from Non-Annex I Parties

Type of tool: Guideline documents

Organization: IPCC

Description: BURs are reports to be submitted by non-Annex I Parties, containing updates of national Greenhouse Gas (GHG) inventories, including a national inventory report and information on mitigation actions, needs and support received.

Website: <https://unfccc.int/BURs>



Biennial Update Report submissions from Non-Annex I Parties

Non-Annex I Parties, consistent with their capabilities and the level of support provided for reporting, should submit their first BUR by December 2014, and every two years thereafter. The least developed country Parties and small island developing States may submit BURs at their own discretion. The BURs shall be prepared in accordance with the guidelines contained in decision 2/CP.17 ([decision 2/CP.17](#)).

HOW TO SUBMIT

[BUR submission procedures](#)

USEFUL LINKS

7. Blending Climate Finance Through National Climate Funds: A Guidebook for the Design and Establishment of National Funds to Achieve Climate Change Priorities

Type of tool: Guidance document, Finance

Organization: UNDP

Description: The purpose of this guidebook is to assist countries in designing a National Climate Fund. It also aims to provide a simple, robust and transparent method for meaningful stakeholder engagement throughout the design process.

Website: https://www.undp.org/content/dam/undp/library/Environment%20and%20Energy/Climate%20Change/Capacity%20Development/Blending_Climate_Finance_Through_National_Climate_Funds.pdf



8. Bonn Challenge Commitments

Type of tool: Website with key information

Organization: Global Partnership on Forest Landscape Restoration

Description: In this website you can find the countries commitments to restore 150 million hectares of the world's degraded and deforested lands by 2020 and 350 million hectares by 2030.

Website: <http://www.bonnchallenge.org>

Commitments



9. Caribbean Climate Change Tools

Type of tool: Knowledge Platform, Toolkits

Organization: Nature4Climate

Description: A suite of tools to educate regional decision-makers and inform climate resilient policy in the Caribbean. Tools include: a climate change risk management & adaptation tool, a database of scientific information regarding threats to coral reefs, a carbon-neutral tourism calculator, an online archive and information exchange system for climate resilient decision-making, a navigator or knowledge tools, a tool to improve climate risk planning, a drought assessment tool, and a data platform to improve environmental monitoring in the region.

Website: <http://www.caribbeanclimate.bz/caribbean-climate-chage-tools/>



10. CCAFS Mitigation Options Tool (CCAFS-MOT)

Type of tool: Technical software

Organization: USAID, USDA, CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), the University of Aberdeen, the International Centre for Tropical Agriculture (CIAT) and the University of Vermont’s Gund Institute for Environment.

Description: CCAFS-MOT is a tool that provides reliable information about GHG emission reduction options from agriculture. CCAFS-MOT estimates GHG emissions from crop, livestock, agroforestry and rice management systems by country or geographic region.

Website: <https://ccafs.cgiar.org/mitigation-options-tool-agriculture-0#.XWhDsi3MzOR>



11. Climate Action Tracker Data Portal

Type of tool: Dataset

Organization: Climate Analytics, Ecofys, NewClimate Institute

Description: The Climate Action Tracker (CAT) is an independent scientific analysis produced by three research organizations tracking climate action and global efforts towards the globally agreed aim of holding warming below 2°C, since 2009.

Website: <https://climateactiontracker.org/data-portal/>



12. Climate Change and Land

Type of tool: Guideline document

Organization: IPCC

Description: Latest (2019) IPCC Special Report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems

Website: https://www.ipcc.ch/site/assets/uploads/2019/08/Edited-SPM_Approved_Microsite_FINAL.pdf



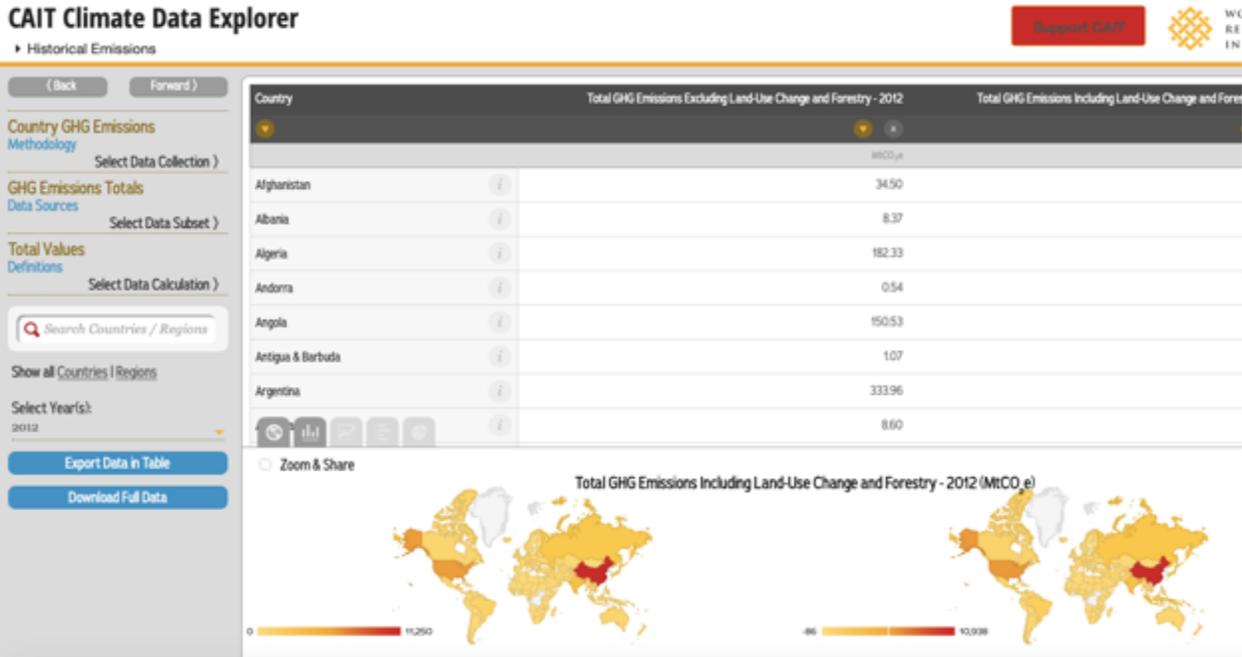
13. Climate Data Explorer

Type of tool: Datasets

Organization: World Resource Institute (WRI)

Description: A variety of global datasets on climate

Website: <http://cait2.wri.org/historical/Country%20GHG%20Emissions?indicator%5b%5d=Total%20GHG%20Emissions%20Excluding%20Land-Use%20Change%20and%20Forestry&indicator%5b%5d=Total%20GHG%20Emissions%20Including%20Land-Use%20Change%20and%20Forestry&year%5b%5d=2012&sortIdx=NaN&chartType=ge>



14. Climate Finance Training for Sector Experts (CliFiT4SE)

Type of tool: Training toolkit, Finance

Organization: adelphi, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Description: Climate Finance Training for Sector Experts (CliFiT4SE) is a dynamic, interactive training approach to inform sector experts in developing countries and emerging economies about climate finance opportunities.

Website: <https://www.clifit.org>



The screenshot shows the homepage of the Climate Finance Readiness Training- CliFiT. The header is a dark red banner with the title "Climate Finance Readiness Training- CliFiT" in white. Below the header is a navigation bar with the breadcrumb "Home > Climate Finance Training for Sector Experts – CliFiT4SE" and social media icons for Facebook, Twitter, and LinkedIn. The main content area is divided into three columns. The left column contains a navigation menu with links for "Home", "CliFiT toolkit", "CliFiT4SE toolkit", "About", "Conceptual Framework", "Training Modules", and "Trainers [login]". The middle column features a red header "Climate Finance Training for Sector Experts – CliFiT4SE" and a text block describing the training approach and its objectives. The right column includes a search bar and the Adelphi logo with the text "Developed by adelphi".

Climate Finance Readiness Training- CliFiT

Home > Climate Finance Training for Sector Experts – CliFiT4SE

Home
CliFiT toolkit
CliFiT4SE toolkit
About
Conceptual Framework
Training Modules
Trainers [login]

Climate Finance Training for Sector Experts – CliFiT4SE

CliFiT4SE is a dynamic, interactive training approach to inform sector experts in developing countries and emerging economies about climate finance opportunities. The overall objective of the training is to provide tailor-made support, strengthening the ability of sector experts to apply a climate-lens to their sector and assess the relevance of sector projects for climate change adaptation and mitigation – and thus for climate finance. In addition, the training will contribute to enhancing communication between stakeholders involved in climate finance.

Specific learning objectives of this training are:

- Understanding key criteria to access climate finance;
- Enabling participants to take initial steps to set up a climate finance project;
- Introducing participants to the logic and financing instruments of the Green Climate Fund (GCF);

Developed by

adelphi

15. Climate Initiatives Platform

Type of tool: Platform, Datasets

Organization: UNEP

Description: The Climate Initiatives Platform enables cooperative climate initiatives to register their action and to showcase their ambition and progress to the world. This freely accessible online platform has brought together more than 200 important cooperative climate initiatives driven by non-state actors, with more than 50 data points provided for each initiative, including goals, activities and participants, as well as progress and impacts.

Website: <http://climateinitiativesplatform.org/index.php/Welcome>

The screenshot shows the homepage of the Climate Initiatives Platform. At the top left, the text "Climate Initiatives Platform" is displayed in blue. Below it are several navigation buttons: "Search", "About", "Suggest", "Success stories", "Impacts of ICIs", "Analysis", "Log In", and "Register". To the right of these buttons are the logos for "UN environment" and "UNEP DTU PARTNERSHIP". A search bar with the placeholder text "Search.." and a "Search" button is located on the right side. Below the navigation and logos, there is a row of four images: a crowd with the Eiffel Tower in the background, a city street with a tram, a field of green crops with wind turbines in the distance, and two hands shaking. At the bottom left, a welcome message reads: "Welcome to the Climate Initiatives Platform (CIP). This portal collects, shares and tracks information on international cooperative climate initiatives driven by non-state actors such as businesses and cities, often with support from national states. More than 50 data points are open for each initiative." On the bottom right, a blue box contains the number "260" and the text "Initiatives in the database".

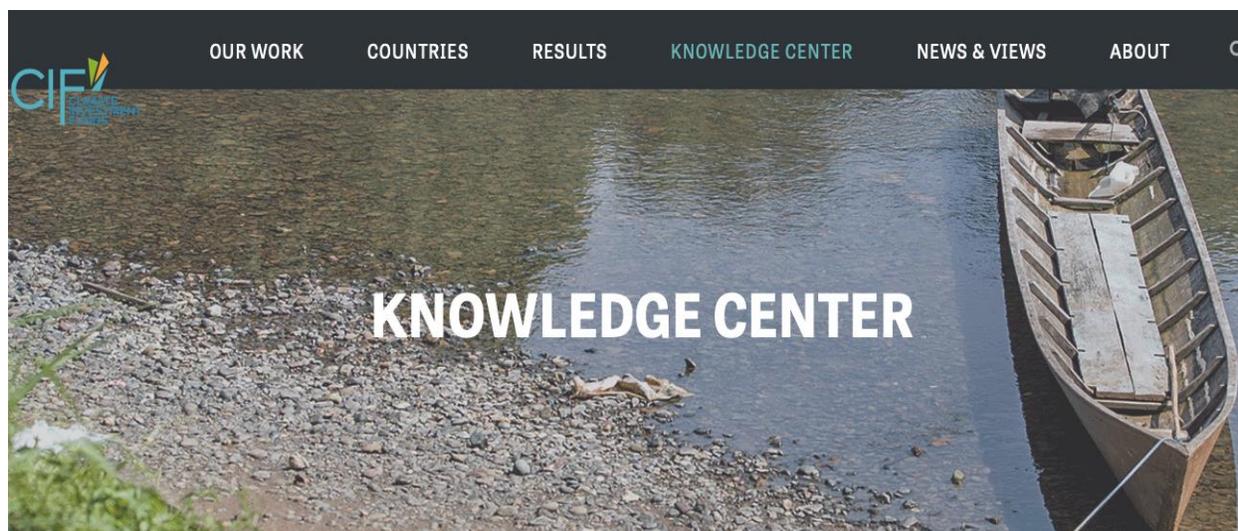
16. Climate Investment Funds Knowledge Center

Type of tool: Platform, Finance

Organization: Climate Investment Fund (CIF)

Description: A collection of reports, tools, case studies, fact sheets, investment plans, learning events, and other policy guidelines to assist policymakers in NDC implementation. Database includes country profiles and resources on how to scale up sustainable programs in low-income countries.

Website: <https://www.climateinvestmentfunds.org/knowledge-center>



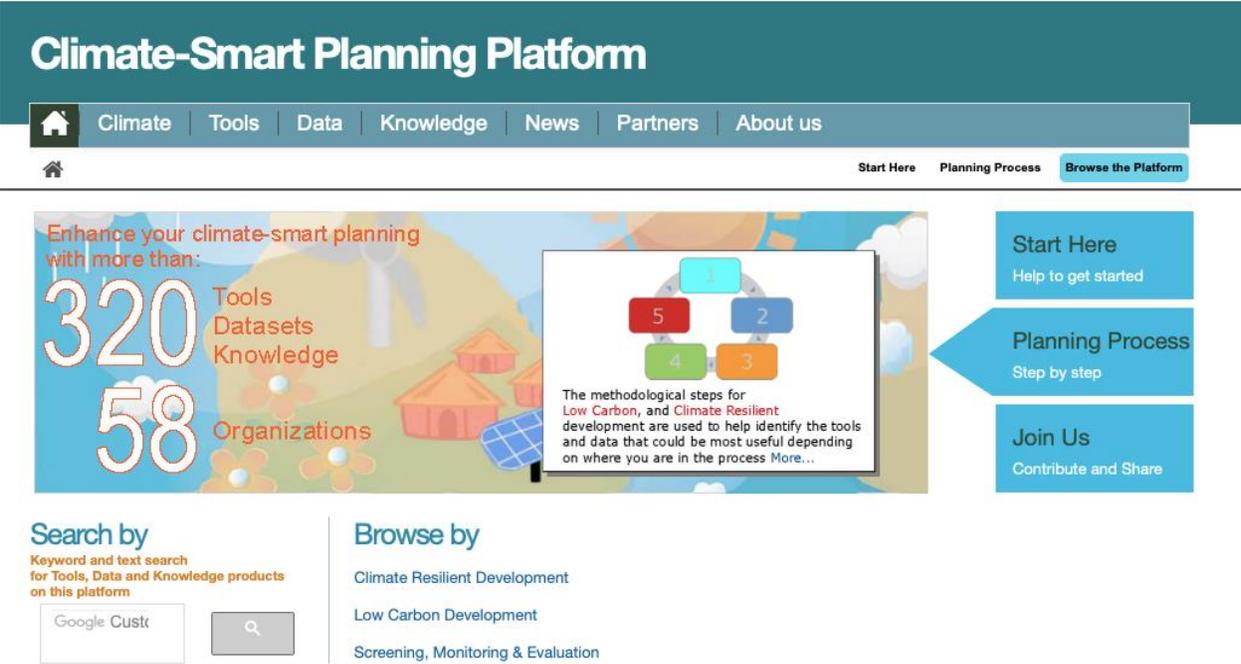
17. Climate-Smart Planning Platform

Type of tool: Dataset, Knowledge Platform

Organization: World Bank

Description: The Climate-Smart Planning Platform provides countries and individual users with the opportunity to gather and share information on the application of climate-resilient and low-carbon development tools by giving access to a wide range of climate-related global and national datasets through its built-in semantic Wiki.

Website: <https://www.climatesmartplanning.org/index.html>



18. ClimateLinks

Type of tool: Platform

Organization: USAID

Description: Climatelinks is a global knowledge that curates and archives technical guidance and knowledge related to USAID’s work to help countries mitigate and adapt to climate change. The aim is to improve climate change and development programming through knowledge sharing. Climatelinks is a place for climate and development practitioners to share training & learning opportunities, data and decision-support systems, and resources to monitor and report progress.

Website: <https://www.climatelinks.org>

climatelinks | A Global Knowledge Portal for Climate and Development Practitioners

USAID FROM THE AMERICAN PEOPLE

Photo Contest About Contact Subscribe in Twitter YouTube

What We Do ▾ Where We Work Learning ▾ Resources ▾ Blog Search

Climatelinks Photo Contest 2019

Do you have great photos of climate and development? Now is your chance to showcase your photos and promote your work on Climatelinks! Winning

19. Coastal Capital: Ecosystem Valuation for Decision Making in the Caribbean

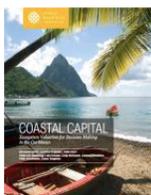
Type of tool: Guideline document

Organization: World Resources Institute

Description: This guidebook details the steps in conducting a coastal ecosystem valuation to inform decision making in the Caribbean. It guides valuation practitioners—both economists and non-economists—through the three phases of a valuation effort (scoping, analysis and outreach), with an emphasis on stakeholder engagement in all phases.

Website: <https://www.wri.org/publication/coastal-capital-ecosystem-valuation-decision-making-caribbean>

The screenshot shows the top navigation of the World Resources Institute website. On the left is the WRI logo and name. To the right are links for 'Other Sites', 'What We Do', 'Where We Work', 'Publications', 'Maps & Data', 'Blog', 'News', 'Events', 'About', and a 'DONATE' button. Below this is a secondary navigation bar with categories: 'Climate', 'Energy', 'Food', 'Forests', 'Water', 'Cities', 'Ocean', 'BUSINESS', 'ECONOMICS', 'FINANCE', and 'GOVERNANCE'. A search bar is on the right. A breadcrumb trail at the bottom of the header reads: 'Home > Publications > Coastal Capital: Ecosystem Valuation for Decision Making in the Caribbean'.



DOWNLOAD OPTIONS

Coastal Capital: Ecosystem Valuation for Decision Making in the Caribbean

by Richard Waite, Laretta Burke, Erin Gray, Pieter van Beukering, Luke Brander, Emily McKenzie, Linwood Pendleton, Peter Schuhmann and Emma Tompkins - February 2014

This guidebook details the steps in conducting a coastal ecosystem valuation to inform decision

PUBLICATION

CONTACT:
Richard Waite

PROJECTS:
[Coastal Capital: Economic Valuation of Coastal Ecosystems in the Caribbean](#)

TOPICS:
[Food](#), [Water](#), [Economics](#)

TAGS:
[caribbean](#), [coastal ecosystems](#), [coral reefs](#), [economic valuation](#), [economics](#), [ecosystem services](#), [fisheries](#), [food](#), [oceans](#), [water](#)

20. Coastal Resilience

Type of tool: Platform, Spatial datasets

Organization: The Nature Conservancy

Description: Coastal Resilience is an approach and online decision support tool to help address the effects of climate change and natural disasters. This platform holds a suite of applications to meet specific planning needs, including coastal management policies, post-storm disaster decision-making, community assessments, hazard mitigation plans or cost effectiveness evaluations. It also holds an online mapping tool designed for planners, government officials, and communities to develop risk reduction, restoration and resilience strategies.

Website: <http://coastalresilience.org>



Coastal Resilience is a program led by The Nature Conservancy to examine nature's role in reducing coastal flood risk. The program consists of an approach, a web mapping tool, and a network of practitioners around the world supporting hazard mitigation and climate adaptation planning.



PROJECTS

Coastal Resilience projects around the U.S., encompassing 17 coastal states, in the Caribbean, across Mexico and Central America, and a global effort enable planners, government officials, and communities to develop risk reduction, restoration and resilience strategies.



OUR APPROACH

The approach consists of four critical steps:

- (1) assess hazard risk and community vulnerability,
- (2) identify nature-based solutions,
- (3) take conservation and restoration action, and
- (4) measure the effectiveness of our actions to reduce flood risk.



NATURAL SOLUTIONS

The science of nature-based solutions in reducing flood risk is growing rapidly. Coastal Resilience and our Natural Solutions Toolkit examines when and where they are most effective.



The Coastal Resilience decision support system includes a visualization platform where ecological, social, and economic information can be viewed alongside sea level rise and storm surge scenarios in specific geographies. In addition, a modular, configurable plugin architecture allows specific geographers to have apps designed specifically for geo-processing and display. These cater to the needs of stakeholders, policies and planning priorities. Apps are used to simplify complex relationships or models, convey a specific ecological or social concept, or used to compare different future condition scenarios.

Access Risk Identify Solutions Measure Effectiveness



Aquatic Barrier Prioritization

Access Risk Identify Solutions

The Aquatic Barrier Prioritization App



Coastal Defense

Identify Solutions

Coastal Defense examines how coastal habitats such as oyster reefs,



Coastline Change: Future Scenarios

Identify Solutions

The Coastline Change: Future Scenarios app allows users to

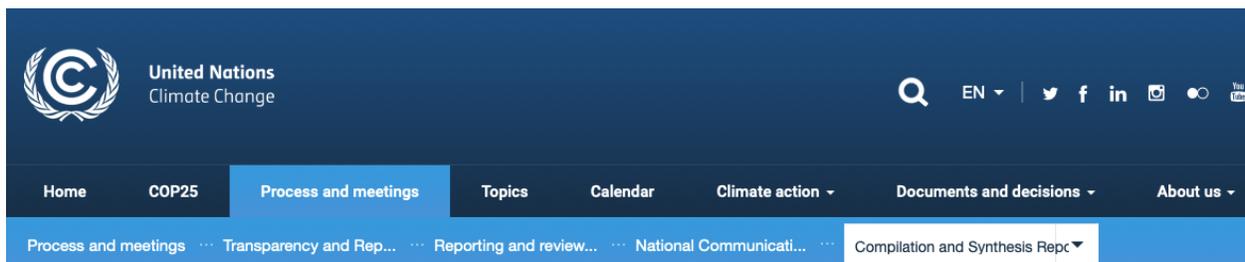
21. Compilation and Synthesis Reports of Parties included in Annex I to the Convention

Type of tool: Guideline documents

Organization: IPCC

Description: The report highlights findings on quantified economy-wide emission reduction targets; progress made towards their achievement, including information on mitigation actions and their effects, the estimates of emission reductions and removals and the use of units from market-based mechanisms and LULUCF activities; greenhouse gas (GHG) emission trends and projections; and the provision of financial, technological and capacity-building support to developing country Parties.

Website: <https://unfccc.int/process-and-meetings/transparency-and-reporting/reporting-and-review-under-the-convention/national-communications-and-biennial-reports-annex-i-parties/CandS-report>



Compilation and Synthesis Reports of Parties included in Annex I to the Convention

The secretariat prepares compilation and synthesis (C&S) reports of the information provided in the biennial reports (BRs) and National Communications (NCs) by developed Parties.

NEWS

Actions and support before 2020: where are

22. National Actions in their NDCs

Type of tool: Dataset

Organization: NDC Partnership

Description: A summary, per country, of the NDC targets, target methodology, coverage, mitigation and adaptation commitments per sector

Website: <https://www.climatewatchdata.org/contained/sectors/agriculture#countries-actions-in-their-ndcs>

Countries' Actions in their NDCs

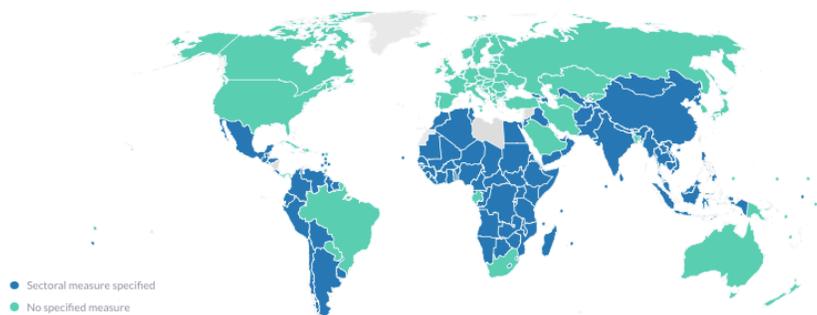
While emissions are rising, countries are also stepping up their commitments to reduce emissions. As part of the Paris Agreement, 65 countries proposed agricultural mitigation measures (i.e.: targets, policies, actions and plans) and 112 countries proposed agricultural adaptation measures (i.e.: targets, policies, actions and plans).

Click on a country to see what agriculture actions have been proposed in their NDCs.

MAP TABLE

Category

Sectoral Adaptation Measures ▼



23. National context

Type of tool: Dataset

Organization: NDC Partnership

Description: General info per country regarding GDP indicators, Socio-economic indicators, Water withdrawal and water stress, Fertilizer and pesticide use, Share in Land Area, Production, Consumption and Trade

Website: <https://www.climatewatchdata.org/contained/sectors/agriculture#understand-countries-contexts>

Understand Country Context

Agricultural practices and products not only influence emissions and water impacts, but also provide economic growth, jobs and food security. How countries can reduce their environmental impacts will be dependent on their unique circumstances.

EXPLORE BY INDICATOR

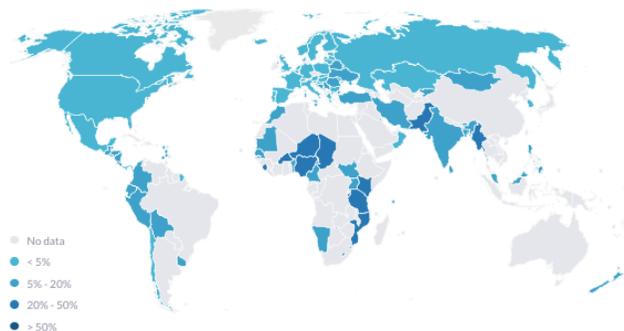
EXPLORE BY COUNTRY

Indicator

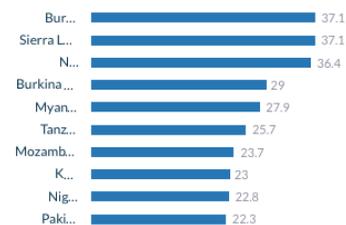
Agriculture value added

Year

2010



Agriculture value added (%)



24. Drivers of emissions in Agriculture

Type of tool: Dataset

Organization: NDC Partnership

Description: Helps in exploring what activities are driving agricultural emissions (by country) and see future pathways of those drivers.

Website: <https://www.climatewatchdata.org/contained/sectors/agriculture#drivers-of-emissions>

Drivers of Emissions

Agriculture activities are responsible for more land-clearing than any other sector, contributing a significant amount of emissions in developing countries. GHG emissions from agriculture consist mainly of non-CO₂ gases produced by crop and livestock production and management activities.

Explore what activities are driving agricultural emissions in the chart below and see future pathways of those drivers.



25. Drought Stress Testing Tool

Type of tool: Technical Software, Finance

Organization: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, United Nations Environment Finance Initiative (UNEP FI), Global Canopy Programme (GCP), Emerging Markets Dialogue on Finance (EMDF)

Description: The 'Drought Stress Testing Tool' allows financial institutions to see how incorporating drought scenarios changes the perception of risk in their own loan portfolios. Based on the catastrophe modelling framework that the insurance industry has used for 25 years, it looks at five drought scenarios in four countries – Brazil, China, Mexico and the US – to model the impact on 19 different industry sectors, the companies in those sectors and the likelihood that they will default on their loans.

Website: <https://naturalcapital.finance/wp-content/uploads/2018/11/Drought-Stress-Testing-Tool-FULL-REPORT.pdf>

The image shows the cover of a report titled 'Drought Stress Testing: Making Financial Institutions More Resilient to Environmental Risks'. The background is a blurred photograph of a city skyline at dusk or dawn, with warm colors from the sky reflecting on the buildings. The text is overlaid on the left side of the image.

Drought Stress Testing
Making Financial Institutions More Resilient
to Environmental Risks

26. e-Learning Platform of the United Nations Statistics Division

Type of tool: Platform, E-learning, Datasets

Organization: UNSD

Description: The e-Learning platform of the UN Statistics Division hosts a range of learning resources designed to familiarise individuals with the concepts and methods behind the System of Environmental-Economic Accounting. This platform provides users with courses, virtual classrooms and other learning resources on key topics such as water accounting, energy accounting and experimental ecosystem accounting.

Website: <https://elearning-cms.unstats.un.org>



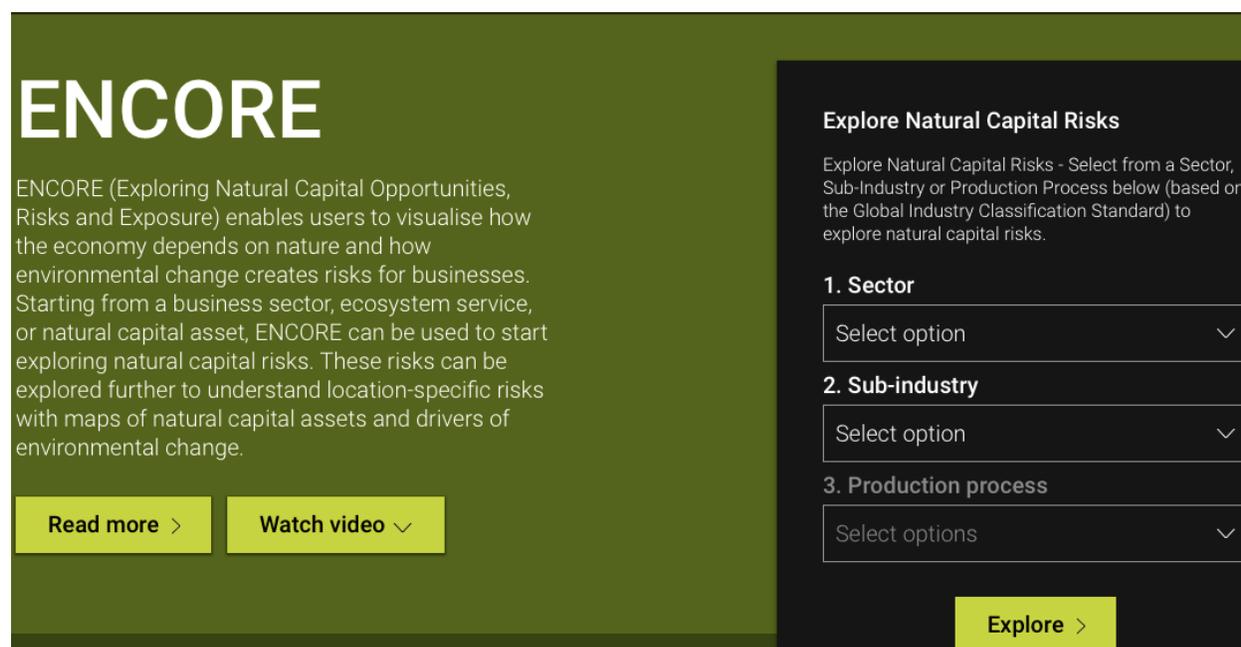
27. ENCORE (Exploring Natural Capital Opportunities, Risks and Exposure)

Type of tool: Platform, Datasets, Finance

Organization: Natural Capital Finance Alliance (NCFA), UN Environment World Conservation Monitoring Centre (UNEP-WCMC), MAVA Foundation, Swiss State Secretariat for Economic Affairs (SECO)

Description: ENCORE is an online tool that enables users to visualize how the economy depends on nature and how environmental change creates risks for businesses. Starting from a business sector, ecosystem service, or natural capital asset, ENCORE can be used to start exploring natural capital risks.

Website: <https://encore.naturalcapital.finance/en>



ENCORE

ENCORE (Exploring Natural Capital Opportunities, Risks and Exposure) enables users to visualise how the economy depends on nature and how environmental change creates risks for businesses. Starting from a business sector, ecosystem service, or natural capital asset, ENCORE can be used to start exploring natural capital risks. These risks can be explored further to understand location-specific risks with maps of natural capital assets and drivers of environmental change.

[Read more >](#) [Watch video v](#)

Explore Natural Capital Risks

Explore Natural Capital Risks - Select from a Sector, Sub-Industry or Production Process below (based on the Global Industry Classification Standard) to explore natural capital risks.

- 1. Sector**
Select option v
- 2. Sub-industry**
Select option v
- 3. Production process**
Select options v

[Explore >](#)

28. Enhancing National Determined Contributions Through Protected Areas

Type of tool: Guideline document

Organization: WWF

Description: This paper is a review of the currently available Nationally Determined Contributions to assess the extent of Parties' use of protected and other conserved areas for adaptation and mitigation benefits, to identify promising approaches and gaps. Findings were used to develop recommendations for Parties to enhance the role of protected areas in their revised NDCs for submission to the UNFCCC in 2020 and beyond.

Website: <https://www.worldwildlife.org/publications/enhancing-nationally-determined-contributions-through-protected-areas>

Enhancing Nationally Determined Contributions through Protected Areas

DATE:
May 23, 2019

THIS PUBLICATION RELATES TO:
Climate

 Share 28 

Nationally Determined Commitments (NDCs) to the United Nations Framework Convention on Climate Change (UNFCCC) 2015 Paris Agreement underscore the role protected areas and other conserved areas play in reaching global mitigation and adaptation targets. With financial support from the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU), WWF US reviewed 151 currently available NDCs to determine how Parties intend to utilize protected areas to contribute to their adaptation and mitigation commitments.



29. Evidence Map

Type of tool: Knowledge Platform

Organization: University of Oxford

Description: An interactive evidence map linking nature-based solutions to adaptation outcomes based on a systematic review of the peer-reviewed literature.

Website: <https://www.naturebasedsolutionsinitiative.org/evidence-map/>

The screenshot displays the Evidence Map web application. At the top, a navigation bar includes links for Home, About, Knowledge, Policy Platform, Team, News & Events, and Join Us. The main content area features a 'Features' section with five numbered steps: 1. explore evidence on how effective different nature-based interventions are for addressing climate change impacts; 2. compare social, economic, and environmental effects of different nature-based interventions; 3. filter by region, country, biome, or type of outcome; 4. generate maps, graphs and download data; 5. directly link from science to national climate policy. Below this, a paragraph states: 'This free tool will help decision makers working at the nexus of climate change, conservation and development planning rapidly find evidence most relevant to them, including evidence that should underpin target setting in climate policy. It will also enhance our understanding of the effectiveness of nature-based solutions, including greater clarity on what research is urgently needed.'

Overlaid on the right side is a 'Habitat type (16)' filter dropdown menu. It includes a 'Filter values' input field, 'Select All' and 'Select None' buttons, and a list of habitat types with checkboxes and counts: Aquatic production/artificial landscapes (3), Boreal forests and taiga (3), Coastal (17), Coral reefs (4), Deserts and xeric shrublands (6), Habitat type not specified (8), Mangroves (6), Mediterranean shrublands (3), Montane/Alpine (20), and Streams and rivers (27). 'Apply' and 'Cancel' buttons are at the bottom of the menu. The background shows parts of other filter menus for 'Effect of NbS', 'Social Outcom', and 'Country'.

30. Ex-Ante Carbon-balance Tool (EX-ACT)

Type of tool: Assessment

Organization: FAO

Description: This system provides ex ante estimates of the impact of land use and land-use changes, and natural resource management on GHG emissions and carbon balance. EX-ACT is a powerful tool that can ensure agricultural investments are climate-proofed.

Website: <http://www.fao.org/tc/exact/carbon-balance-tool-ex-act/en/>

The screenshot displays the website for the EX-ACT tool. On the left is the FAO logo and navigation menu. The main content area features a diagram titled "Main characteristics of the tool" centered around "EASYPol". The diagram includes a flowchart for the tool's standard edition (Start, Description, Land Use Change, Crop production, Grassland Livestock, Land degradation, Inputs Investments) and several key features: "Upgradable over time", "User friendly in six easy steps", "Adapted to various scales (project, landscape, region, farm...)", "Familiar Excel environment", "Cost efficient", and "Moderate data requirements". On the right, a "Download:" section offers "EX-ACT tool: Version 7 (.xlsx)" and "EX-ACT: Multilingual!". A small thumbnail of the tool's interface is also visible.

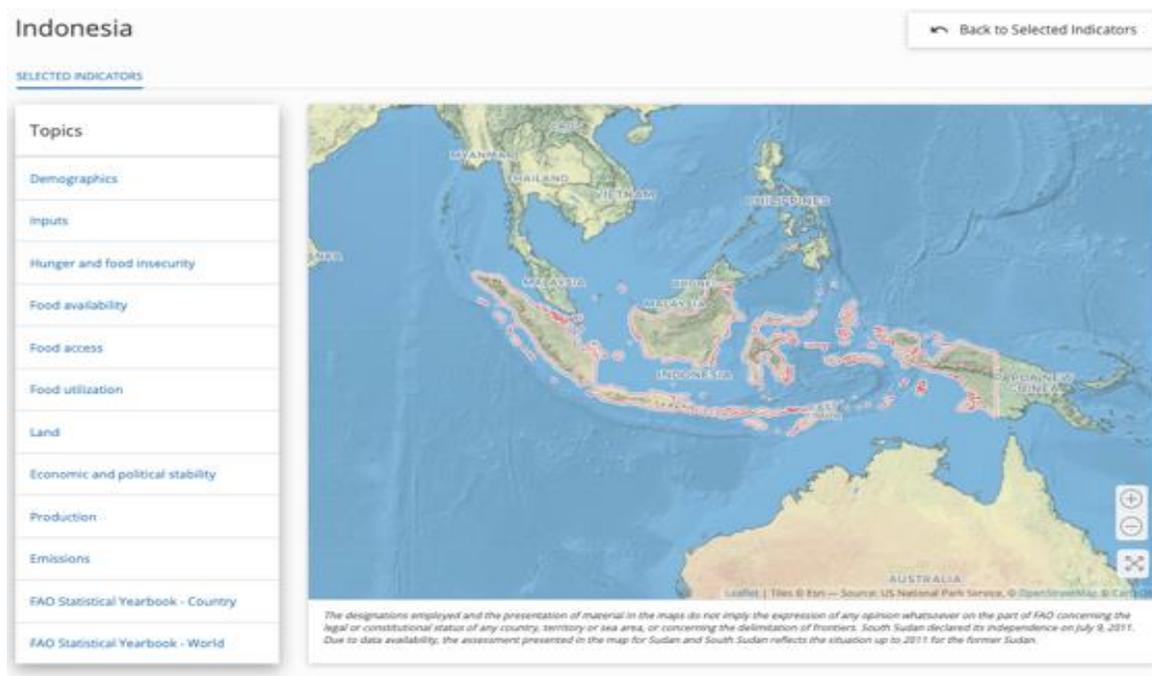
31. FAOSTAT

Type of tool: Dataset

Organization: FAO

Description: FAOSTAT provides free access to food and agriculture data for over 245 countries and territories and covers all FAO regional groupings from 1961 to the most recent year available. It offers data regarding agri-environmental indicators, production, emissions, land use, forestry, population, etc.

Website: <http://www.fao.org/faostat/en/#home>



32. Financing Solutions for Sustainable Development: Payment for Ecosystem Services

Type of tool: Knowledge Platform, Finance

Organization: UNDP

Description: The website is a compass to navigate across financing solutions: an intelligent database that describes their potential, advantages, disadvantages, risks and characteristics. It profiles case studies and refers to multiple external sources, including e-learning and advanced guidance material, where available. The development of the domestic financial sector and the integration of local, national, regional and international markets have increased the number of options the public and private sector can choose from to advance investments in SDG sectors. The toolkit helps to search among those financing solutions.

Website:

<https://www.sdfinance.undp.org/content/sdfinance/en/home/solutions/payments-for-ecosystem-services.html>

The screenshot shows the UNDP website interface. At the top left is the UNDP logo with the text 'GLOBAL Financing Solutions for Sustainable Development'. To the right are navigation links: 'ABOUT US', 'HOW TO USE THE PLATFORM', 'GLOSSARY', and 'SOLUTIONS'. Below the navigation is a breadcrumb trail: 'Home / Solutions / Payments for ecosystem services'. The main heading is 'Payments for ecosystem services', followed by a row of seven SDG icons: 1 (People), 3 (Good Health and Well-being), 5 (Gender Equality), 6 (Clean Water and Sanitation), 13 (Climate Action), 14 (Life Below Water), and 15 (Life on Land). Below this is a sidebar with 'Overview' and two links: 'How does it work?' and 'When is it feasible?'. The main content area has an 'Overview' section with the text: 'Payments for ecosystem services (PES) occur when a beneficiary or user of an ecosystem service make indirect payment to the provider of that service. The idea is that whoever preserves or maintains an ecosystem service should be paid for doing so.' Below this is the text: 'Key words: PES; payments for conservation; water PES; wetland PES'.

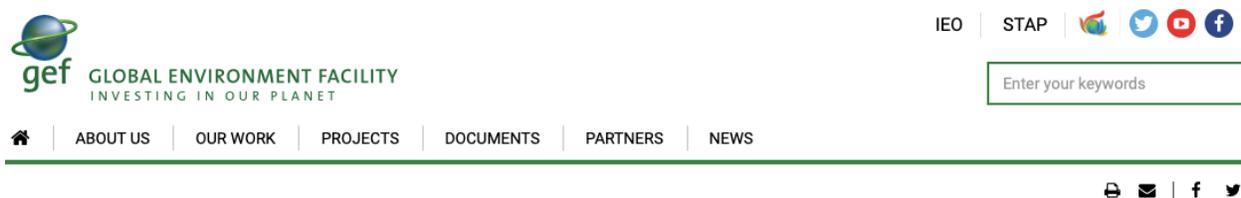
33. GEF Country Profiles

Type of tool: Dataset

Organization: Global Environment Facility (GEF)

Description: Browse for GEF Projects via the map or search by keyword. Each country profile outlines number of GEF Projects, funding amount, funding allocation use, and contact information.

Website: <https://www.thegef.org/country>



Country Profiles

Browse for GEF Projects via the map or search by keyword below.



GEF Overview

Number of Projects:
4646

GEF Grant Volume:
US\$ 16,414.46 million

Cofinancing:
US\$ 101,550.98 million

What do you want to know?

34. GEF Knowledge and Learning Projects (List of knowledge platforms)

Type of tool: Platform, Finance

Organization: Global Environment Facility (GEF)

Description: The GEF finances projects that underpin the generation and exchange of knowledge around global environmental issues. Knowledge generation and sharing are critical for GEF investments to achieve a lasting impact in safeguarding the global environment.

Website: <https://www.thegef.org/topics/knowledge-learning>

Knowledge & Learning

WHAT WE DO PROJECTS GEF ACADEMY EVENTS RESOURCES

What We Do

Knowledge is a primary asset of the GEF Partnership, and knowledge generation and sharing are critical for GEF investments to achieve a lasting impact in safeguarding the global environment.

The GEF finances project, programs and initiatives that underpin the generation and exchange of knowledge around global environmental issues, facilitating the capture, synthesis, transfer and uptake of this knowledge within and beyond the GEF Partnership.

- Knowledge & Learning
 - The Art of Knowledge Exchange
 - GEF Knowledge Days
 - Knowledge Exchange Stories
 - Kaleo
 - GEF Academy

The Art of Knowledge Exchange

GEF Knowledge Days

Knowledge Exchange Stories

GEF Online Ask the Expert tool

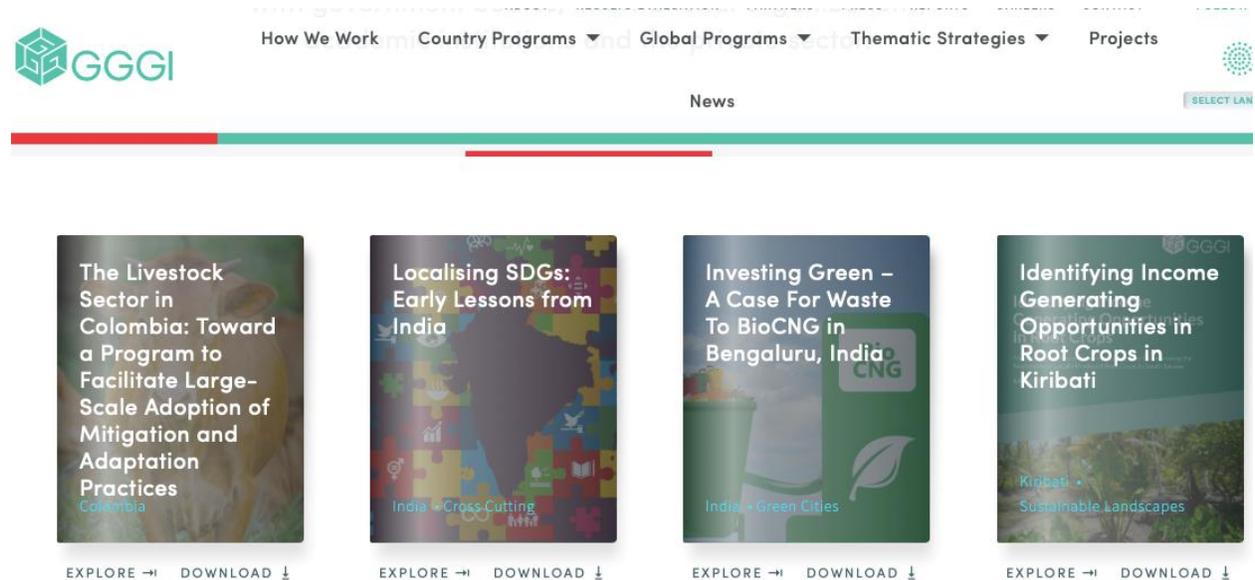
35. GGGI Library of Publication & Graphics

Type of tool: Knowledge Platform

Organization: Global Green Growth Institute (GGGI)

Description: A library of materials published by GGGI in partnership with governments, international organizations, academic institutions, and the private sectors. Highlighted thematic areas include: green cities, water and sanitation, sustainable landscapes, and sustainable energy. Reports include situational analysis for green municipal development, green development and green energy guidelines, case studies of GGGI's in-country work on topics such as green economies, resilience strategy, investment in ecosystem services, and more.

Website: <https://gghi.org/reports/>



The screenshot displays the GGGI website interface. At the top left is the GGGI logo. The navigation menu includes: How We Work, Country Programs, Global Programs, Thematic Strategies, and Projects. A 'News' section is visible below the menu. On the right, there is a 'SELECT LANGUAGE' button. Below the navigation, four report covers are displayed in a row, each with 'EXPLORE' and 'DOWNLOAD' options:

- The Livestock Sector in Colombia: Toward a Program to Facilitate Large-Scale Adoption of Mitigation and Adaptation Practices** (Colombia)
- Localising SDGs: Early Lessons from India** (India • Cross Cutting)
- Investing Green – A Case For Waste To BioCNG in Bengaluru, India** (India • Green Cities)
- Identifying Income Generating Opportunities in Root Crops in Kiribati** (Kiribati • Sustainable Landscapes)

36. Global Alliance For Climate-Smart Agriculture

Type of tool: Platform

Organization: FAO

Description: GACSA's functions as a clearing house mechanism on knowledge and inspires the development and dissemination of innovative, evidence-based options for climate-smart agriculture. The alliance also catalyzes and helps create transformational partnerships and create the mechanisms for the voluntary sharing of information and experience.

Website: <http://www.fao.org/gacsa/en/>



The screenshot shows the GACSA website header with the logo and navigation menu. Below the header is a news article titled "GACSA welcomes new Coordinator Simon Leiva". The article text reads: "The Global Alliance for Climate Smart Agriculture Facilitation Unit welcomes a new Coordinator and he tells us about his first impressions, GACSA's greatest value and what's next in a recent interview." Below the article is a "GACSA Newsletter Sign-Up" button. At the bottom left, there is a small text box stating: "GACSA is an inclusive, voluntary and action-oriented multi-stakeholder platform on Climate-Smart Agriculture (CSA)."

GACSA
GLOBAL ALLIANCE FOR CLIMATE-SMART AGRICULTURE

English

Home About Members Action Groups Webinars Annual Forum News Events Resources Join GACSA

Simon Leiva
Coordinator of GACSA
Facilitation Unit

Hans Hoogeweg

GACSA GLOBAL ALLIANCE FOR CLIMATE-SMART AGRICULTURE
GACSA ANNUAL FORUM 2019
19-20 SEP 2019

GACSA welcomes new Coordinator Simon Leiva
The Global Alliance for Climate Smart Agriculture Facilitation Unit welcomes a new Coordinator and he tells us about his first impressions, GACSA's greatest value and what's next in a recent interview.

GACSA is an inclusive, voluntary and action-oriented **multi-stakeholder platform on Climate-Smart Agriculture (CSA)**.

GACSA Newsletter Sign-Up

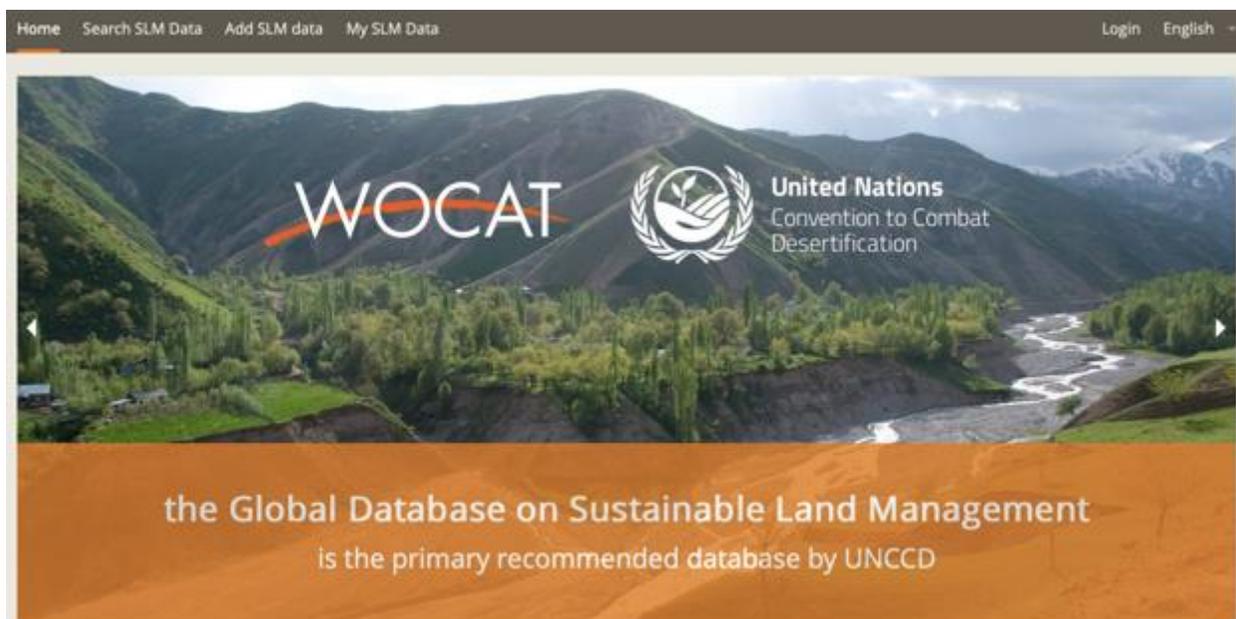
37. Global Database on Sustainable Land Management

Type of tool: Database, Platform

Organization: World Overview of Conservation Approaches and Technologies (WOCAT)

Description: The Global Database on Sustainable Land Management is the primary recommended database by UNCCD. It is open access and contains more than 800 SLM practices.

Website: <https://www.wocat.net/library/media/18/>



38. Global Forest Resources Assessments

Type of tool: Platform, Assessment, Guideline documents

Organization: FAO

Description: FRA 2015 is the most comprehensive assessment of forests to date. It examines the status and recent trends for about 100 variables covering the extent, condition, use, and value of forests and other wooded land. Additionally, FAO assists countries to strengthen their national forest monitoring systems. Such data provide a basis for identifying vulnerability to climate change and assessing progress in adaptation and mitigation.

Website: www.fao.org/forest-resources-assessment

Food and Agriculture Organization of the United Nations

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Global Forest Resources Assessments

Background Past assessments Documents Remote Sensing

GLOBAL FOREST RESOURCES ASSESSMENT (FRA) 2020

FRA 2020 reporting started at a global technical meeting of FRA National Correspondents from more than 100 countries and territories, held on 5-9 March 2018 in Toluca, Mexico. A new innovative online platform has been developed to make reporting both easier and more transparent and FRA National Correspondents were trained at the Toluca technical meeting in how to use the platform. The meeting has been organized in collaboration with the Comisión Nacional Forestal (CONAFOR) of Mexico with financial support from the European Union and Finland. The proceedings of the meeting are now available here.

Why do we need FRA?

FAO Global Forest Resources Assessment (FRA) provides essential information for understanding the extent of forest resources, their condition, management and uses.

Forests are more than trees and fundamental for food security and improved livelihoods. They contribute

Highlights

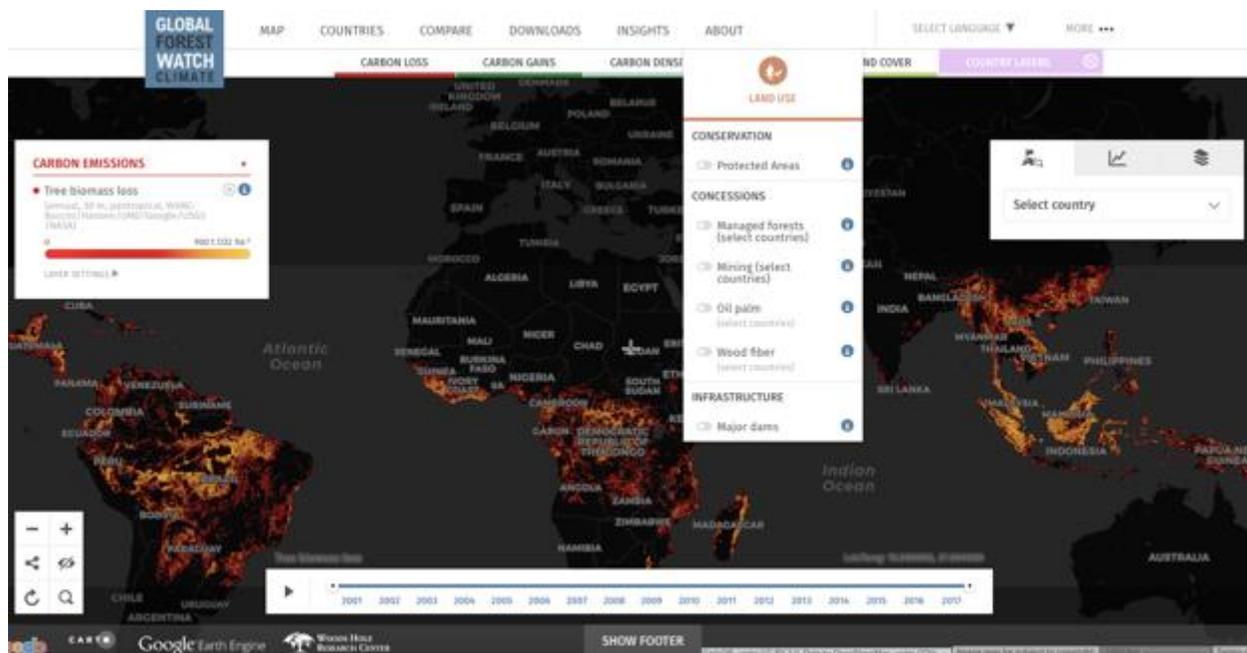
39. Global Forest Watch Climate Map

Type of tool: Spatial datasets

Organization: Global Forest Watch (partnership of organizations)

Description: GFW Climate provides interactive and high resolution (30 meter) maps of both the carbon stored in forests and the carbon dioxide emitted to the atmosphere when forests are cleared. It also offers a customized user experience through the creation of on-the-fly maps and analysis, interactive country dashboards, customized reports and data downloads. At this time, GFW Climate focuses only on estimating emissions from tropical deforestation.

Website:http://climate.globalforestwatch.org/map/3/15.00/27.00/ALL/dark/biomass_loss?begin=2001-11-10&end=2018-01-01&threshold=30



40. Global Forest Watch Map

Type of tool: Platform, Spatial datasets

Organization: Global Forest Watch (partnership of organizations)

Description: Global Forest Watch (GFW) is an online platform that provides data and tools for monitoring forests. By harnessing cutting-edge technology, GFW allows anyone to access near real-time information about where and how forests are changing around the world.

Website: <https://www.globalforestwatch.org/map?map=eyJjZW50ZXliOmsibGF0IjoyNywi bG5nljoxMn0slmJIYXJpbmciOjAsInBpdGNoljowLCJ6b29tljoyfQ%3D%3D>



41. Global Information and Early Warning System on Food and Agriculture (GIEWS)

Type of tool: Spatial datasets

Organization: FAO

Description: The GIEWS monitors the condition of major foodcrops across the globe to assess production prospects. To support the analysis and supplement ground-based information, GIEWS utilizes remote sensing data that can provide a valuable insight on water availability and vegetation health during the cropping seasons.

Website: <http://www.fao.org/giews/earthobservation/index.jsp>

The screenshot displays the 'Earth Observation' section of the GIEWS website. At the top right is the 'GIEWS' logo. Below it is a navigation menu with tabs for 'Seasonal Global Indicators', 'Global Indicators', 'Country Indicators', 'Partners', 'Reference', and 'Country-level ASIS'. The main content area features a paragraph describing the GIEWS system, followed by a note about the Agricultural Stress Index System (ASIS) winning the 2016 Geospatial World Excellence Award. A 'Latest Update: Dekad 1 Sep 2019' is displayed. Below this is a 'Global' section with a 'NDVI Anomaly' map. The map shows global vegetation health with a color scale from red (low) to green (high). To the right of the map is a 'Seasonal Global Indicators' sidebar with buttons for 'Agricultural Stress Index', 'Drought Intensity', 'Global Indicators', 'NDVI Anomaly', 'Vegetation Condition Index', 'Vegetation Health Index', 'Estimated Precipitation', and 'Precipitation Anomaly'. The map includes a legend for 'Difference to LA' with categories: < -75%, < -50%, < -25%, normal, > 25%, > 50%, > 75%, missing, clouds, and snow. Metadata for the NDVI anomaly map is provided at the bottom left of the map area.

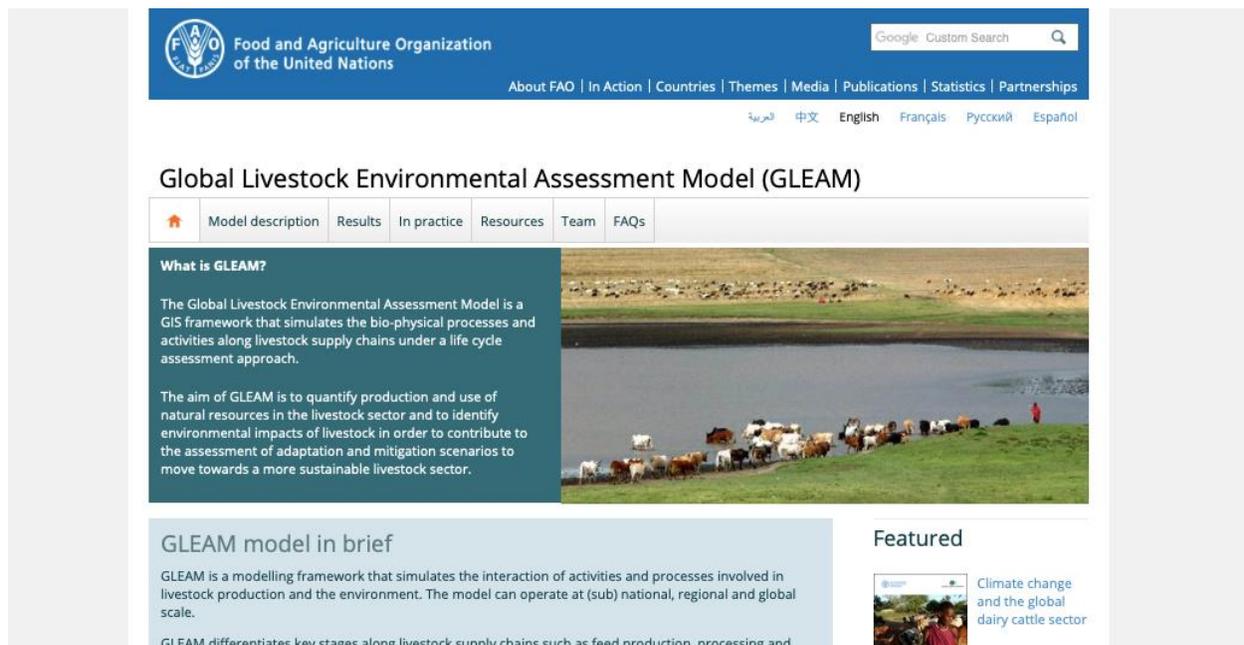
42. Global Livestock Environmental Assessment Model

Type of tool: Assessment, Guidelines

Organization: FAO

Description: GLEAM is a modelling framework that simulates the interaction of activities and processes involved in livestock production and the environment. The model can operate at (sub) national, regional and global scale.

Website: <http://www.fao.org/gleam/en/>



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Global Livestock Environmental Assessment Model (GLEAM)

Home Model description Results In practice Resources Team FAQs

What is GLEAM?

The Global Livestock Environmental Assessment Model is a GIS framework that simulates the bio-physical processes and activities along livestock supply chains under a life cycle assessment approach.

The aim of GLEAM is to quantify production and use of natural resources in the livestock sector and to identify environmental impacts of livestock in order to contribute to the assessment of adaptation and mitigation scenarios to move towards a more sustainable livestock sector.

GLEAM model in brief

GLEAM is a modelling framework that simulates the interaction of activities and processes involved in livestock production and the environment. The model can operate at (sub) national, regional and global scale.

GLEAM differentiates key stages along livestock supply chains such as feed production, processing and

Featured

Climate change and the global dairy cattle sector

43. Global Support Programme

Type of tool: Platform, Toolkit

Organization: UNEP, UNDP, GEF

Description: GSP provides support to non-Annex I Parties in order to prepare National Communications (NCs) and Biennial Update Reports (BURs) that are submitted to the UNFCCC. Parties will be provided technical backstopping, tools and targeted guidance, as well as training, to carry out the preparation of these reports. Site includes tools & guides, and guidance documents, as well country and regional profiles.

Website: <http://www.un-gsp.org>



The screenshot shows the homepage of the Global Support Programme (GSP) website. At the top is a dark navigation bar with a home icon, menu items for 'About GSP', 'Country Data', 'Experts', 'News and articles', 'Events', 'Topics', 'Best practices', and 'Resources', and icons for email and search. Below the navigation bar are the logos for the Global Support Programme, UNDP (with the tagline 'Empowered lives. Resilient nations.'), UN Environment, and GEF. The main content area features a large image of a smiling woman in a blue headscarf and red gloves carrying a large black pot on her head. Overlaid on the bottom left of this image is a text box with the heading 'Supporting national plans of adaptation' and the subtext 'Identifying vulnerabilities from each country is key to mitigate the effects of climate change', with a 'Read more >' button. On the right side of the main image area, there is a dark green sidebar with the heading 'UPCOMING EVI' and the text 'No events available', with a 'View all >' button.

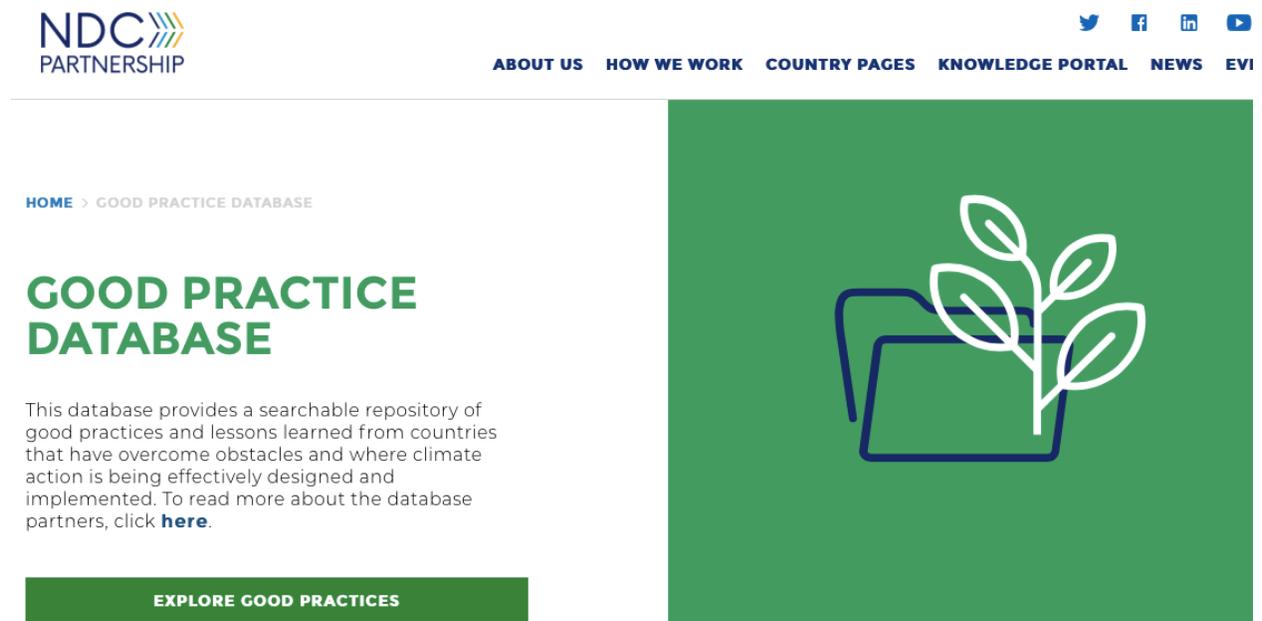
44. Good Practice Database

Type of tool: Knowledge Platform,

Organization: NDC Partnership

Description: This database provides a searchable repository of good practices and lessons learned from countries that have overcome obstacles and where climate action is being effectively designed and implemented.

Website: <http://ndcpartnership.org/good-practice-database>



NDC PARTNERSHIP

[ABOUT US](#) [HOW WE WORK](#) [COUNTRY PAGES](#) [KNOWLEDGE PORTAL](#) [NEWS](#) [EVI](#)

[HOME](#) > GOOD PRACTICE DATABASE

GOOD PRACTICE DATABASE

This database provides a searchable repository of good practices and lessons learned from countries that have overcome obstacles and where climate action is being effectively designed and implemented. To read more about the database partners, click [here](#).

[EXPLORE GOOD PRACTICES](#)

45. Good Practice Guidance for Land Use, Land-Use Change and Forestry

Type of tool: Guideline documents

Organization: IPCC

Description: GPG-LULUCF provides supplementary methods and good practice guidance for estimating, measuring, monitoring and reporting on carbon stock changes and greenhouse gas emissions from LULUCF activities

Website: <https://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.html>

The screenshot shows the IPCC website interface. At the top, it features the 'Task Force on National Greenhouse Gas Inventories' and the IPCC logo with the text 'INTERGOVERNMENTAL PANEL ON climate change'. Below this is a navigation menu on the left with options like 'Home IPCC', 'IPCC-TFI Home', 'Organization', 'Publications', and various reports. The main content area is titled 'Publications' and highlights 'Good Practice Guidance for Land Use, Land-Use Change and Forestry'. It includes a 'Language versions:' table with links for English, Arabic, Chinese, French, Russian, and Spanish. There is also a 'Get Adobe Reader' button and a red box containing the report cover image. To the right of the cover, there is a detailed description of the report's purpose and its relation to the Kyoto Protocol. At the bottom of the page, there is a small text block stating: '12 of the Kyoto Protocol. The GPG-LULUCF assists countries in producing inventories for the land use, land-use change and forestry sector that are neither over- nor underestimates so far as can be judged, and in which uncertainties are reduced as far as'.

Task Force on National Greenhouse Gas Inventories

ipcc
INTERGOVERNMENTAL PANEL ON climate change

WHO UNEP

IPCC web sites

Publications

Good Practice Guidance for Land Use, Land-Use Change and Forestry

To download English PDF files and software (IPCC tool), click [here](#).
Other language versions are [here](#).

Language versions:

English	Arabic, Chinese, French, Russian, Spanish
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Get Adobe Reader

Good Practice Guidance for Land Use, Land-Use Change and Forestry

This report on *Good Practice Guidance for Land Use, Land-Use Change and Forestry (GPG-LULUCF)* is the response to the invitation by the United Nations Framework Convention on Climate Change (UNFCCC) to the Intergovernmental Panel on Climate Change (IPCC) to develop good practice guidance for land use, land-use change and forestry (LULUCF). GPG-LULUCF provides supplementary methods and good practice guidance for estimating, measuring, monitoring and reporting on carbon stock changes and greenhouse gas emissions from LULUCF activities under Article 3, paragraphs 3 and 4, and Articles 6 and 12 of the Kyoto Protocol. The GPG-LULUCF assists countries in producing inventories for the land use, land-use change and forestry sector that are neither over- nor underestimates so far as can be judged, and in which uncertainties are reduced as far as

46. Green Finance for Latin America and the Caribbean Platform (GFL)

Type of tool: Platform

Organization: GFL

Description: The Green Finance for Latin America and the Caribbean Platform (GFL) is a knowledge exchange Platform that has been developed to support National Development Banks (NDBs) and other institutional players in the financial market to share knowledge and information on green finance. The GFL Platform showcases the latest trends and practices in developing and promoting green finance strategies and innovative risk-sharing mechanisms to scale up private investments in environmentally friendly businesses in different sectors, including energy, manufacturing, housing, transport, agriculture, forestry and services.

Website: <https://www.greenfinancelac.org/projects-map/>



The screenshot displays the GFL website interface. At the top left is the GFL logo, a colorful geometric shape composed of triangles in green, orange, red, blue, and purple. To its right, the text reads "GFL Green Finance for Latin America and the Caribbean" and "Promoting Sustainable Instruments for Development". Below this is a green navigation bar with links: Home, About us, Our Initiatives, Resources, Projects Map, Events, News, Related Initiatives, LAB, Contact us, Log In, and a search box labeled "Enter your search".

Below the navigation bar, there are two main sections. On the left is a filter panel with three sections: "COUNTRY" with a "Select" dropdown, "BENEFICIARY NAME" with a "Select" dropdown, and "PROGRAM" with two radio button options: "ESI" (with a blue triangle icon) and "ESRM" (with an orange triangle icon). On the right is a map of Latin America and the Caribbean region, showing various countries with colored triangles (green, orange, blue, red) indicating project locations. Labels on the map include Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Venezuela, Cuba, Dominican Republic, and Puerto Rico. The Gulf of Mexico and Caribbean Sea are also labeled.

47. Green Growth Knowledge Platform

Type of tool: Knowledge Platform

Organization: OECD, World Bank, UNEP

Description: The Green Growth Knowledge Platform (GGKP) is a global network of international organizations and experts that identifies and addresses major knowledge gaps in green growth theory and practice. By encouraging widespread collaboration and world-class research, the GGKP offers practitioners and policymakers the policy guidance, good practices, tools, and data necessary to support the transition to a green economy.

Website: <https://www.greengrowthknowledge.org>

The screenshot shows the homepage of the Green Growth Knowledge Platform. At the top left is the logo "GREEN GROWTH Knowledge Platform". To the right is a navigation menu with links: "About GGKP", "Working Groups", "Insights", "Webinars", "Events", "News & Jobs", and a "Set" button. Below this is a dark blue navigation bar with white text links: "EXPLORE GREEN GROWTH", "SECTORS", "THEMES", "COUNTRIES", "PARTNERS", "SOLUTIONS", "DATABASES", and "SEARCH". The main content area features a large banner for the "GO for SDGs" initiative, which includes the text "Launch of the 'GO for SDGs' Initiative at SDG Summit" and a paragraph about the initiative's launch by UN Environment and the Permanent Mission of Germany to the UN. To the right of the banner are three smaller promotional tiles: "PRESS RELEASE" titled "GGKP Launches Green Industry Platform and Green at HLPF in New York", "Register Now" for the "GGKP Annual Conference 2019 on 'Achieving Global Energy'", and "GGKP Webinar" titled "Measuring V are fossil fu".

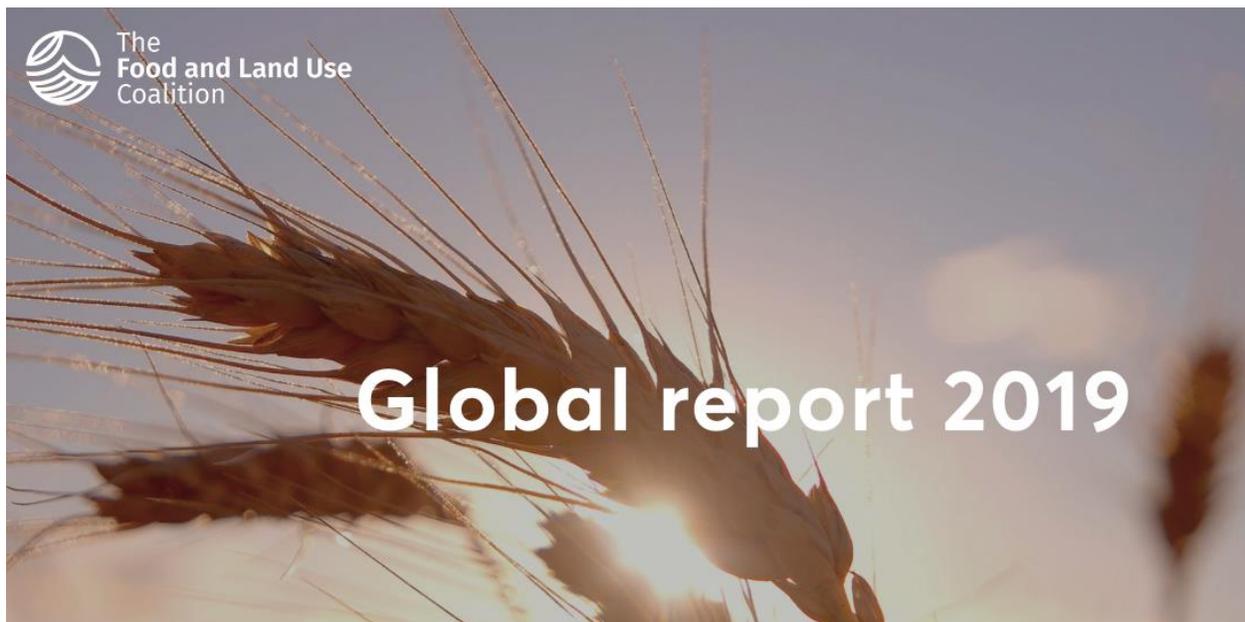
48. Growing Better: Ten Critical Transitions to Transform Food and Land Use

Type of tool: Guideline document

Organization: Food and Land Use Coalition (FOLU)

Description: The global report from the Food and Land Use Coalition (FOLU) proposes a reform agenda – centred around ten critical transitions – of real actionable solutions. These could deliver the needed change to boost progress towards the Sustainable Development Goals (SDGs) and the Paris Agreement, help mitigate the negative effects of climate change, safeguard biodiversity, ensure more healthy diets for all, drastically improve food security and create more inclusive rural economies.

Website: <https://www.foodandlandusecoalition.org/global-report/>



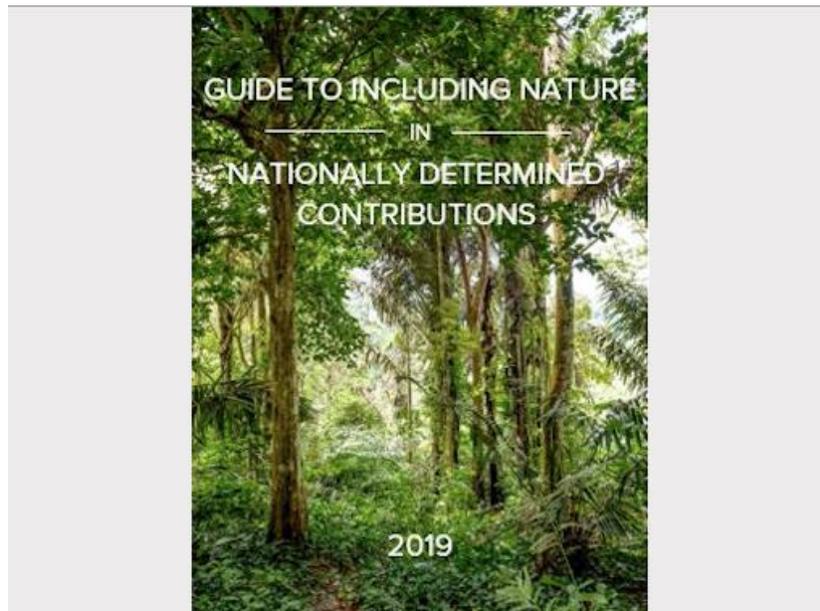
49. Guide to Including Nature in Nationally Determined Contributions

Type of tool: Guideline document

Organizations: Nature for Climate, Conservation International, The Nature Conservancy, Environmental Defense Fund, National Wildlife Federation, Land Use Knowledge Initiative, Climate Advisers

Description: Several environmental NGOs developed this checklist for including natural climate solutions in NDCs. The document is intended to support countries as they revise or update their NDCs to prioritize, integrate and implement climate action from nature as a pathway to increased ambition under the Paris Agreement.

Website: www.conservation.org/nature-in-ndcs



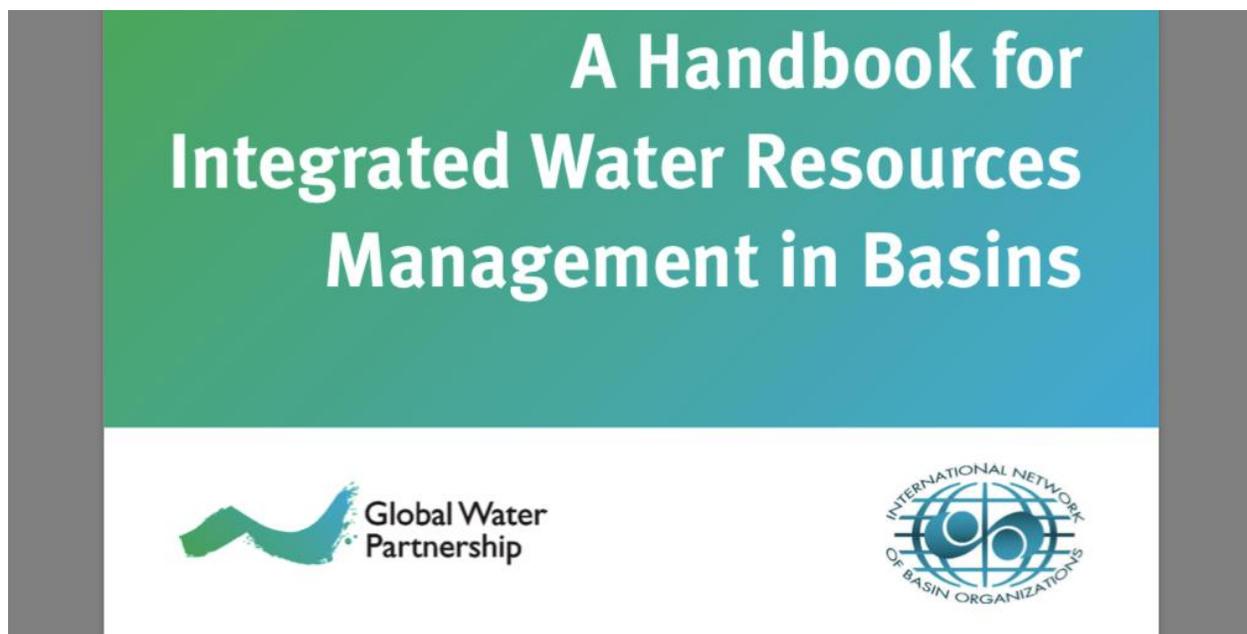
50. A Handbook for Integrated Water Resources Management in Basins

Type of tool: Guidance document

Organization: Global Water Partnership (GWP)

Description: The Handbook provides practical guidance for improving the governance of freshwater resources, in particular through effective application of the integrated water resources management (IWRM) approach in lake and river basins, and aquifers.

Website: <https://www.gwp.org/globalassets/global/toolbox/references/a-handbook-for-integrated-water-resources-management-in-basins-inbo-gwp-2009-english.pdf>



51. Increasing ambition & action on NDCs through FLR

Type of tool: Guideline document, Database

Organization: IUCN

Description: This in-depth analysis serves as a source of analytical information based on countries' political instruments, namely NDCs, for reflecting on current and potential climate ambition to contribute to achieving the Paris Agreement. The analysis is intended to trigger discussions on the opportunities to scale up climate action through forest landscape restoration.

Website: <https://infoflr.org/what-flr/increasing-ambition-and-action-ndcs-through-flr>

The screenshot shows the INFOFLR website interface. At the top left is the logo 'INFOFLR by IUCN'. To the right are navigation links: 'Home', 'What is FLR?' (highlighted in green), 'Bonn Challenge', and 'The Baro'. Further right are links for 'Case studies' and 'News'. Below the navigation is a breadcrumb trail: 'Home / What is FLR? /'. The main heading is 'INCREASING AMBITION AND ACTION ON NDCS THROUGH FLR'. On the left is a sidebar menu with 'What is FLR?' (highlighted in green) and other items: 'Types of FLR', 'Benefits of FLR', 'FLR tools', and 'ROAM'. The main content area contains a paragraph: 'While countries have broadly recognised the role of forests in climate change mitigation and adaptation in their Nationally Determined Contributions (NDCs), this ambition is not fully reflected in the targets they have set. As governments embark on the process of reviewing their NDCs, IUCN and Climate Focus conducted an in-depth analysis of the NDCs submitted by countries under the Paris'.

52. InforMEA

Type of tool: Knowledge Platform, e-Courses

Organization: UNEP

Description: This platform allows easy access to Multilateral Environmental Agreements and international environmental law. Users are able to search Treaty Texts and over 10,000 governing body decisions, internationally agreed goals and targets, and over 100,000 pieces of national legislation and jurisprudence. Users are also able to access a learning section with 25 free online courses (including topics such as international environmental law and chemicals and waste), party profiles (including national focal points), treaty profiles, and more.

Website: <https://www.informea.org>



Browse information by Environmental Topic:



Biological
diversity



Chemicals and
Waste



Climate and
Atmosphere



Environmental
Governance



Land and
Agriculture



Marine and
Freshwater

53. Initiative for Climate Action Transparency (ICAT) Guidance on Agriculture

Type of tool: Guideline document

Organization: ICAT

Description: The Agriculture Guidance supports the assessment of the GHG impacts of agricultural policies and actions. This guidance fills a gap in currently available guidance, which includes project-level agricultural GHG accounting, but does not include GHG accounting at the agricultural policy level.

Website: <https://climateactiontransparency.org/icat-guidance/agriculture-sector/>



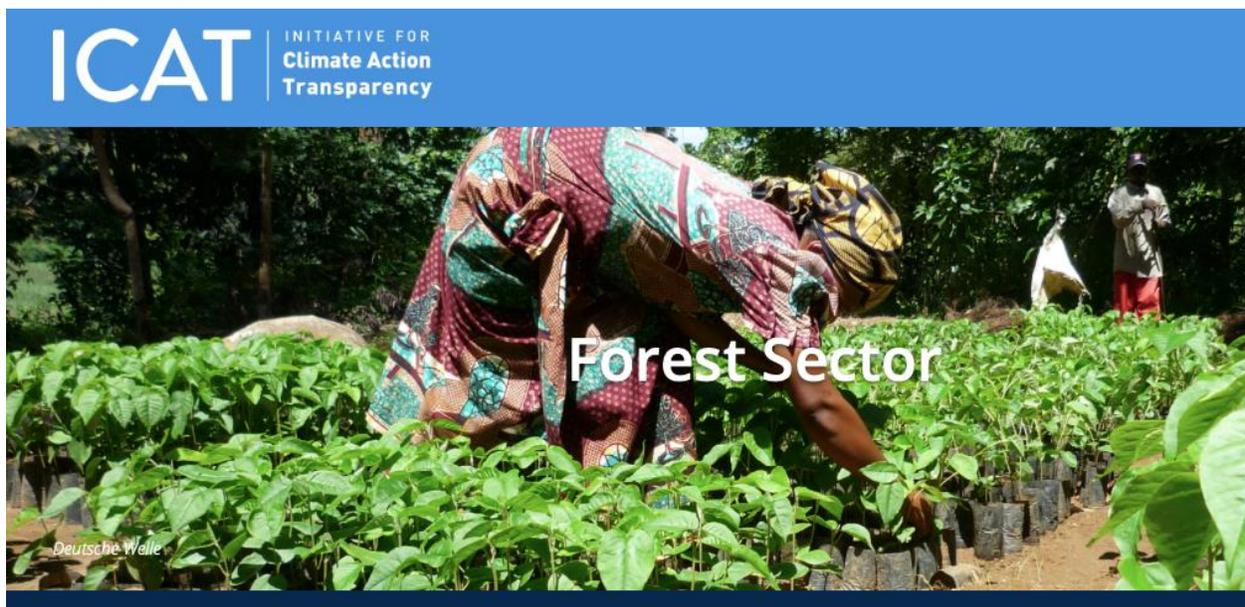
54. Initiative for Climate Action Transparency (ICAT) Guidance on Forests

Type of tool: Guideline documents

Organization: ICAT

Description: The Forest Guidance supports the assessment of GHG impacts for policies in the sector. Drawing from available guidance for GHG quantification at the national and project levels, this guidance aims to streamline and simplify GHG assessment for policy-level accounting.

Website: <https://climateactiontransparency.org/icat-guidance/forest-sector/>



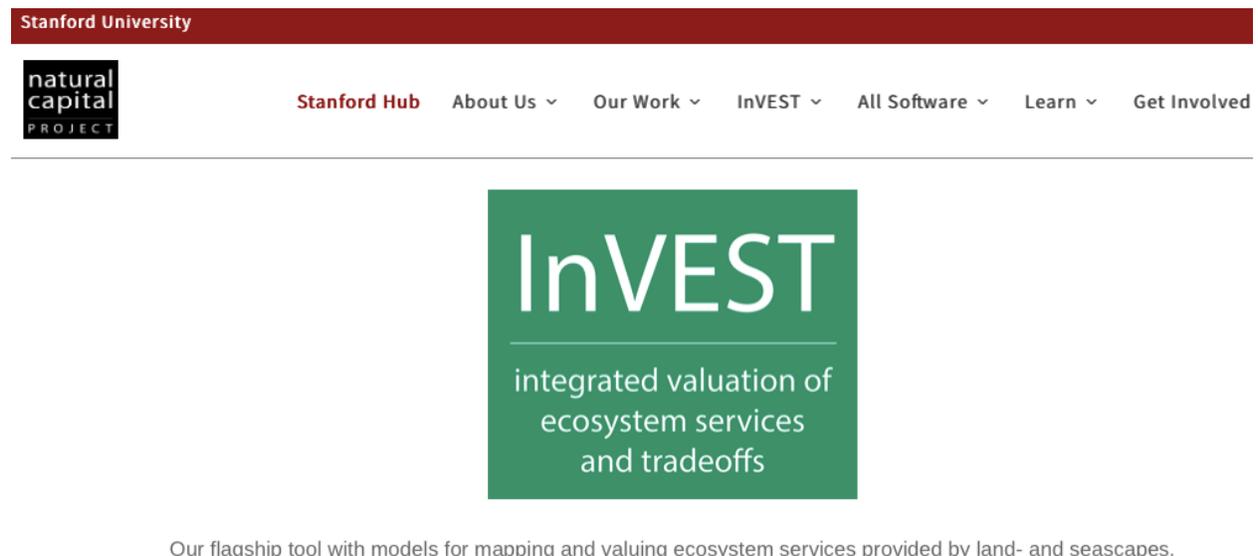
55. InVEST - Integrated Valuation of Ecosystem, Services and Tradeoffs

Type of tool: Technical Software, Spatial Datasets, Finance

Organization: Natural Capital Project

Description: InVEST is a suite of free, open-source software models used to map and value the goods and services from nature that sustain and fulfill human life. InVEST enables decision makers to assess quantified tradeoffs associated with alternative management choices and to identify areas where investment in natural capital can enhance human development and conservation. The toolset currently includes eighteen distinct ecosystem service models designed for terrestrial, freshwater, marine, and coastal ecosystems, as well as a number of “helper tools” to assist with locating and processing input data and with understanding and visualizing outputs.

Website: <https://naturalcapitalproject.stanford.edu/invest/#what-is-invest>



The screenshot shows the top portion of the InVEST website. At the top left, it says "Stanford University". Below that is the "natural capital PROJECT" logo. To the right of the logo is a navigation menu with the following items: "Stanford Hub", "About Us", "Our Work", "InVEST", "All Software", "Learn", and "Get Involved". Below the navigation menu is a large green square containing the text "InVEST" in large white letters, followed by "integrated valuation of ecosystem services and tradeoffs" in smaller white letters. Below the green square, there is a line of text: "Our flagship tool with models for mapping and valuing ecosystem services provided by land- and seascapes."

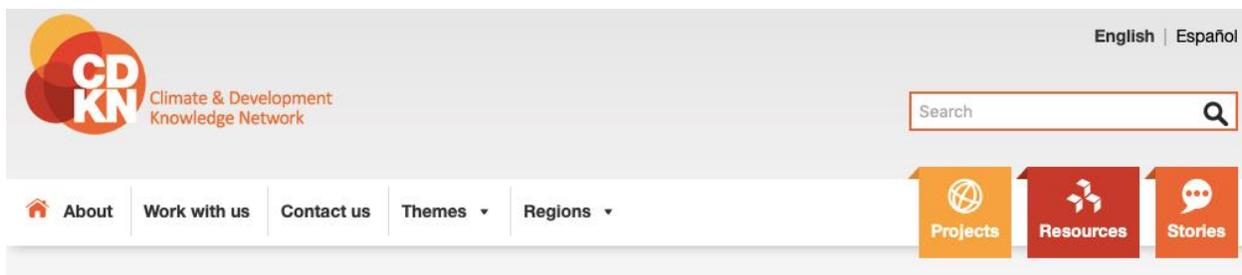
56. Knowledge Navigator

Type of tool: Knowledge Platform, Guidance

Organization: IDS Knowledge Services, CDKN

Description: The Knowledge Navigator widget is an online application that helps you to find and easily access selected climate change platforms. These platforms, or initiatives, host and link to material from more than one institution or source, and are distinct from an institutional website.

Website: https://cdkn.org/resources/?loclang=en_gb



Resources



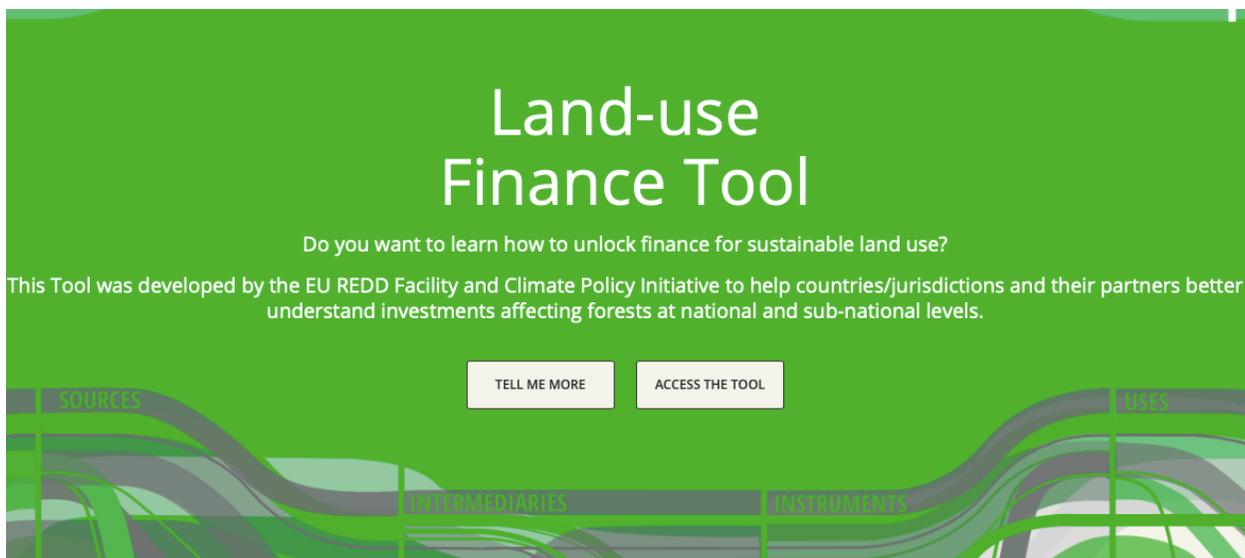
57. Land-use Finance Toolbox

Type of tool: Toolbox, Finance

Organization: EU REDD Facility, Climate Policy Initiative (CPI)

Description: The Land-Use Finance Toolbox is a set of guidelines, templates and training materials to analyze the life cycle of financial flows related to land-use. The toolbox builds the capacity of national stakeholders to analyze land-use finance and develop investment strategies, funding proposals and public-private partnerships.

Website: <https://landusefinance.org>



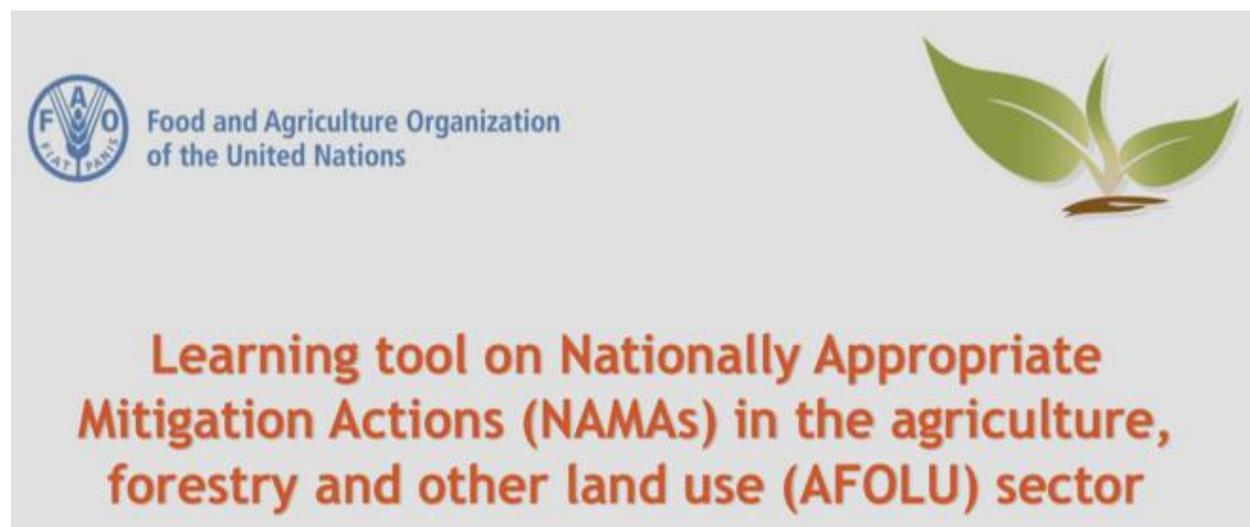
58. Learning tool on Nationally Appropriate Mitigation Actions (NAMAs) in the agriculture, forestry, and other land-use sectors.

Type of tool: Guideline

Organization: FAO

Description: Through this tool, FAO supports developing countries to identify, develop and implement NAMAs in the context of national sustainable development, thus contributing to national and global climate change mitigation goals.

Website: <http://www.fao.org/3/a-i4642e.pdf>



59. Livestock Environmental Assessment and Performance (LEAP) Partnership.

Type of tool: Platform, Assessment

Organization: FAO

Description: This multi-stakeholder partnership develops harmonized metrics and methodologies to measure environmental performance and GHG emissions in livestock supply chains.

Website: www.fao.org/partnerships/leap



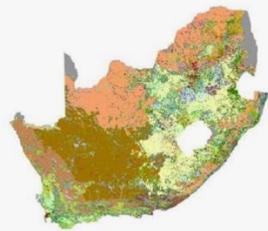
60. Mapping land management, degradation and conservation including driver, state and impacts

Type of tool: Assessment

Organization: World Overview of Conservation Approaches and Technologies (WOCAT)

Description: Tool for mapping land management, land degradation, and SLM, and assessing drivers, state of the land, and on- and off-site impacts (within a landscape, watershed, or region).

Website: <https://www.wocat.net/library/media/18/>

PDF	Word	
 Questionnaire for Mapping Land Degradation and Sustainable Land Management (English) 1.7 MB Download	 Questionnaire for Mapping Land Degradation and Sustainable Land Management (English) 2.7 MB Download	 <small>World Overview of Conservation Approaches and Technologies</small>    <small>Questionnaire for</small> Mapping Land Degradation and Sustainable Land Management. (QM) <small>VERSION 1.0</small>
 Questionnaire for Mapping Land Degradation and Sustainable Land Management (French) 593.0 KB Download	 Questionnaire for Mapping Land Degradation and Sustainable Land Management (French) 14.6 MB Download	
 Questionnaire for Mapping Land Degradation and Sustainable Land Management (Spanish) 652.0 KB Download	 Questionnaire for Mapping Land Degradation and Sustainable Land Management (Spanish) 17.0 MB Download	
 Questionnaire for Mapping Land Degradation and Sustainable Land Management (Arabic)	 Questionnaire for Mapping Land Degradation and Sustainable Land Management (Arabic)	

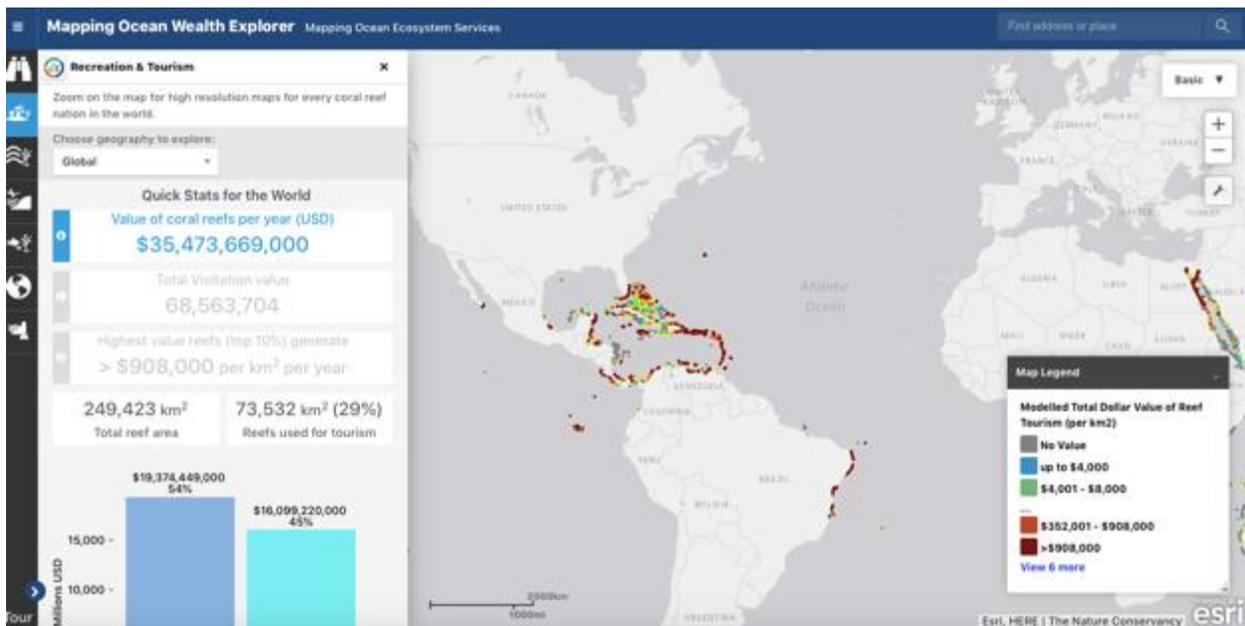
61. Mapping Ocean Health Explorer

Type of tool: Spatial datasets

Organization: The Nature Conservancy

Description: The Explorer offers sets of spatial data on ocean ecosystem services: economic value, carbon storage, climate adaptation, etc.

Website: <http://maps.oceanwealth.org>



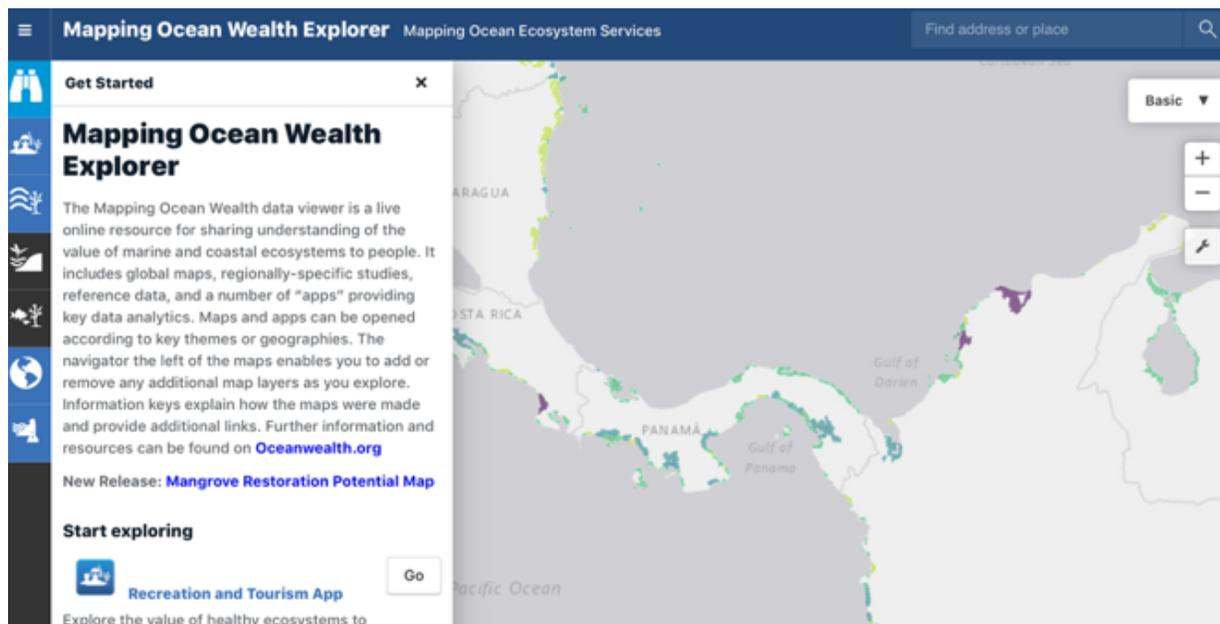
62. Mapping Ocean Wealth Explorer

Type of tool: Platform, Spatial Dataset

Organization: The Nature Conservancy

Description: The Mapping Ocean Wealth data viewer is a live online resource for sharing understanding of the value of marine and coastal ecosystems to people. It includes global maps, regionally-specific studies, reference data, and a number of “apps” providing key data analytics. Maps and apps can be opened according to key themes or geographies.

Website: <http://maps.oceanwealth.org>



63. Mapping to support REDD+ planning and secure multiple benefits: toolbox and tutorials for QGIS and ArcGIS

Type of tool: Toolkit, Guideline document

Organization: UNEP

Description: GIS training materials and tools have been developed for use in planning REDD+ activities that deliver multiple benefits. These resources are designed to assist technical staff to undertake spatial analysis to identify areas suitable for specific REDD+ policies and measures, and which are likely to yield multiple benefits.

Website: <https://www.unep-wcmc.org/resources-and-data/mapping-to-support-redd-planning-and-secure-multiple-benefits--toolbox-and-tutorials-for-qgis-and-arcgis>

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Mapping to support REDD+ planning and secure multiple benefits: toolbox and tutorials for QGIS and ArcGIS

Online Tool 2017

GIS training materials and tools have been developed for use in planning REDD+ activities that deliver multiple benefits. These resources are designed to assist technical staff to undertake spatial analysis to identify areas suitable for specific REDD+ policies and measures, and which are likely to yield multiple benefits. Materials have been developed for both QGIS (open-source) and ArcGIS software, according to the needs of individual partner countries. The materials continue to be developed and tested with country partners, with tutorial versions in other languages on the way.

STEP-BY-STEP TUTORIALS: USING SPATIAL INFORMATION TO SUPPORT DECISIONS ON SAFEGUARDS AND MULTIPLE BENEFITS FOR REDD+

(1) **Open-source: QGIS 1.8 and 2.8**

Open-source software is released under a license that allows software to be freely used, modified, and shared (<http://opensource.org/licenses>). Therefore, using open source software has great potential in building sustainable capacity and a critical mass of experts.

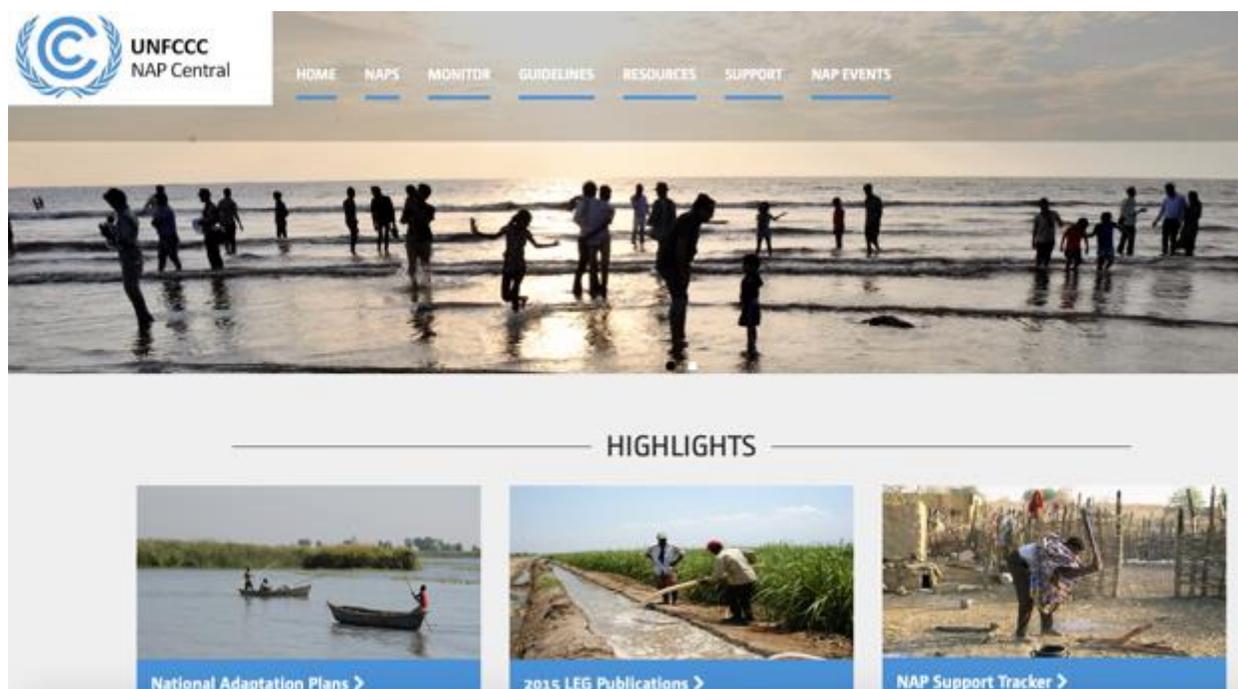
64. NAP Central

Type of tool: Knowledge platform, Assessments

Organization: UNFCCC

Description: NAP Central facilitates access to data, information and knowledge on adaptation assessment, planning and implementation to all relevant stakeholders in LDCs and other countries that are developing national adaptation plans.

Website: <http://www4.unfccc.int/nap/Pages/Home.aspx>



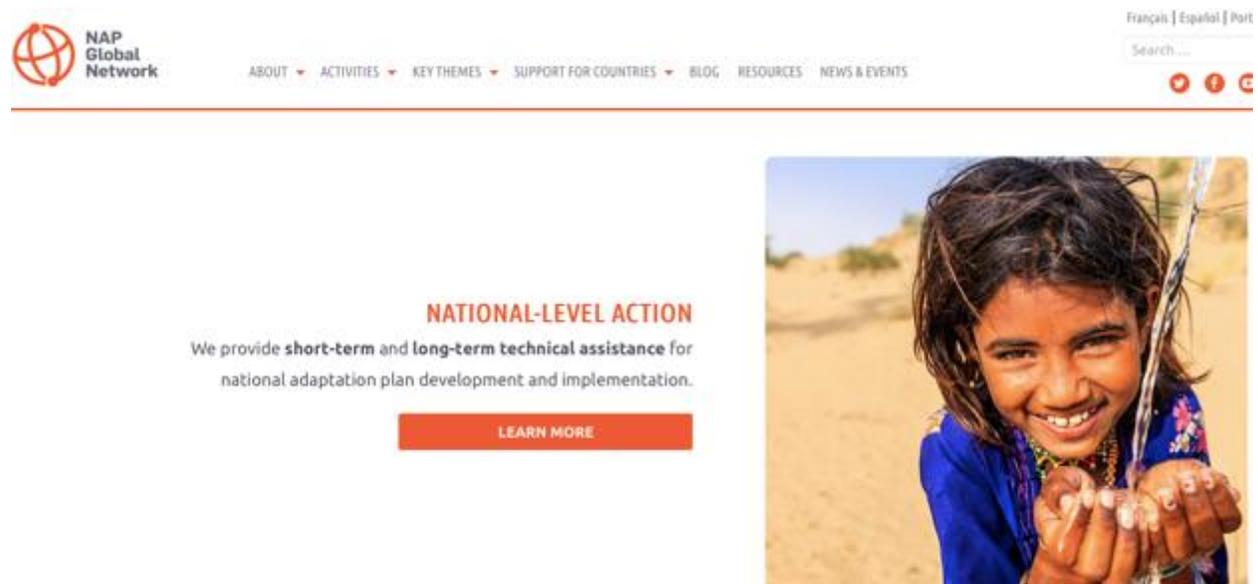
65. NAP Global Network

Type of tool: Knowledge platform, Toolbox

Organization: International Institute for Sustainable Development (IISD)

Description: The National Adaptation Plan (NAP) Global Network harnesses the collective knowledge and resources of governments, practitioners, donors and civil society to accelerate and scale up efforts in national adaptation planning and implementation. The platform provides access to reports and webinars related to financing, gender, bilateral support, M&E, NDC-NAP linkages, and adaptation.

Website: <https://www.transparency-partnership.net>



The screenshot shows the top navigation bar of the NAP Global Network website. On the left is the logo, which consists of a globe icon and the text "NAP Global Network". To the right of the logo is a horizontal menu with the following items: "ABOUT", "ACTIVITIES", "KEY THEMES", "SUPPORT FOR COUNTRIES", "BLOG", "RESOURCES", and "NEWS & EVENTS". In the top right corner, there are language options: "Français | Español | Port", a search bar with the placeholder text "Search...", and three social media icons for YouTube, Facebook, and Twitter.

NATIONAL-LEVEL ACTION

We provide **short-term** and **long-term technical assistance** for national adaptation plan development and implementation.

[LEARN MORE](#)



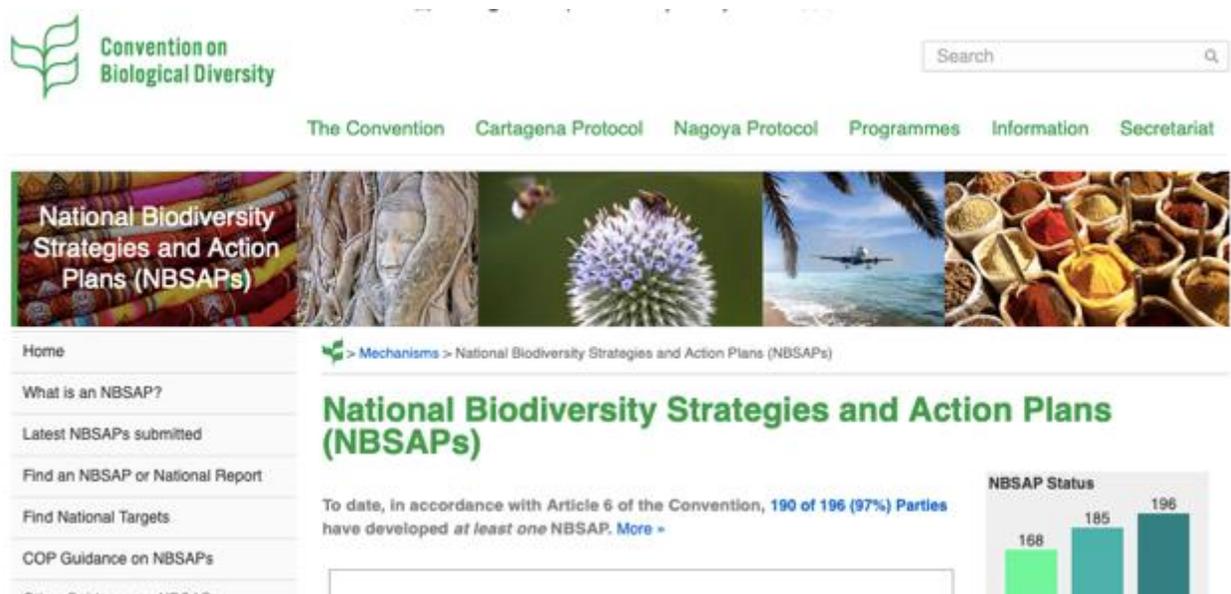
66. National Biodiversity Strategies and Action Plans

Type of tool: Website with key information

Organization: United Nations Convention on Biological Diversity

Description: In this website you can find all the National Biodiversity Strategies and Action Plans (NBSAPs)

Website: <https://www.cbd.int/nbsap/>



The screenshot shows the website for National Biodiversity Strategies and Action Plans (NBSAPs). The header includes the Convention on Biological Diversity logo and a search bar. The navigation menu lists: The Convention, Cartagena Protocol, Nagoya Protocol, Programmes, Information, and Secretariat. The main content area features a banner with the title 'National Biodiversity Strategies and Action Plans (NBSAPs)' and a bar chart titled 'NBSAP Status' showing the number of parties that have developed at least one NBSAP. The bar chart shows three bars with values 168, 185, and 196. Below the bar chart, the text states: 'To date, in accordance with Article 6 of the Convention, 190 of 196 (97%) Parties have developed at least one NBSAP. More »'.

NBSAP Status	Count
168	168
185	185
196	196

67. National Communication submissions from Non-Annex I Parties

Type of tool: Guideline documents

Organization: IPCC

Description: The in-depth review reports aim to facilitate the work of the COP in assessing the implementation of commitments by Annex I Parties. The reports also allow easier comparison of information between NCs of Parties, although no common indicators are employed.

Website: <https://unfccc.int/process/transparency-and-reporting/reporting-and-review-under-the-convention/national-communications-and-biennial-reports--annex-i-parties/international-assessment-and-review/review-reports>

The screenshot shows the top navigation bar of the United Nations Climate Change website. The logo is on the left, and search, language (EN), and social media icons are on the right. The main navigation menu includes Home, COP25, Process and meetings (selected), Topics, Calendar, Climate action, Documents and decisions, and About us. A secondary menu under 'Process and meetings' shows 'National Communication submissions' as the active page.

National Communication submissions from Non-Annex I Parties

Non-Annex I Parties are required to submit their first NC within three years of entering the Convention, and every four years thereafter. The NCs shall be prepared in accordance with the guidelines contained in decision [17/CP.18](#).

From 2017, the NCs shall be submitted using the [National Reports Submission Portal \(NRSP\)](#). Questions relating to the use of the submission portal should be addressed to reporting_nai@unfccc.int

- HOW TO SUBMIT
 - [NAI NC submission procedures](#)
- USEFUL LINKS
 - [Submitted Biennial Update Reports \(BURs\)](#)

68. National REDD+ Strategies and Actions

Type of tool: Website with key information

Organization: United Nations Framework Convention on Climate Change

Description: In this website you can find all the National REDD+ Strategies and Actions

Website: <https://redd.unfccc.int/fact-sheets/national-strategy.html>

The screenshot shows the 'REDD+ WEB PLATFORM' website. The navigation menu includes: HOME, FACT SHEETS (highlighted), SUBMISSIONS, INFO HUB, FORUM, MEETINGS, and CONTACT. The main content area is titled 'National strategy or action plan'. It contains three paragraphs of text and a link to 'Most relevant COP decisions: 1/CP.16, 9/CP.19'. Below this is a section titled 'Countries that provided a submission on this topic' with a list of countries: Argentina, Brazil, Cambodia, Chile, Colombia, Ecuador, India, Malaysia, Mexico, and Paraguay.

REDD+ WEB PLATFORM

HOME FACT SHEETS SUBMISSIONS INFO HUB FORUM MEETINGS CONTACT

National strategy or action plan

A national strategy or action plan is one of the elements to be developed by developing country Parties implementing REDD+ activities (according to paragraph 71 of decision 1/CP.16). This national strategy or action plan is highly dependent upon national circumstances.

During the development and implementation of national strategies or action plans, developing countries should address, inter alia: the drivers of deforestation and forest degradation, land tenure issues, forest governance issues, gender considerations and the REDD+ safeguards including the full and effective participation of relevant stakeholders, inter alia indigenous peoples and local communities. At the same time, the COP recognized the importance and necessity of adequate and predictable financial and technology support for developing the national strategy or action plan.

In seeking to obtain and receive results-based payments for their REDD+ results-based actions, developing countries should have a national strategy or action plan in place, in accordance with decision 9/CP.19, and a link to the national strategy or action plan should also be provided in the Lima REDD+ Information Hub.

Most relevant COP decisions: [1/CP.16](#), [9/CP.19](#)

Countries that provided a submission on this topic

Argentina Brazil Cambodia	Chile Colombia Ecuador	India Malaysia Mexico	Paraguay
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69. Natural Capital Toolkit

Type of tool: Toolbox

Organization: Shift

Description: The toolkit is an interactive database that helps users find the right tool to measure and value natural capital.

Website: <https://shift.tools/contributors/551>

The screenshot shows the website's header with the 'SHIFT' logo and a search bar. Navigation links include 'Contributors', 'Categories', 'About', 'Submit Resource', and 'Sign in'. The main banner features the title 'Natural Capital Toolkit' with a checkmark, a descriptive paragraph, and logos for the 'NATURAL CAPITAL COALITION' and 'wbcsd'. Below the banner is a navigation bar with 'Resource Library | About | Curated Lists | Contact' and a 'Follow' button. The left sidebar contains 'Refine Search' filters for 'Custom Labels', 'Sector', and 'Environmental Issues'. A search bar prompts the user to 'Type to search resources from Natural Capital Toolkit...'. The 'RESOURCES (55)' section displays a card for the 'Water Calculation Tool for the Textile Wet Processing Sector' by DNV GL | United Nations Industrial Development Organization (UNIDO).

70. Natural Climate Solutions - Research paper

Type of tool: Guideline document

Organization: PNAS (Griscom et. al. 2017)

Description: Open access research paper that identifies and quantifies “natural climate solutions” (NCS): 20 conservation, restoration, and improved land management actions that increase carbon storage and/or avoid greenhouse gas emissions across global forests, wetlands, grasslands, and agricultural lands. It offers country CO2 equivalent mitigation potential, and NCS cost-effectiveness and co-benefits analysis.

Website: <https://www.pnas.org/content/114/44/11645>



The screenshot shows the PNAS (Proceedings of the National Academy of Sciences of the United States of America) website. The header includes the PNAS logo and a search bar with the text "Keyword, Author, or". Below the header is a navigation menu with links for Home, Articles, Front Matter, News, Podcasts, and Authors. The "Articles" link is highlighted. Below the navigation menu, there is a section for "NEW RESEARCH IN" with two dropdown menus: "Physical Sciences" and "Social Sciences". The article "Natural climate solutions" is featured, with a "Check for updates" icon to its right. The authors listed are Bronson W. Griscom, Justin Adams, Peter W. Ellis, Richard A. Houghton, Guy Lomax, Daniela A. Miteva, William H. Schlesinger, David Shoch, Juha V. Siikamäki, Pete Smith, Peter Woodbury, Chris Zganjar, Allen Blackman, João Campari, Richard T. Conant, Christopher Delgado, Patricia Elias, Trisha Gopalakrishna, Marisa R. Hamsik, Mario Herrero, Joseph Kiesecker, Emily Landis, Lars Laestadius, Sara M. Leavitt, Susan Minnemeyer, Stephen Polasky, Peter Potapov, Francis E. Putz, Jonathan Sanderman, Marcel Silvius, Eva Wollenberg, and Joseph Fargione.

71. Natural Climate Solutions US State Mapper

Type of tool: Spatial dataset

Organization: Nature4Climate and The Nature Conservancy

Description: The NCS US State Mapper is an online tool developed by Nature4Climate with support from The Nature Conservancy that shows the climate mitigation potential of natural climate solution (NCS) in the United States. The mapper is built around 11 approaches at the US national and state level that demonstrate the mitigation potential NCS activities could achieve by reducing overall greenhouse gas emissions. Discover the many ways that nature and working lands can reduce emissions depending on the cost and our level of ambition.

Website: <https://nature4climate.org/u-s-carbon-mapper/>

Natural Climate Solutions for the U.S.

National State

770

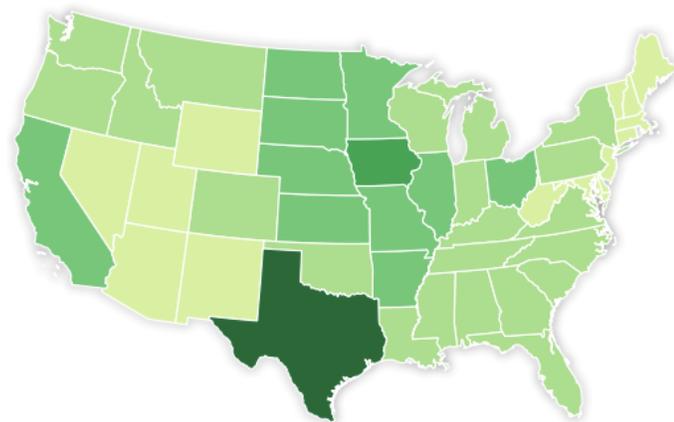
Mitigation potential
Million tons CO₂e per year

5,795

2016 net emissions (U.S.)
Million tons CO₂e per year

Mitigation Pathways ⓘ **Marginal Abatement Cost** 🔒
\$ per ton of CO₂e

- Reforestation Off \$10 \$50 \$100 Max
- Avoided Forest Conversion Off \$10 \$50 \$100 Max
- Fire Management Off \$10 \$50 \$100 Max
- Urban Reforestation Off \$10 \$50 \$100 Max
- Avoided Grassland Conversion Off \$10 \$50 \$100 Max
- Grassland Restoration Off \$10 \$50 \$100 Max
- Alley Cropping Off \$10 \$50 \$100 Max



State	NCS Mitigation (Mt CO ₂ per year)	Area Available (million acres)
Texas	52.1	26.1
Iowa	35.1	22.6
South Dakota	33	20.9

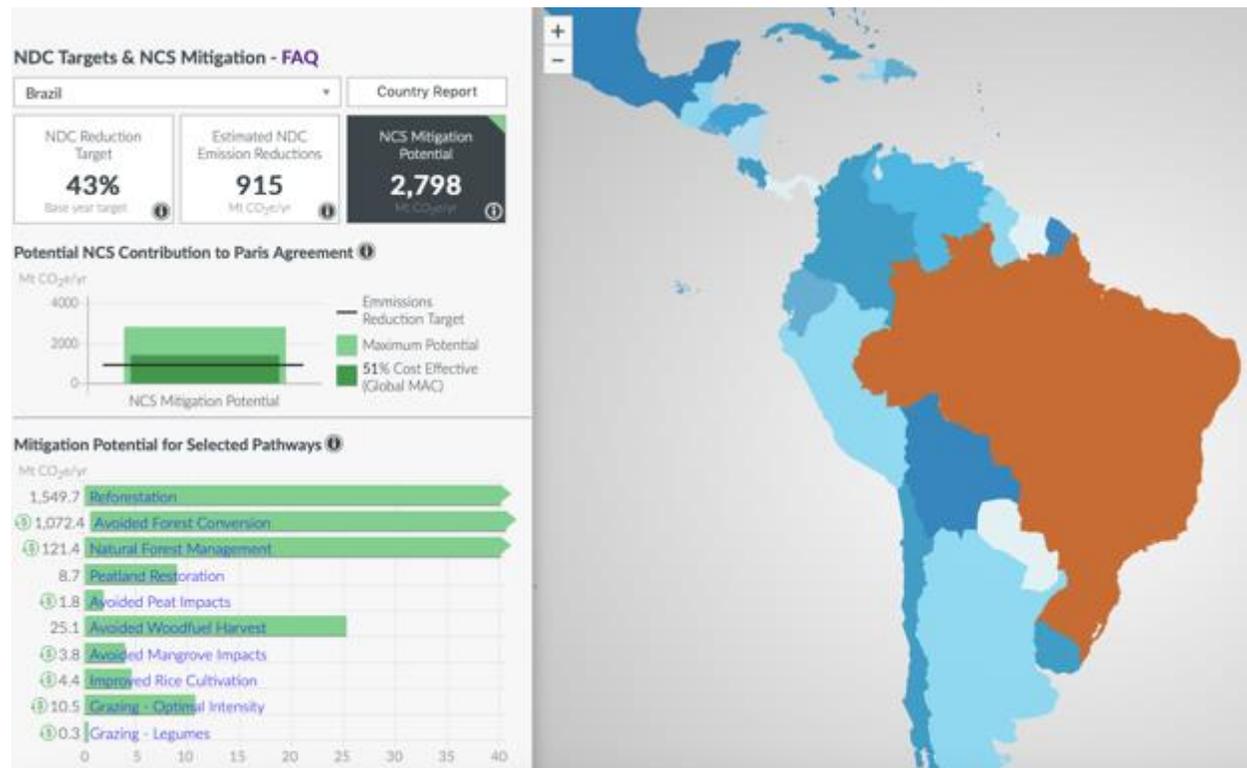
72. Natural Climate Solutions World Atlas

Type of tool: Spatial dataset

Organization: Nature4Climate

Description: The NCS World Atlas offers estimations, based on global datasets, of the activities that involve specific conservation, restoration, and/or improved land management actions (Nature-Based Solutions) that practitioners may take to avoid emissions and/or enhance sequestration.

Website: <https://nature4climate.org/n4c-mapper/>



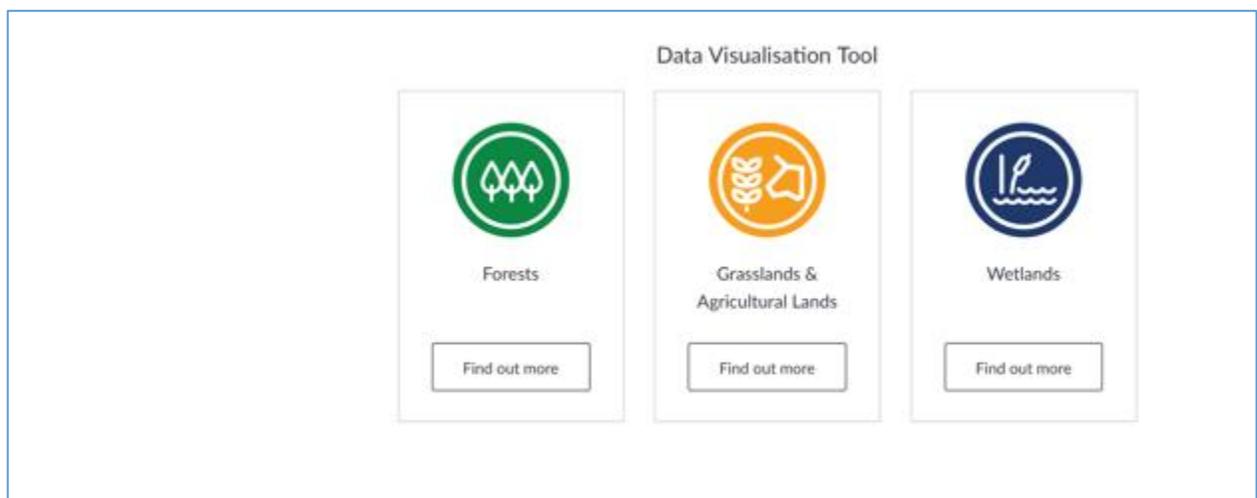
73. Natural Pathways to Climate Mitigation

Type of tool: Knowledge Platform, Guidelines

Organization: Nature4Climate

Description: Knowledge platform with data visualization tools and scientific analysis on natural pathways to climate mitigation, including forests, wetlands, and grasslands and agricultural lands.

Website: <https://nature4climate.org/science/n4c-pathways/>



74. Natural Solutions Toolkit

Type of tool: Platform, Toolkit

Organization: The Nature Conservancy

Description: Mapping tool platform and a suite of web apps across coastal, floodplain, freshwater, land and ocean environments.

Website: https://www.conservationgateway.org/ConservationPractices/Marine/crr/library/Documents/TNC_CoastalResilience_NST2017.pdf



Technology accelerates everything it is applied to. It holds the promise to propel conservation solutions so that they scale to global environmental challenges. The Nature Conservancy (TNC), along with global, regional and local partners, have developed the **Natural Solutions Toolkit**—a mapping tool platform and a suite of web apps across coastal, floodplain, freshwater, land and ocean environments. The first program to be established within the Toolkit was Coastal Resilience, which began in 2007; it now represents the largest geospatial decision support system for conservation and climate adaptation at TNC.

With a common goal of highlighting the value of nature in reducing risk and enhancing resilience locally and globally, the Toolkit provides powerful science and technology resources for planning.

SOLUTIONS & ACTIONS

75. Naturally Resilient Communities

Type of tool: Platform, Dataset

Organization: The Nature Conservancy

Description: Naturally Resilient Communities is a partnership of county governments, professional engineers, community planners, floodplain managers, and conservationists. The partnership is focused on helping communities use nature-based solutions that address multiple needs, with a focus on reducing impacts from floods and storms, improved water quality, enhanced recreational opportunities, and better habitat for fish and wildlife. We promote the best examples of communities that use nature-based solutions to solve multiple problems and produce multiple benefits.

Website: <http://nrcsolutions.org/strategies/#solutions>

The screenshot displays the website's navigation bar with the logo and menu items: Home, Funding, Resources, and Explore Solutions & Case Studies. Below the navigation bar are two tabs: SOLUTIONS (30 Results) and CASE STUDIES (23 Results). A large orange filter menu is open, titled 'HELP ME CHOOSE'. It contains two sections: 'Hazard Types' with checkboxes for Coastal Erosion, Tidal Flooding, Coastal Flooding, Riverine Erosion, Riverine Flooding, and Stormwater Flooding; and 'Region' with checkboxes for Coastal West, Great Lakes, Gulf of Mexico, Mid-Atlantic, Midwest, Northeast, Pacific Northwest, and Rocky Mountain West. The main content area is titled 'WHAT KIND OF HAZARDS DOES YOUR CITY FACE?' and features three 3D illustrations of coastal hazards: Coastal Erosion (erosion along a shore, dunes, or cliff), Tidal Flooding (flooding to coastal areas caused by high tides), and Coastal Flooding (flooding to coastal areas caused by waves / storm surge during a storm). Each illustration includes a 'Select' checkbox.

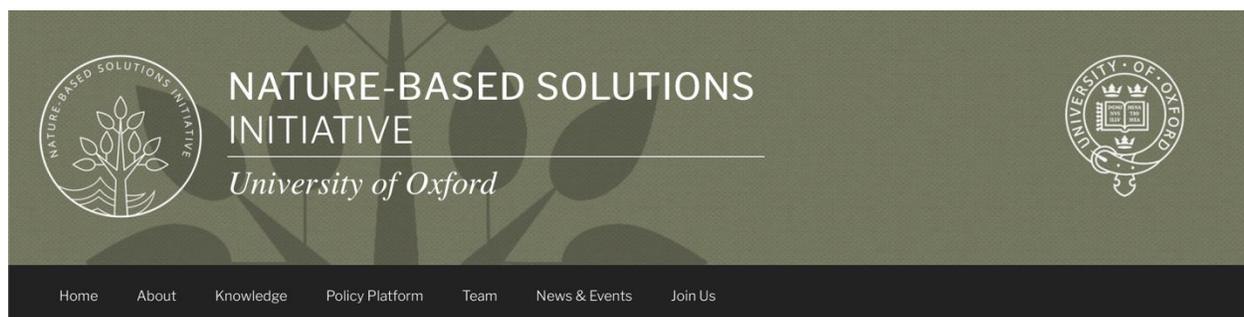
76. Nature Based Solutions in Action

Type of tool: Knowledge Platform, Assessment

Organization: UNEP

Description: Examples of how working with nature can provide multiple benefits, especially in terms of helping local communities deal with the impacts of climate change. The projects showcased here focus on NBS for climate change adaptation

Website: <https://www.naturebasedsolutionsinitiative.org/nbs-in-action/>



Nature-based Solutions in Action



Here are some real-life examples of how working with nature can provide multiple benefits, especially in terms of helping local communities deal with the impacts of climate change. The projects showcased here focus on Nbs for climate change adaptation and are being supported by the [United Nations Environment Programme](#).

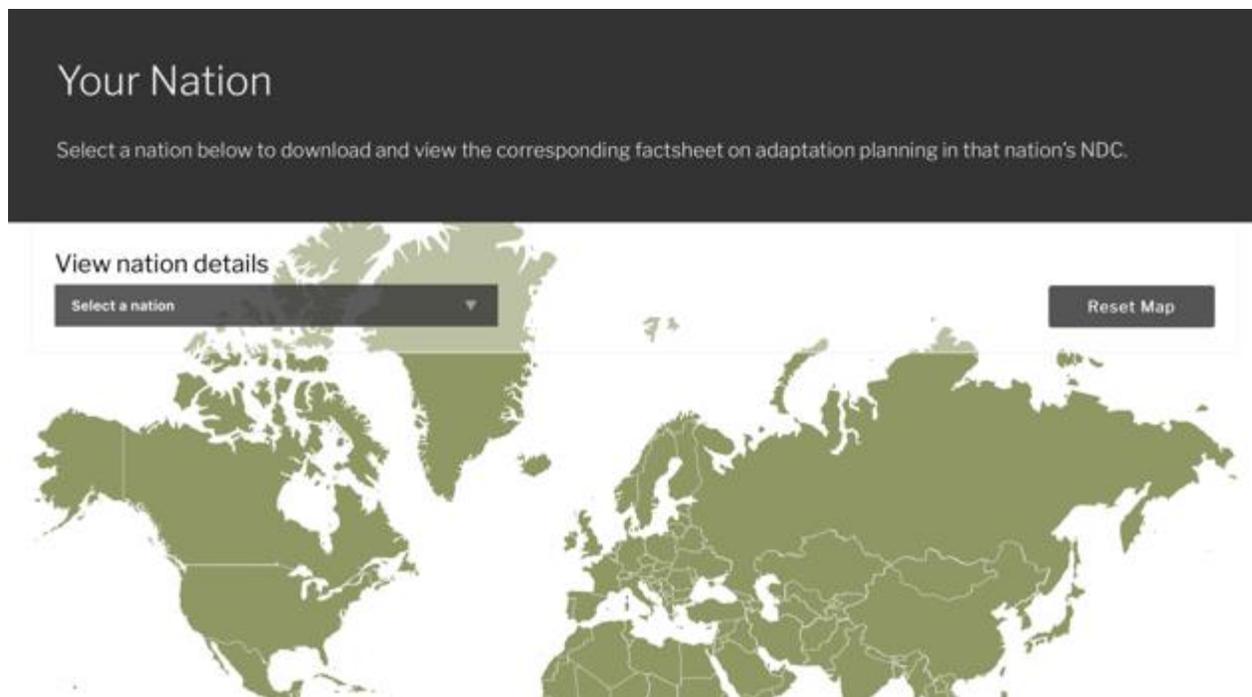
77. Nature Based Solutions Policy Platform

Type of tool: Knowledge Platform

Organization: University of Oxford, IIED

Description: Interactive map with a selection of reports, evidence summaries, talks and policy briefs. This material includes synopses of the scientific evidence for the effectiveness of nature-based solutions, overviews of the prominence of nature-based solutions in policy, and reflections, for example, on the value of natural capital. All include policy pointers for decision makers in government and business and/or suggestions for further research.

Website: <http://www.nbspolicyplatform.org/your-nation/#filter-nations>



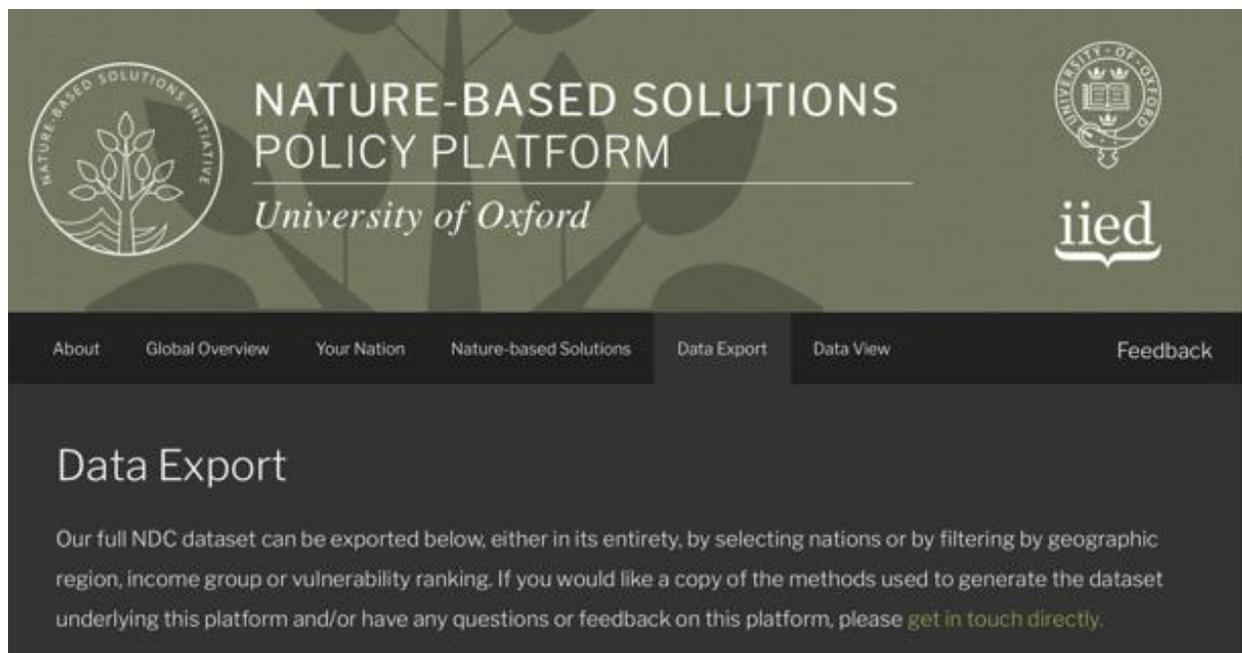
78. Nature-Based Solutions Policy Data Platform

Type of tool: Knowledge Platform, Dataset

Organization: University of Oxford, IIED

Description: The Nature-Based Solutions Policy Data Platform is a portal providing emissions data and vulnerability rankings for countries. This platform is aimed at highlighting and scaling up the role of nature-based approaches to climate change adaptation and linking policy to the science evidence for the effectiveness of these approaches. The datasets can be exported as a whole or filtered by geographical region, income group, and a country's vulnerability ranking.

Website: <http://www.nbspolicyplatform.org/data-export/>



79. NBS Bibliography

Type of tool: Knowledge Platform, Dataset

Organization: University of Oxford

Description: Interactive bibliography on Nature-based Solutions. Explore publications on the role or use of biodiversity and ecosystems to 1) address impacts from climate change, 2) help store carbon or reduce carbon emissions, and 3) promote ecosystem-health in the context of climate change. Maps show numbers of publications focusing on different habitats, regions, the societal challenge that a nature-based solution is applicable to, and the broad type of NBS under study (NBS approach)

Website: <https://www.naturebasedsolutionsinitiative.org/bibliography/>

The screenshot displays the NBS Bibliography web application interface. At the top, there is a search bar with a 'Search' button. Below the search bar, a navigation menu includes tabs for 'Country', 'Geographic subregion', 'Societal challenge', 'NbS approach', and 'Frequency analysis'. The 'Country' tab is currently selected, showing a world map with various countries highlighted in shades of blue. On the left side, there are two filter panels. The 'Societal challenge' panel contains six checkboxes: 'Climate change adaptation', 'Climate change mitigation', 'Disaster risk reduction', 'Ecosystem health', 'Food and water security', and 'Human well-being & development'. The 'NbS approach' panel contains two checkboxes: 'Nature-based solutions in general' and 'Area-based approaches'. A search bar is also visible at the top of the map area.

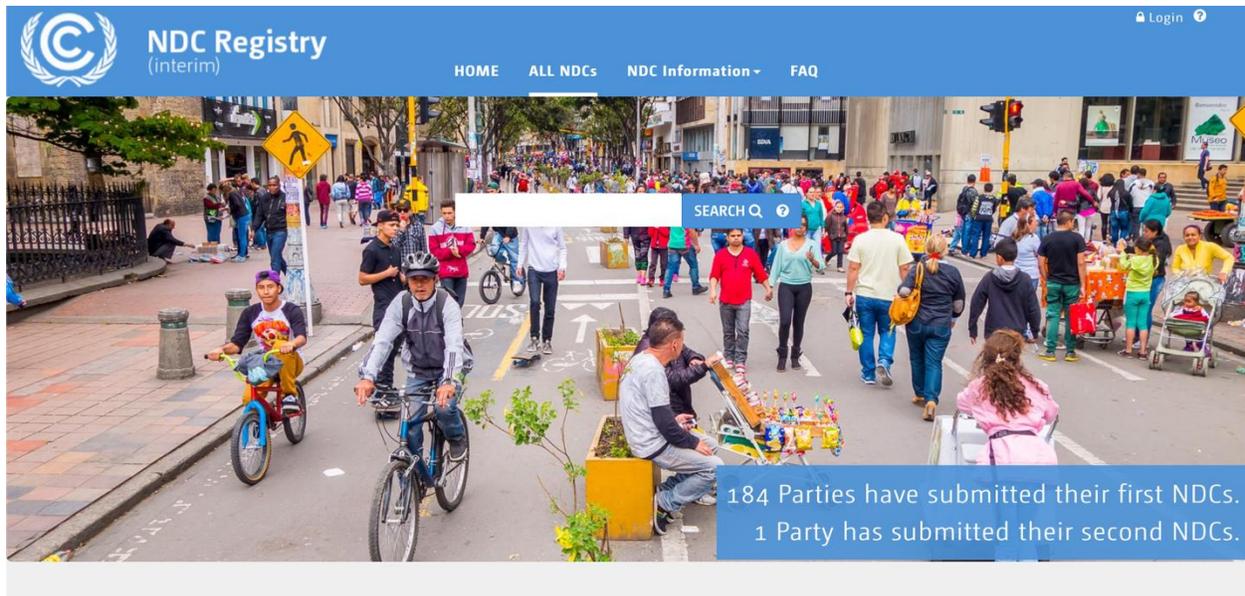
80. NDC official documents

Type of tool: Website with key information

Organization: United Nations Framework Convention on Climate Change

Description: In this website you can find all the official NDCs

Website: <https://www4.unfccc.int/sites/NDCStaging/Pages/All.aspx>



NDC Registry
(interim)

HOME ALL NDCs NDC Information FAQ

SEARCH Q

184 Parties have submitted their first NDCs.
1 Party has submitted their second NDCs.

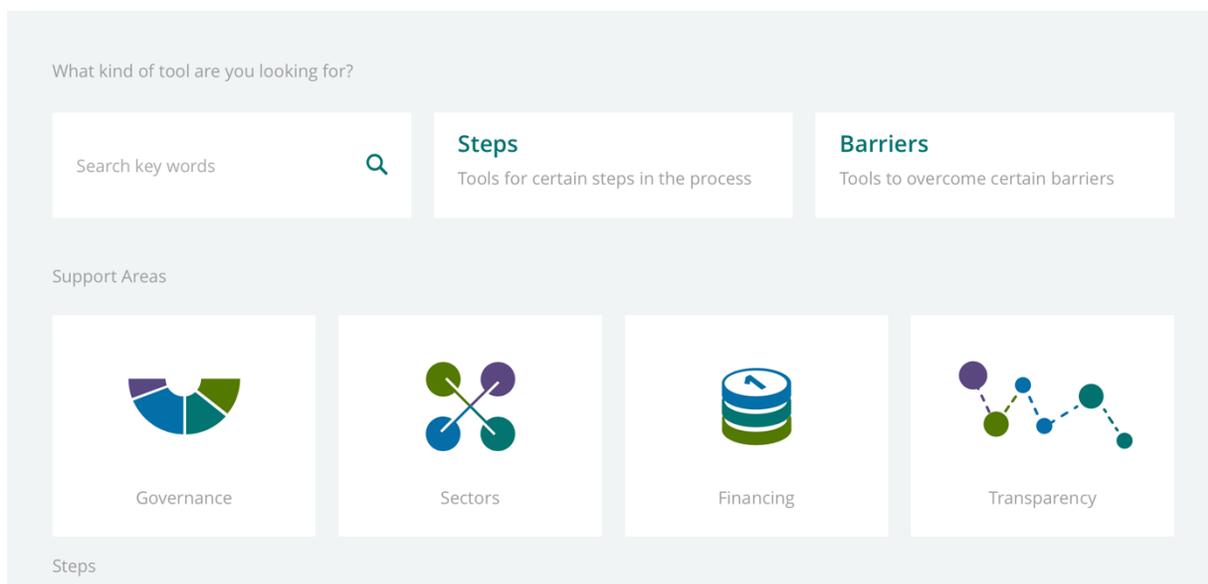
81. NDC Support Cluster Toolbox

Type of tool: Toolkit

Organization: Germany Ministry of Environment

Description: The Toolbox provides easy access to a selection of tools in the four Cluster support areas offered by the Cluster implementing partners. These provide support when implementing, coordinating, tracking and revising NDCs.

Website: <https://www.ndc-cluster.net/toolbox>



82. NDC-SDG Connections database

Type of tool: Datasets

Organization: German Development Institute (DIE), Stockholm Environment Institute (SEI)

Description: The NDC-SDG Connections database and online visualisation have been developed. It aims at illuminating synergies between the 2030 Agenda for Sustainable Development and the Paris Agreement, and at identifying entry points for coherent policies that promote just, sustainable and climate-smart development.

Website: <https://klimalog.die-gdi.de/ndc-sdg/>

The screenshot shows the top navigation bar of the NDC-SDG Connections database website. The navigation bar is dark blue and contains the following items: 'Overview', 'SDGs' with a dropdown arrow, 'Countries', 'Synergies', 'NDC-SDG Connections' (highlighted), 'Publications', 'Help', 'About', and social media icons for Facebook and Twitter.

Below the navigation bar, the main content area features the title 'NDC-SDG Connections' in bold black text. To the right of the title is the 'ACTION AWARDS' logo, which includes the United Nations emblem and the text 'SUSTAINABLE DEVELOPMENT GOALS ACTION AWARDS'. Below the title, a short description reads: 'Connecting climate action to the Sustainable Development Goals: Analyse and compare how climate actions formulated in Nationally Determined Contributions (NDCs) corresponds to each of the 17 Sustainable Development Goals (SDGs)'. To the right of the description are the logos for 'PROJECT BY' partners: 'd.i.e. Deutsches Institut für Entwicklungspolitik', 'German Development Institute', and 'SEI'.

Below the description is a red button with white text that says 'EXPLORE NDC-SDG CONNECTIONS FOR Global (average)' with a dropdown arrow. Below the button is a light gray bar with the text 'COMPARE WITH' and a small icon.

83. NDC-SDG Linkages

Type of tool: Dataset

Organization: NDC Partnership

Description: Identify potential alignment between the targets, actions, policy measures and needs in countries' Nationally Determined Contributions (NDCs) and the targets of the Sustainable Development Goals (SDGs).

Website: <http://ndcpartnership.org/climate-watch/ndcs-sdg>

The screenshot shows the 'NDC-SDG Linkages' tool interface. At the top, there is a search bar with the text 'Search for a country or keyword'. Below the search bar is a grid of 15 Sustainable Development Goals (SDGs) represented by icons and numbers. The SDGs are arranged in a 5x3 grid:

1 No poverty	2 Zero hunger	3 Good health and well-being
4 Quality education	5 Gender equality	6 Clean water and sanitation
7 Affordable and clean energy	8 Decent work and economic growth	9 Industry, innovation and infrastructure
10 Reduced inequalities	11 Sustainable cities and communities	12 Responsible consumption and production
13 Climate action	14 Life below water	15 Life on land

To the right of the SDG grid is a world map titled 'Global Linkage Overview'. The map shows several countries highlighted in red, indicating potential linkages. The highlighted countries include India, China, and several countries in Africa and South America.

84. NDCs – A Source for Nature?

Type of tool: Guideline document

Organization: WWF

Description: The paper lays out a set of recommendations at the international and national level as well as for the longer term that can strengthen the biodiversity and nature agenda, and align climate, biodiversity and sustainable development targets for the next phase of updated, enhanced and improved NDCs.

Website: http://4fqbik2blqkb1nrebde8yxqj-wpengine.netdna-ssl.com/wp-content/uploads/2018/12/WWF_NDCs-a-force-for-nature-2nd-edition.pdf



85. OECD Green Growth Indicators Database 2017

Type of tool: Database, Finance

Organization: OECD

Description: Green Growth Indicators 2017 updates and extends the green growth indicators presented in the 2014 and 2011 editions. It charts the progress that OECD countries and G20 economies have made since 1990. The 2017 edition places greater emphasis on productivity gains and on the role of policy action, with enriched analysis on environmentally related taxes and subsidies, technology and innovation, and international financial flows.

Website: <http://www.oecd.org/greengrowth/green-growth-indicators/>



OECD Home About Countries Topics Français

OECD Home > Green growth and sustainable development > Green Growth Indicators

Green Growth Indicators

Highlights

Green Growth Indicators 2017 HIGHLIGHTS

The report

OECD Green Growth Studies
Green Growth Indicators 2017

Read the report

Twitter Facebook LinkedIn Email

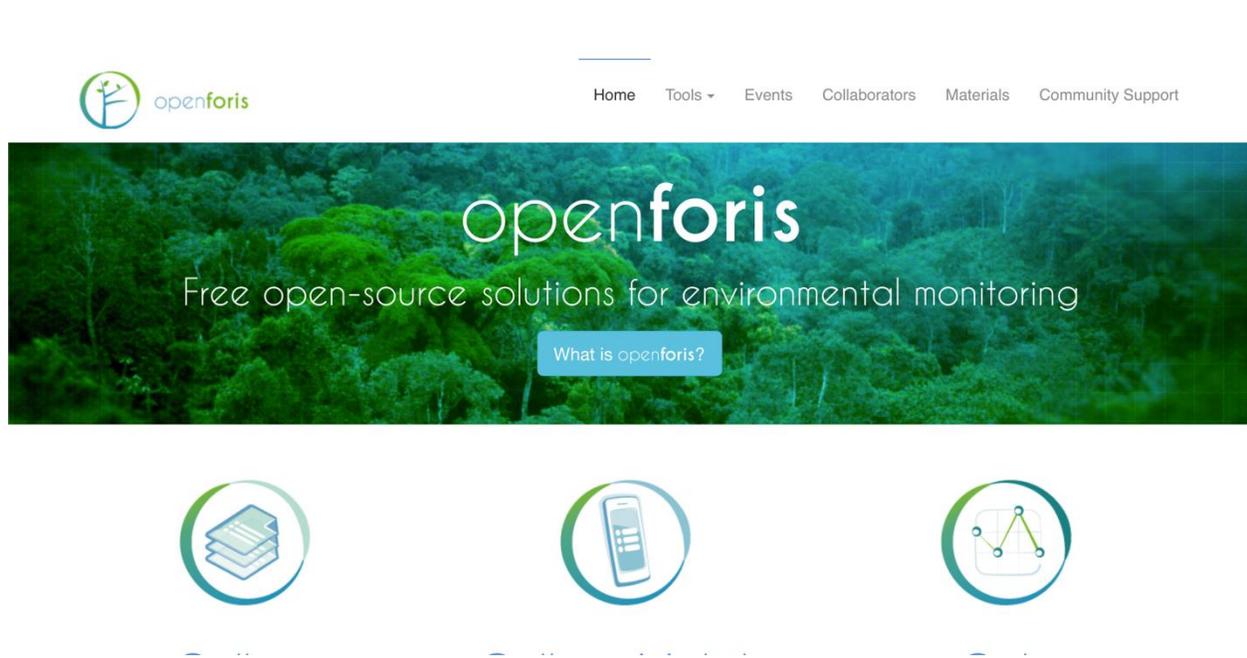
86. Open Foris

Type of tool: Toolkit, Technical software

Organization: FAO

Description: Open Foris is a set of open-source software tools to facilitate flexible and efficient data collection, analysis, and reporting. Its modules can be used for forest inventories, land use and land-use change assessment, and climate change reporting.

Website: <http://www.openforis.org>



87. Outreach into sectors: Integrating ecosystem-based approaches to climate change adaptation and disaster risk reduction

Type of tool: Guideline document

Organization: Secretariat of the Convention on Biological Diversity

Description: The report, prepared by the CBD, in collaboration with GIZ, WWF, IUCN, ILO and FAO, contains briefs to support the integration of ecosystem-based approaches to climate change adaptation and disaster risk reduction into sectoral policies and plans.

Website: <https://www.cbd.int/doc/publications/cbd-ts-93-outreach-en.pdf>

The image shows the cover of a report. The top part of the cover features a photograph of a person's hands working with soil in a field. Below the photograph is a large blue rectangular area containing the title and subtitle in white text. The title 'Outreach into Sectors' is in a large, bold, sans-serif font. The subtitle 'Integrating ecosystem-based approaches to climate change adaptation and disaster risk reduction' is in a smaller, bold, sans-serif font.

Outreach into Sectors

Integrating ecosystem-based
approaches to climate change
adaptation and disaster risk
reduction

88. PANORAMA: Solutions for a Healthy Planet

Type of tool: Knowledge Platform

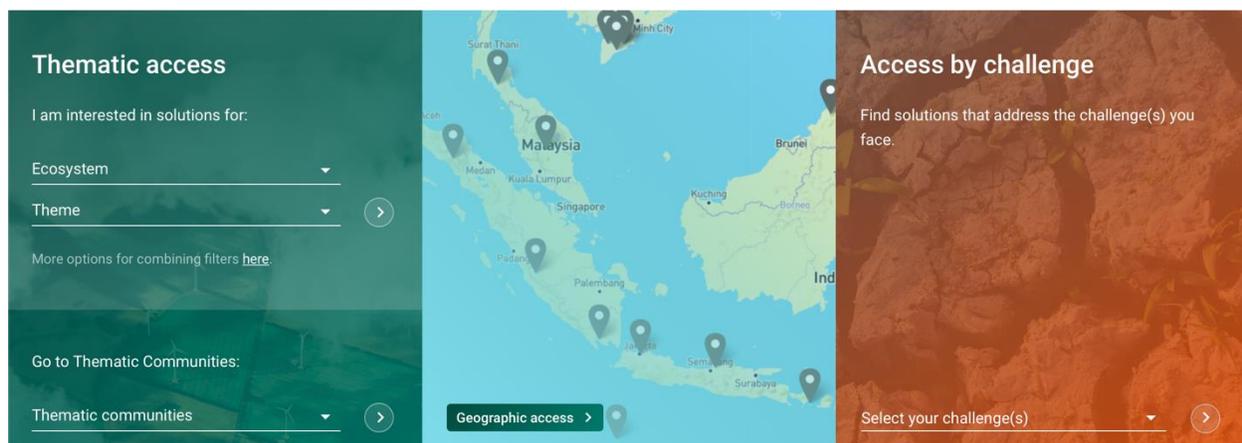
Organization: GIZ GmbH, IUCN, UNEP, GRID-Arendal, Rare, International Federation of Organic Agriculture Movements

Description: PANORAMA – Solutions for a Healthy Planet is a partnership initiative to document and promote examples of inspiring, replicable solutions across a range of conservation and sustainable development topics, enabling cross-sectoral learning and inspiration. PANORAMA allows practitioners to share and reflect on their experiences, increase recognition for successful work, and to learn with their peers how similar challenges have been addressed around the globe.

Website: <https://panorama.solutions/en>

Explore Solutions

Use different paths to explore our solutions



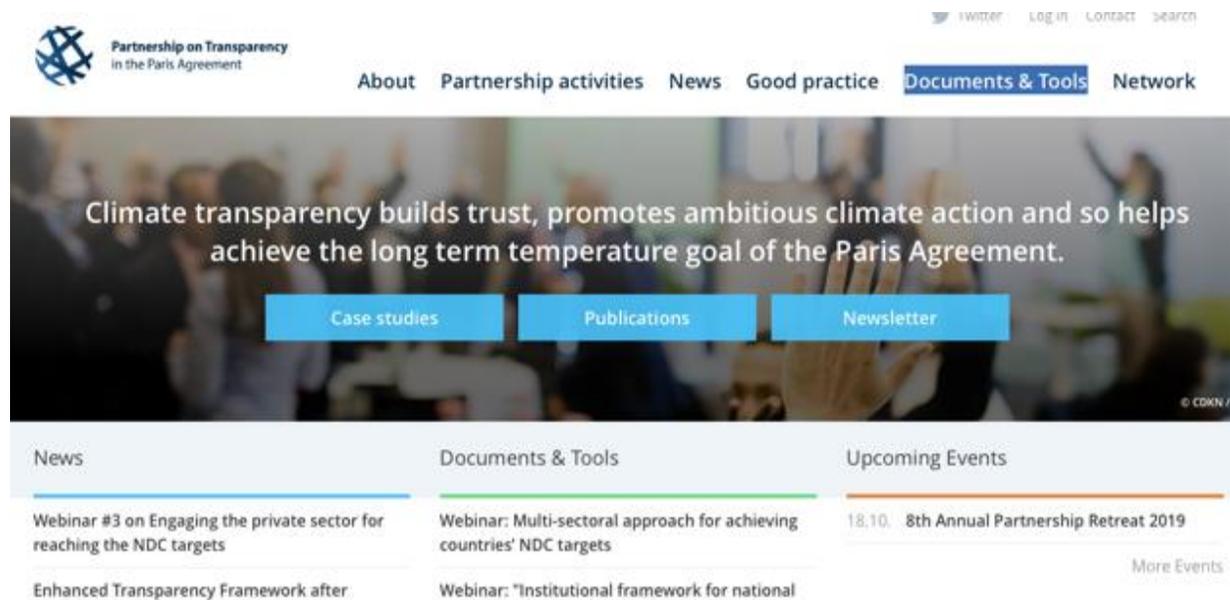
89. Partnership on Transparency in the Paris Agreement

Type of tool: Knowledge platform, Toolbox

Organization: Partnership on Transparency

Description: The Partnership provides a forum for practical exchange and political dialogue between countries on enhanced climate transparency. It actively supports further developing the MPGs, reflecting on the interlinkages between transparency and raising ambition, and strengthening national capacities for implementing MRV and M&E systems.

Website: <https://www.transparency-partnership.net>



The screenshot shows the homepage of the Partnership on Transparency website. At the top left is the logo, a globe with a grid, and the text "Partnership on Transparency in the Paris Agreement". To the right of the logo is a navigation menu with links: "About", "Partnership activities", "News", "Good practice", "Documents & Tools" (highlighted in blue), and "Network". In the top right corner, there are links for "Twitter", "Log in", "Contact", and "Search". Below the navigation is a large banner image of a group of people in a meeting. Overlaid on the banner is the text: "Climate transparency builds trust, promotes ambitious climate action and so helps achieve the long term temperature goal of the Paris Agreement." Below this text are three blue buttons: "Case studies", "Publications", and "Newsletter". At the bottom of the page, there are three columns of content: "News", "Documents & Tools", and "Upcoming Events". Under "News", there are two items: "Webinar #3 on Engaging the private sector for reaching the NDC targets" and "Enhanced Transparency Framework after...". Under "Documents & Tools", there are two items: "Webinar: Multi-sectoral approach for achieving countries' NDC targets" and "Webinar: 'Institutional framework for national...". Under "Upcoming Events", there is one item: "18.10. 8th Annual Partnership Retreat 2019". A "More Events" link is visible at the bottom right of the "Upcoming Events" column.

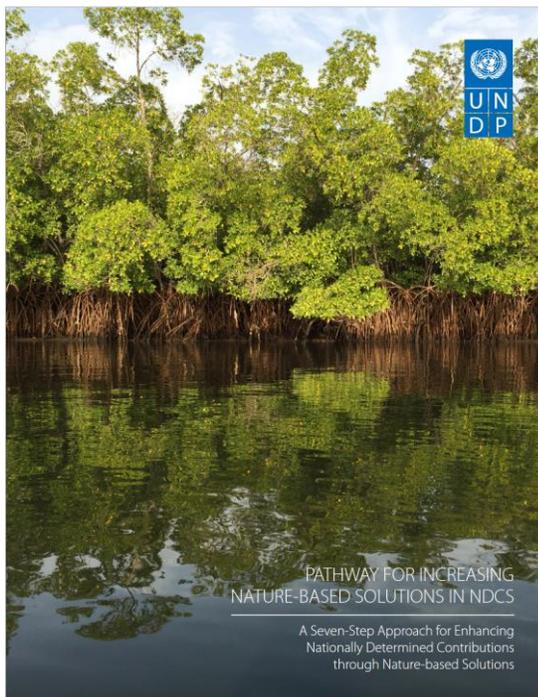
90. Pathway for Increasing Nature-Based Solutions in the NDCs: A Seven-Step Approach for Enhancing Nationally Determine Contributions through Nature-Based Solutions

Type of tool: Guideline document

Organization: UNDP

Description: The objective of the Pathway is to assist governments to identify potential Nature-Based Solutions with the aim of enhancing their climate mitigation and adaptation action in a cost-effective manner and with multiple co-benefits. This Pathway may also be particularly helpful to assist countries in their efforts to strengthen the robustness of their existing NDC in cases where they may have limited data and resources to prepare for the implementation of their NDC strategies or action plans. This Pathway provides governments with a concise summary of specific actions and tools to consider, organized in seven steps or stages.

Website: <https://www.undp.org/content/ndc-support-programme/en/home/impact-and-learning/library/nature-based-solutions-for-ndcs-pathway-framework.html>



91. Planting Healthy Air

Type of tool: Spatial Dataset

Organization: Nature Conservancy

Description: Interactive report / map quantifying how nature can help clean and cool the air.

Website: <http://maps.oceanwealth.org>

The screenshot displays the 'Mapping Ocean Wealth Explorer' web application. The interface features a dark blue header with the title 'Mapping Ocean Wealth Explorer' and 'Mapping Ocean Ecosystem Services' on the left, and a search bar on the right. A left sidebar contains a 'Get Started' section with a close button, followed by a 'Mapping Ocean Wealth Explorer' section with a detailed description of the tool's capabilities. Below this is a 'Start exploring' section with a 'Recreation and Tourism App' button and a 'Go' button. The main area is a map of the Atlantic Ocean and surrounding continents, with a scale bar at the bottom left and 'Powered by Esri, HERE' at the bottom right. The map includes a 'Basic' map style selector and zoom controls.

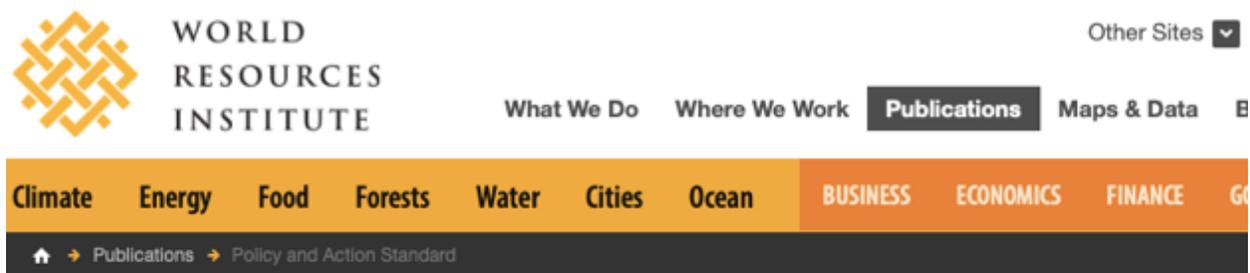
92. Policy and Action Standard

Type of tool: Guideline documents

Organization: World Resource Institute (WRI)

Description: The GHG Protocol Policy and Action Standard provides a standardized approach for estimating and reporting the change in GHG emissions and removals resulting from policies and actions.

Website: <https://www.wri.org/publication/policy-and-action-standard>



Policy and Action Standard

An Accounting and Reporting Standard for Estimating the Greenhouse Gas Effects of Policies and Actions

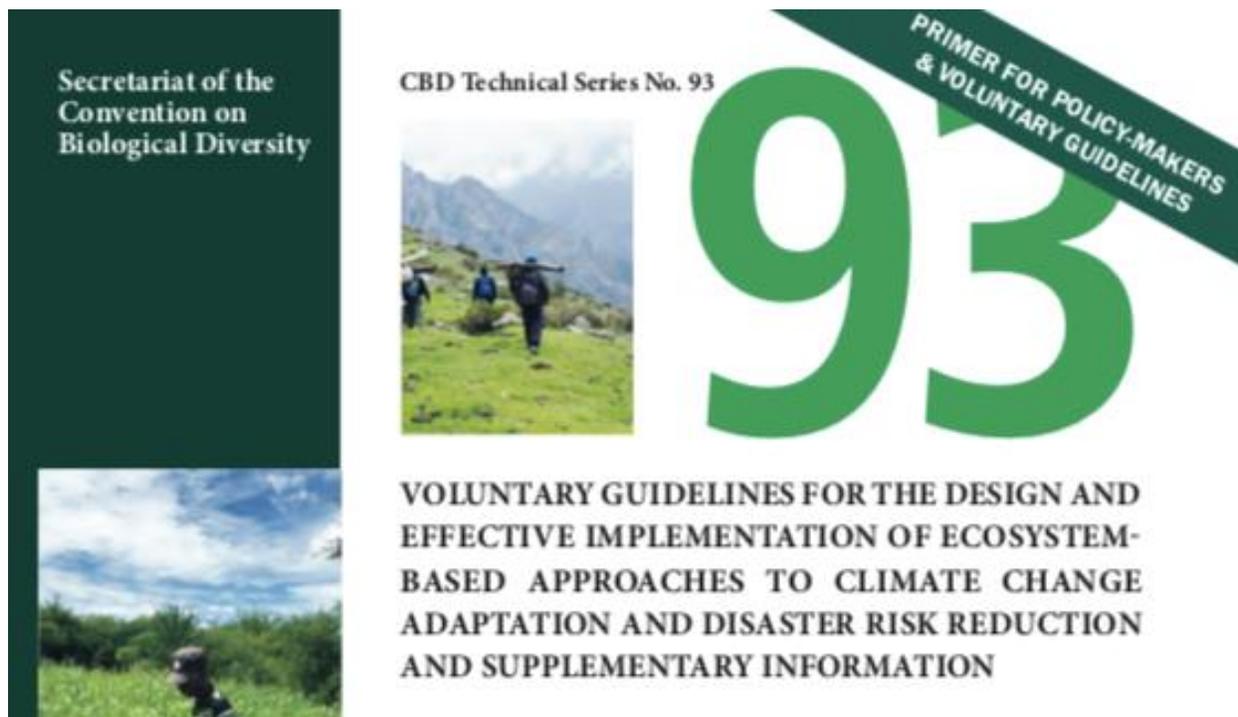
93. Primer for policymakers and voluntary guidelines for the design and effective implementation of ecosystem-based approaches to climate change adaptation and disaster risk reduction

Type of tool: Guideline document

Organization: Secretariat of the Convention on Biological Diversity

Description: This report can be used to encourage decision-makers to implement ecosystem-based approaches to climate change adaptation and disaster risk reduction (EbA and Eco-DRR) across different sectors and in policies and strategies addressing climate change, disaster risk reduction and sustainable development.

Website: <https://www.cbd.int/doc/publications/cbd-ts-93-primer-en.pdf>



94. Protecting Water Atlas

Type of tool: Spatial Dataset

Organization: The Nature Conservancy

Description: Spatial mapping tool for data and analyses on global water protection.

Website: <https://maps.protectingwater.org>

The screenshot displays the 'Protecting Water Atlas' web application. The interface is divided into a left sidebar and a main map area. The sidebar, titled 'Protecting Water Atlas Beta', contains a search bar at the top right. Below it, there is a 'Get Started' section with a close button (X) and a list of icons for various tools. The 'Start exploring' section lists three tools: 'Source Protection Explorer', 'Benefits Explorer', and 'Water Funds Explorer', each with a 'Go' button. The main map area shows a world map centered on the Atlantic Ocean, with various cities and countries labeled. The map includes a scale bar (0 to 2000 km / 0 to 1000 mi) and a 'Powered by Esri' logo at the bottom right.

95. Readiness for Climate Finance: A framework for understanding what it means to be ready to use climate finance

Type of tool: Toolkit, Finance

Organization: UNDP

Description: The paper attempts to organise the many targeted support programmes, guidebooks, publications, and toolkits on climate finance—offered by a range of international, regional, and national partners on what it means to be “ready” to use climate finance in a transformative way.

Website: https://www.undp.org/content/dam/turkey/docs/Publications/EnvSust/UNDP-Readiness_for_Climate_Finance.pdf



96. Resilience Atlas

Type of tool: Spatial Dataset

Organization: Conservation International

Description: Resilience data using a variety of layers to find synergy and overlap.

Website: <https://www.resilienceatlas.org>



97. Resource Watch

Type of tool: Spatial dataset

Organization: World Resource Institute

Description: This is an impressive collection of 279 spatial datasets that feature the status of the countries in topics such as: water stress, tree cover, tree cover loss, climate change impacts in crop production, vulnerability to climate change index, reservoirs and dams, biodiversity intactness, etc.

Website: <https://resourcewatch.org/data/explore>

The screenshot displays the 'Explore' page of the Resource Watch website. At the top, there is a pink navigation bar with the Resource Watch logo and 'BETA' label, and menu items for Data, Topics, Blog, About, and Get Involved. A search bar is located below the navigation bar. The main content area is divided into two columns. The left column shows a list of datasets, with 'Fires' and 'Global Power Plant Database' highlighted. The right column features a dark-themed map of the world with various countries labeled. A vertical 'Feedback' button is visible on the right side of the map.

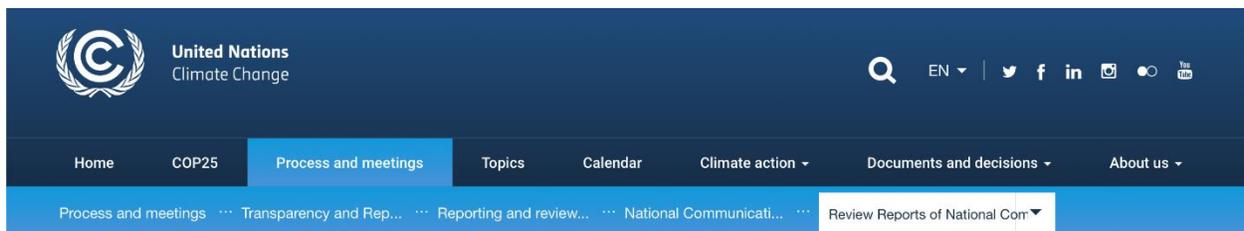
98. Review Reports of National Communications and Biennial Reports

Type of tool: Guideline documents

Organization: IPCC

Description: The in-depth review reports aim to facilitate the work of the COP in assessing the implementation of commitments by Annex I Parties. The reports also allow easier comparison of information between NCs of Parties, although no common indicators are employed.

Website: <https://unfccc.int/process/transparency-and-reporting/reporting-and-review-under-the-convention/national-communications-and-biennial-reports--annex-i-parties/international-assessment-and-review/review-reports>



Review Reports of National Communications and Biennial Reports

The in-depth reviews of national communications (NCs) are conducted by an international team of experts, coordinated by the UNFCCC secretariat. The review of each NC typically involves a desk-based study and an in-country visit, and aims to provide a comprehensive, technical assessment of a Party's implementation of its commitments. The in-depth review results in an in-depth review report, which typically expands on and updates the NC. The in-depth review reports aim to facilitate the work of the COP in assessing the

RELATED INFORMATION

[TRR.3 and IDR.7 \(see table below\)](#)

[TRR.2](#)

[TRR.1 and IDR.6](#)

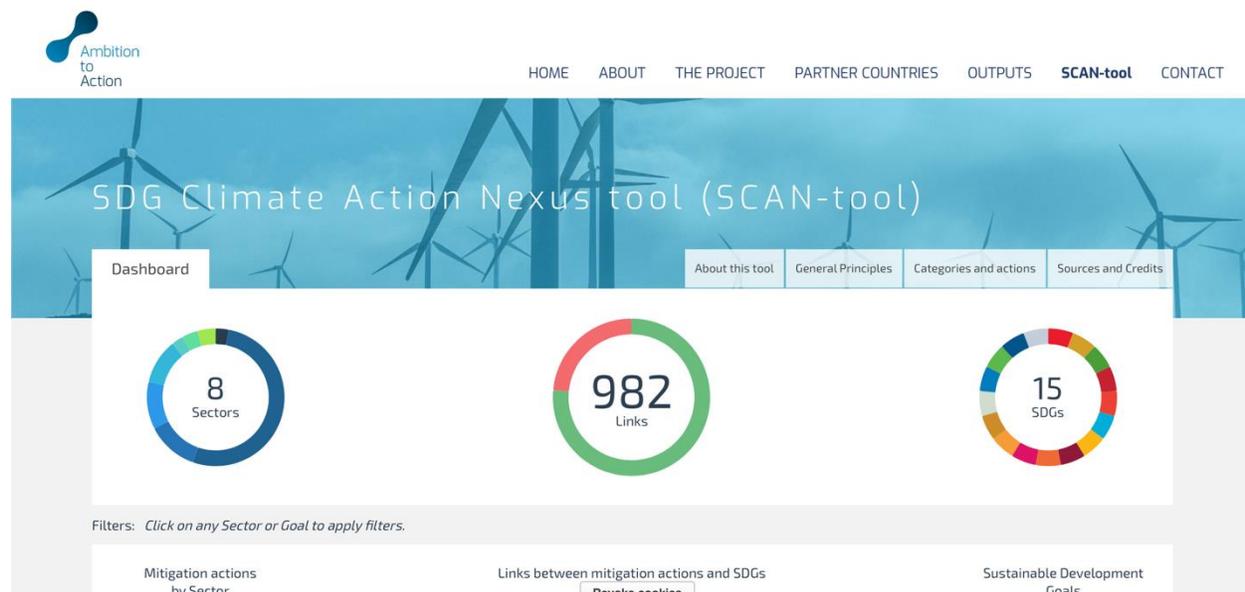
99. SDG Climate Action Nexus tool (SCAN-tool)

Type of tool: Technical support, Dataset

Organization: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, NewClimate Institute

Description: The SDG Climate Action Nexus tool (SCAN-tool) is designed to provide high-level guidance on how climate actions can impact achievement of the Sustainable Development Goals (SDGs). It is meant to support policy makers across different departments and state levels, to achieve greater policy coherence and to improve the efficiency of implementation by providing them with an initial indication of which climate actions may impact -positively or negatively- specific SDG targets.

Website: http://ambitiontoaction.net/scan_tool/



100. SERVIR Global

Type of tool: Spatial datasets, Knowledge platform

Organization: NASA and USAID

Description: SERVIR works in partnership with leading regional organizations world-wide to help developing countries use information provided by Earth observing satellites and geospatial technologies for managing climate risks and land use. SERVIR empower decision-makers with tools, products, and services to act locally on climate-sensitive issues such as disasters, agriculture, water, ecosystems and land use.

Website: <https://www.transparency-partnership.net>

The screenshot shows the SERVIR Global website interface. At the top, there is a dark navigation bar with the SERVIR GLOBAL logo on the left and menu items: REGIONS, SERVICE CATALOGUE, DATA & MAPS, TRAINING, ABOUT SERVIR, NEWS, and MULTIMEDIA. A search icon is on the far right. Below the navigation bar is a green banner with the text: "SERVIR announces release of Synthetic Aperture Radar (SAR) Handbook to empower the monitoring and protection of forests worldwide". The main content area features a headline "SERVIR connects space to village..." followed by a sub-headline: "by helping developing countries use satellite data to address critical challenges in food security, water resources, weather and climate, land use, and natural disasters." To the right of the text is an illustration of two people, one pointing towards a satellite in the sky, with a "WATCH THE VIDEO" button. Below this is a world map titled "SERVIR Works in over 50 Countries" with several red location pins indicating active regions.

101. Specialized Datasets

Type of tool: Datasets

Organization: IDB

Description: A repository of datasets covering areas like agriculture and rural development, education, natural disasters, fiscal policy and management, gender, health, and regional integration.

Website: <https://data.iadb.org/DataCatalog/Dataset>

The screenshot shows the IDB Data Catalog interface. At the top, the IDB logo and navigation menu are visible. Below the navigation, there are search filters for country and indicator. The main section is titled "SPECIALIZED DATASETS" and features a search bar. The results show two datasets:

- QUALITY OF PARENTING PROGRAMS AND CHILD DEVELOPMENT OUTCOMES**
DATASET | TYPE : Cross sectional | LAST UPDATED: Jul 15, 2019
This dataset contains information on Programa Nacional Cuna Más (Cuna Mas, hereinafter), Peru's largest early childhood development program established in 2012. It focuses on one of the two services provided by Cuna Mas known as Servicio de Acompañamiento a Familias (SAF), a home visiting program that operates in rural areas and provides one-hour weekly home visits to children aged 0-36 months and their caregiver.
- IDB CLIMATE FINANCE 2016**
DATASET | TYPE : Cross sectional | LAST UPDATED: Jun 15, 2019
At the IDBG Annual Meeting in 2016, the Board of Governors resolved to endorse the goal of increasing the financing of climate change related projects in LAC to 30% of the IDB's and IIC's combined total approvals operations by 2020, subject to demand from borrowing countries and clients and access to external sources of concessional financing. During 2016, the IDB Group invested approximately US\$2.7 billion in climate finance; that is, in development activities carried out by the public and private sectors that reduce greenhouse gas (GHG) emissions and thus mitigate climate change, and/or that reduce vulnerability to climate change and contribute to an adaptation process. This amount represented 22% of the IDB Group's total approvals.

102. Synthesis Report on Experiences with Ecosystem-Based Approaches to Climate Change Adaptation and Disaster Risk Reduction

Type of tool: Guideline document

Organization: Secretariat of the Convention on Biological Diversity

Description: The report provides a synthesis of experiences with ecosystem-based approaches to climate change adaptation and disaster risk reduction, and an analysis of challenges, lessons learned and opportunities related to their design and implementation.

Website: <https://www.cbd.int/doc/publications/cbd-ts-85-en.pdf>



103. e-Learning Platform of the United Nations Statistics Division

Type of tool: Platform, E-learning, Datasets

Organization: UNSD

Description: The e-Learning platform of the UN Statistics Division hosts a range of learning resources designed to familiarise individuals with the concepts and methods behind the System of Environmental-Economic Accounting. This platform provides users with courses, virtual classrooms and other learning resources on key topics such as water accounting, energy accounting and experimental ecosystem accounting.

Website: <https://elearning-cms.unstats.un.org>



104. Targets in Laws and Policies

Type of tool: Dataset

Organization: NDC Partnership

Description: Helps in exploring alignment between quantified NDC targets and targets in sectoral laws and policies.

Website: <https://www.climatewatchdata.org/contained/sectors/agriculture#drivers-of-emissions>

Targets in Laws and Policies

Are countries implementing laws and policies consistent with the targets in their Nationally Determined Contributions (NDCs)? Use the table below to explore alignment between quantified NDC targets and targets in sectoral laws and policies.

Filter by sector

LULUCF ▼ 2 national laws and policies with targets available for Brazil for the selected sector Ⓞ



Targets in Submitted NDC	Targets found in National Plan on Climate Change (from Decree no 6.263)	Targets found in Law 11.284/2006, establishing the management of Public Forests, Brazilian Forest Service and National Fund for Forest Development
Targets type Target type not defined	Targets Type Trajectory Target	Targets Type Fixed Level Target
Targets LULUCF Zero illegal deforestation by 2030	Targets Preservation Reduction of 40% in the average deforestation rate by 2006-2009 period in relation to the average rate of the ten years reference period used in the Amazon Fund (1996-2005). For each of the next two periods of four years, reach 30% of extra reduction, in relation to the previous period. In the case of the Amazon bioma,	Targets Preservation By 2026, the total area with forest concessions of the Union shall not exceed twenty percent (20%) of the total area of its public forests available for concession, except for located in national forests created pursuant to art. 17 of Law 9.985 of July 18, 2000.

105. The Green Lending Forum

Type of tool: Knowledge Platform, Finance

Organization: Global Climate Partnership Fund (GCPF)

Description: The Green Lending Forum offers banks across four continents a unique opportunity to build the green lending network, deepen the knowledge, share information with peer practitioners and receive guidance from experts in the field.

Website: <https://green-lending-forum.gcpf.lu>

GREEN LENDING FORUM

UPCOMING EVENT

16 – 20TH SEPTEMBER 2019 | LIMA, PERU

GCPF GREEN LENDING WORKSHOP

The untapped market opportunity for financing energy efficiency and renewable energy technologies

GREEN LENDING CONVERSATIONS

Build your network, deepen your knowledge, share information with practitioners and receive guidance experts in the field.

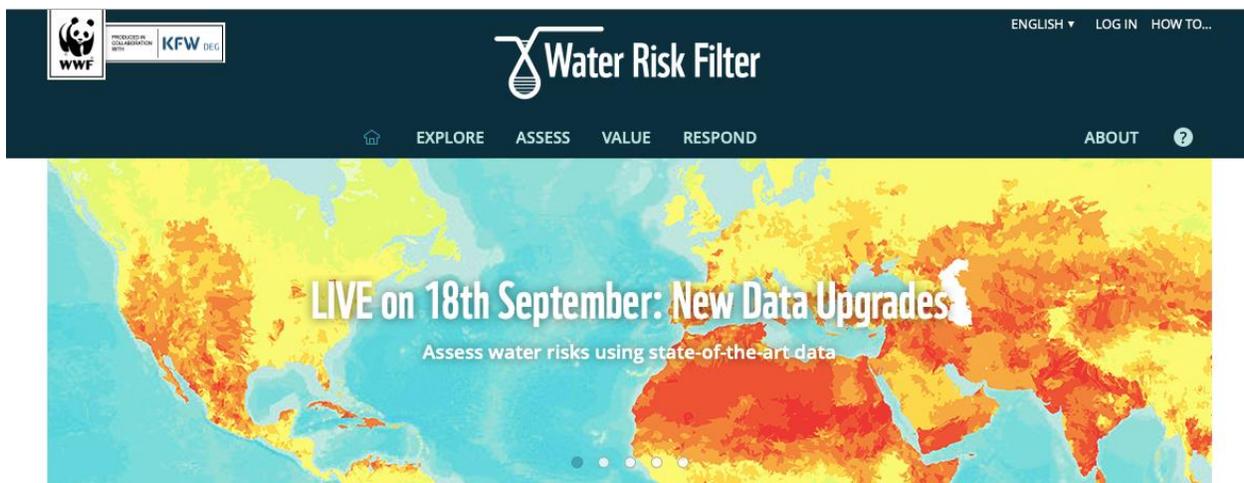
106. The Water Risk Filter

Type of tool: Datasets, Knowledge Platform

Organization: WWF

Description: The Water Risk Filter aims to cover all relevant aspects of water risks, and uses the best available global data source for each of the indicators. The number of indicators has been rationalised during the development process, balancing the fact that the tool should be practical for non-water experts while still capturing all risk aspects.

Website: <https://waterriskfilter.panda.org>



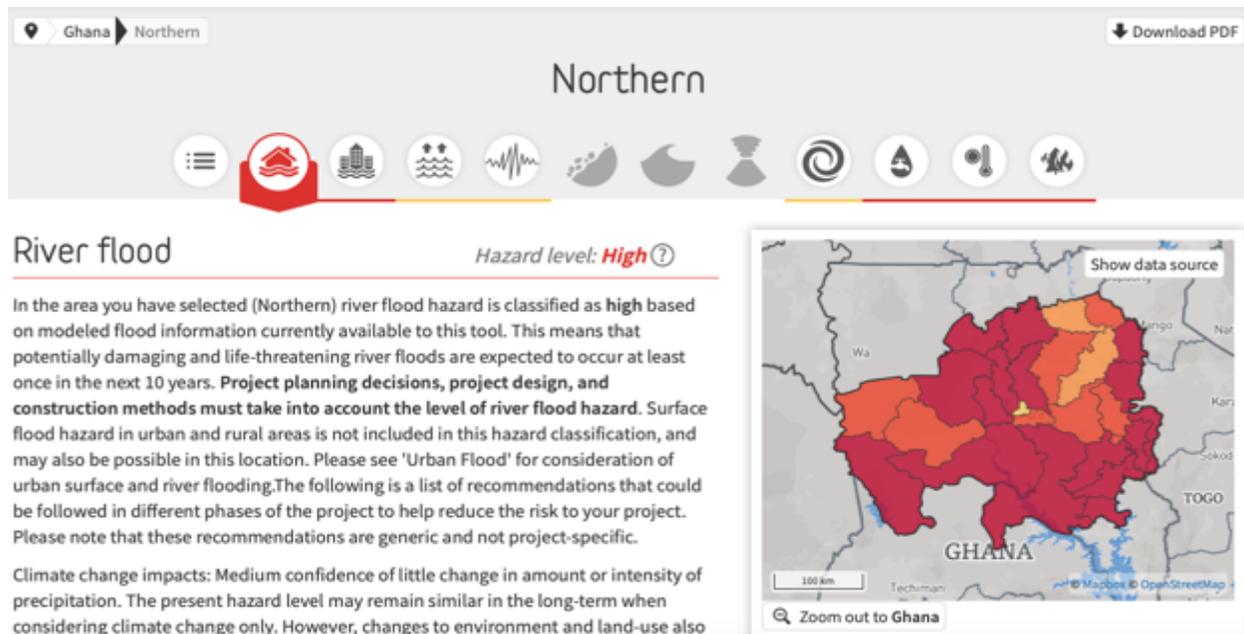
107. Think Hazard

Type of tool: Spatial Dataset, Dataset

Organization: Global Facility for Disaster Reduction and Recovery

Description: ThinkHazard! provides a general view of the hazards, for a given location, that should be considered in project design and implementation to promote disaster and climate resilience.

Website: <http://thinkhazard.org/en/>



108. Toolkit to Enhance Access to Adaptation Finance

Type of tool: Toolkit, Finance

Organization: OECD

Description: This toolkit outlines a spectrum of “tools” that could help the countries navigate the evolving architecture of climate finance and seize opportunities for accessing finance for adaptation.

Website: <http://www.oecd.org/environment/cc/Toolkit%20to%20Enhance%20Access%20to%20Adaptation%20Finance.pdf>

TOOLKIT TO ENHANCE ACCESS TO ADAPTATION FINANCE

For developing countries that are vulnerable to adverse effects of climate change, including LIDCs, SIDS and African states

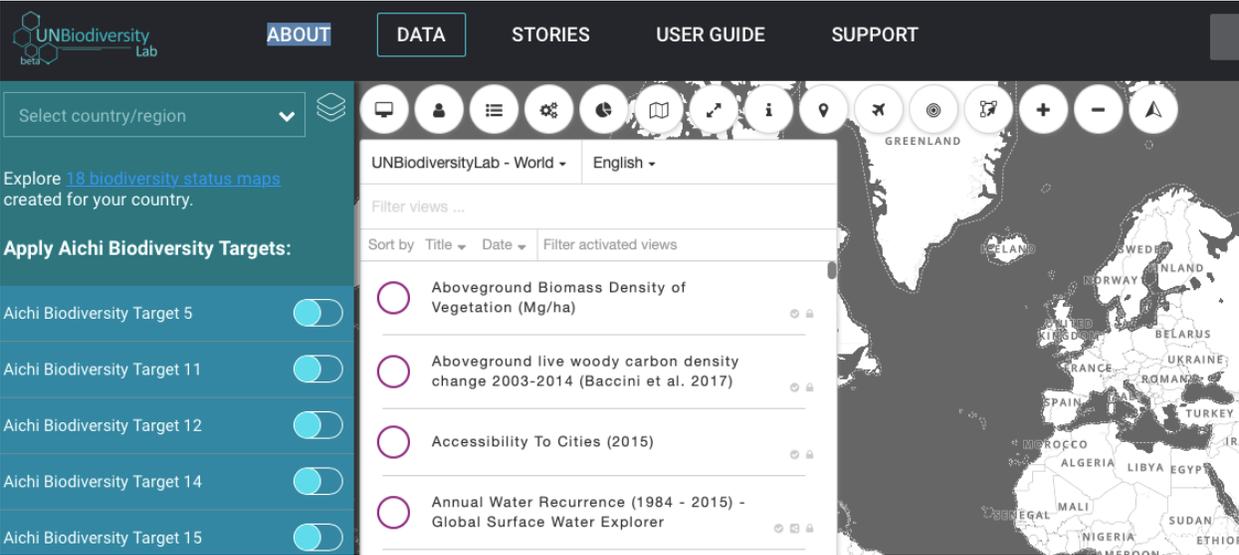
109. United Nations Biodiversity Lab

Type of tool: Platform, Spatial dataset

Organization: UNDP and UNEP

Description: The UN Biodiversity Lab is an online platform that allows policymakers and other partners to access global data layers, upload and manipulate their own datasets, and query multiple datasets to provide key information on the Aichi Biodiversity Targets and nature-based Sustainable Development Goals.

Website: <https://www.unbiodiversitylab.org>



110. Urban Water Blueprint

Type of tool: Spatial Datasets

Organization: The Nature Conservancy

Description: The Urban Water Blueprint examines the state of water in more than 500 cities around the world.

Website: <http://water.nature.org/waterblueprint/#/intro=true>



111. Voluntary LDN targets

Type of tool: Website with key information

Organization: United Nations Convention to Combat Desertification

Description: In this website you can find all the official voluntary Land Degradation Neutrality targets

Website: <https://knowledge.unccd.int/home/country-information/countries-with-voluntary-ldn-targets>

The screenshot shows the UNCCD Knowledge Hub website. The header includes the UNCCD logo and 'United Nations Convention to Combat Desertification' on the left, and 'Knowledge Hub' with a search icon and 'Select Language' on the right. A navigation menu below the header lists 'Home', 'Knowledge Products and Pillars', 'The Science-Policy Interface', and 'Topics'. The breadcrumb trail reads 'Home / Country information / Countries with voluntary LDN targets'. A left sidebar menu is open, showing 'Country information' selected, with sub-items: 'National Focal Points (NFPs)', 'Science and Technology Correspondents', 'Accredited CSOs', and 'Roster of Experts'. The main content area features the title 'Countries with voluntary LDN targets' and a paragraph explaining the LDN TSP program established in 2015. Below the text is a map of the world with a callout box for the 'Russian Federation' that says 'See LDN TSP Country Report.'.

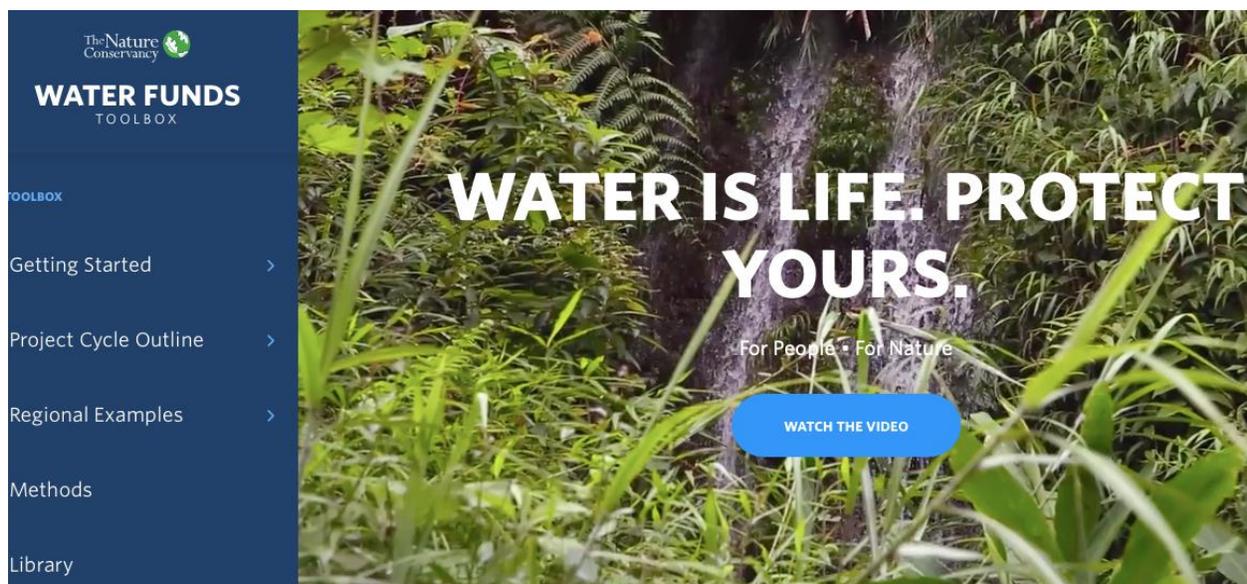
112. Water Funds Toolbox

Type of tool: Toolbox, Finance, Platform

Organization: The Nature Conservancy

Description: Water Funds are organizations that design and enhance financial and governance mechanisms which unite public, private and civil society stakeholders around a common goal to contribute to water security through nature-based solutions and sustainable watershed management. The toolbox has been developed by Water Funds experts to help leaders like you succeed in developing Water Funds.

Toolkits: <https://waterfundstoolbox.org>



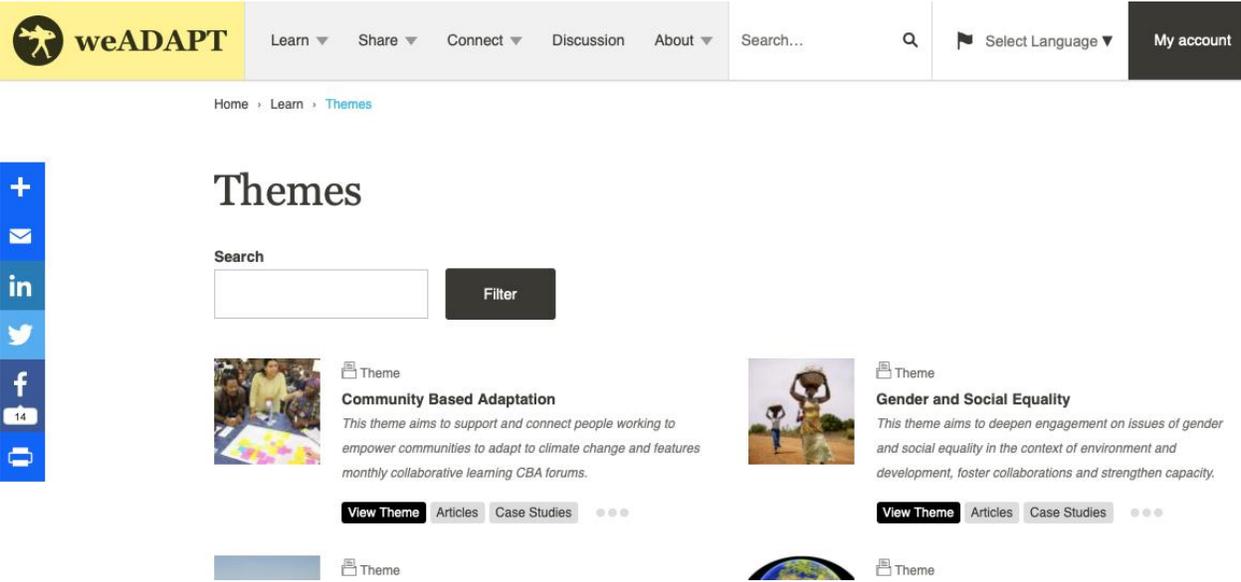
113. weADAPT

Type of tool: Knowledge platform, Assessments

Organization: Stockholm Environment Institute (SEI)

Description: weADAPT is designed to facilitate learning, exchange, collaboration and knowledge integration to build a professional community of research and practice on adaptation issues while developing policy-relevant tools and guidance for adaptation planning and decision-making.

Website: <https://www.weadapt.org/knowledge-base/themes>



114. World bank Open Data

Type of tool: Datasets, Spatial datasets

Organization: The World Bank Group

Description: Hundreds of datasets on global development (economic, social, environmental, etc).

Website: <https://data.worldbank.org>

