
GCA – Accelerating Adaptation

7th Asia-Pacific Adaptation Forum (APAN)

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GLOBAL
CENTER ON
ADAPTATION





GLOBAL
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ADAPTATION

WORLD **32** LEADERS

50 MINISTERS

INTERNATIONAL
ORGANISATIONS

300 SPEAKERS

18,500

REGISTERED PARTICIPANTS ✓

Global Center on Adaptation as Solutions Broker



**GCA's Global
Business Plan
2020-2025
aims to unlock
Adaptation Solutions
for 4 billion people**



**Supporting the
transformational
decade for
adaptation action**

Providing a Platform for Cooperation



North-South cooperation

South-South cooperation

GCA's global network provides the platform to support city to city, country to country, South-South, North-South, and global adaptation needs

We opened our first Regional office in Beijing last year; September 2020 we launched the South Asia and Africa operations

More offices are expected to follow

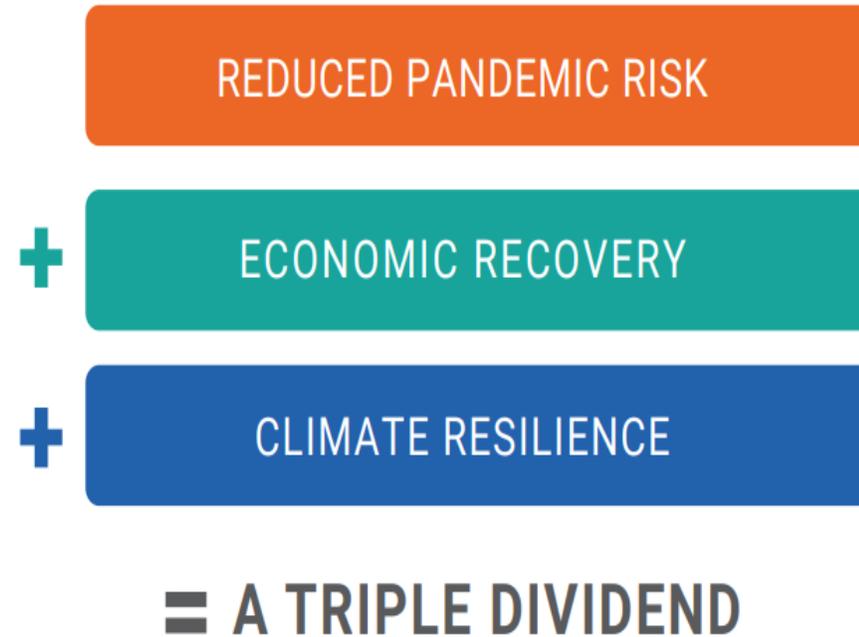
Responding to COVID-19, we must safeguard our future



Accelerating adaptation in key systems for climate and pandemic resilience:

- Ensure food security and strengthen the agricultural value chain
- Increase access to water and sanitation for increased resilience
- Invest in robust job creation through resilient infrastructure

INVESTING IN ADAPTATION YIELDS

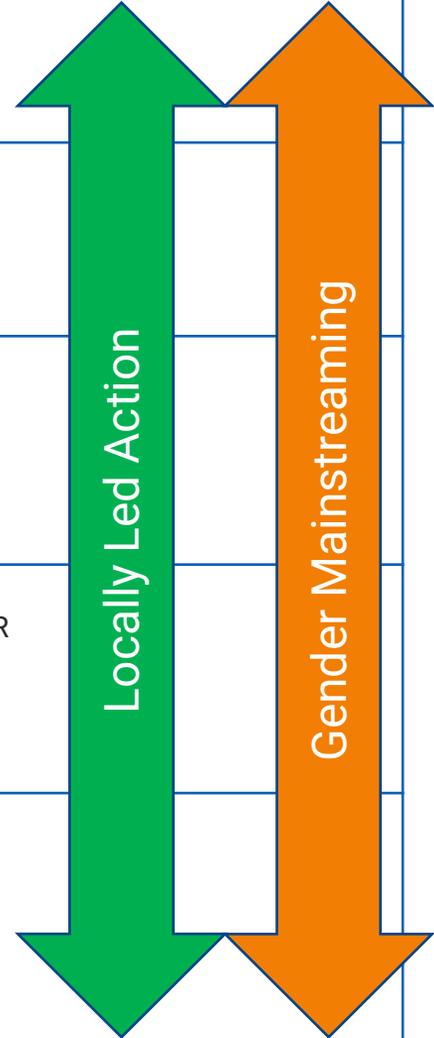


“The real impact of the coronavirus crisis on climate will ultimately depend on the choices we make in how we recover. Meeting the Paris Agreement’s goals for mitigation and adaptation must be central to this effort to ensure we reduce the likelihood of future pandemics”

*- Ali Bongo Ondimba,
President of Gabon and African
Union Champion of the African
Adaptation Initiative*

Source: Adapted from ODI, GFDRR, and the World Bank.

2025 Outcomes	
Water for Urban Growth and Resilience	<ul style="list-style-type: none"> • Support €5 billion of investments in Africa through Water PPF • Support Urban Water investments in at least 30 cities in Africa and South Asia • Water Community of Practice with at least 5,000 members and 50 sub-communities of practice
Nature for More Resilient Infrastructure	<ul style="list-style-type: none"> • Baseline NBS/climate risk assessments of additional countries • Mobilize technical and financial resources to support countries to build resilient infrastructure • Support development of NBS-friendly knowledge; training; and policies for infrastructure • Support AfDB-led Coastal Resilience Research Consortium
Rural Well-being and Food Security	<ul style="list-style-type: none"> • Engage with at least 20 national and sub-national actors for institutional change in 10 to 15 countries • Mobilize €billion financial resources and at least 20 private sector partners • Implement AIF in ten countries, benefitting at least 10 million farmers • Develop and launch Investment Blueprint for climate-informed digital advisories for farmers • Roll out digital tools to reach at least 100 million farmers
Climate Finance	<ul style="list-style-type: none"> • Produce knowledge to understand and promote best practices • Engage key partners, including MDBs and IDFC, to advocate for continued and enhanced financing for A&R • Issuers' and investors' guide to Resilience Bonds • Work with V20 to accelerate adoption of new finance mechanisms • Support growth and dedicated climate-induced disaster risk financing and insurance products
Building Youth Leadership for Adaptation Action	<ul style="list-style-type: none"> • "Climate resilient jobs for young people" • Flagship report with AfDB on youth-led innovation on adaptation • YAS Challenge launch • 1500 young people trained on Adaptation Learning Module (MOOC) • Expand GCA Young Leaders program with 500+ companies • Expand Youth Adaptation Network to _____ countries



Our Work on Knowledge Acceleration



- State & Trends in Adaptation Report
- Online Knowledge Exchange
- Research Tracks
- Disaggregated local-level vulnerabilities and risks
- Learning from Actions
- Non-state, sub-national action & youth

Evidence-based Knowledge for Implementation

Significant Knowledge Gaps exist in climate adaptation

High heterogeneity continues to impede adaptation action

Scalable and replicable projects are needed

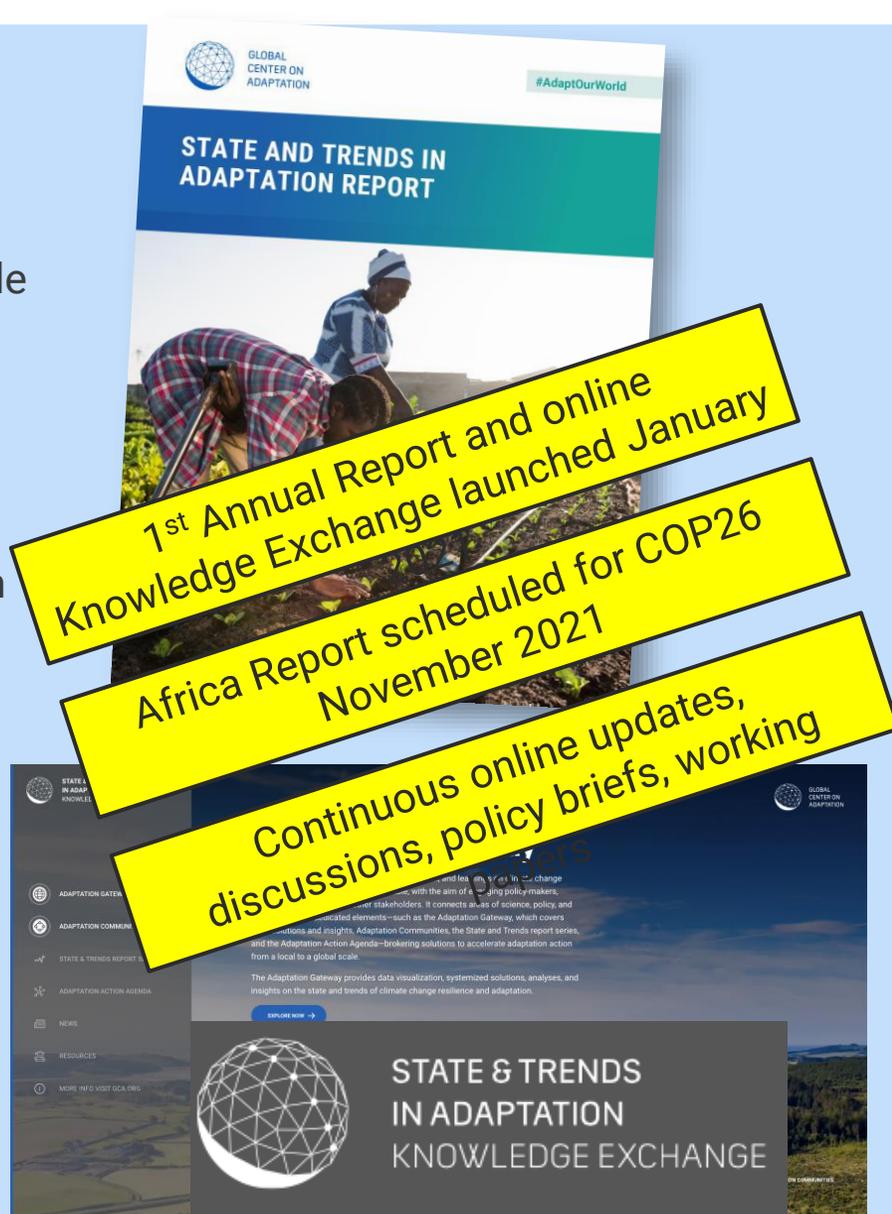
Adaptation needs and solutions take many shapes and forms, depending on context

Systematic framework is essential

Lack of a universal concept for adaptation

Knowledge must be shared

An easy way to access the latest and most useful knowledge



The image shows the cover of the 'STATE AND TRENDS IN ADAPTATION REPORT' by the Global Center on Adaptation, featuring a person working in a field. Below it is a screenshot of the 'STATE & TRENDS IN ADAPTATION KNOWLEDGE EXCHANGE' website interface. Three yellow callout boxes are overlaid on the images:

- 1st Annual Report and online Knowledge Exchange launched January
- Africa Report scheduled for COP26 November 2021
- Continuous online updates, discussions, policy briefs, working

State and Trends in Adaptation Report and Knowledge Exchange will boost:

How we analyze, learn about, and **understand** climate risks and solutions;

How we **plan**, make policy and investment decisions, and implement solutions;

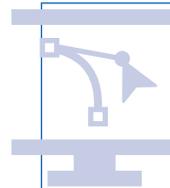
How **financing** flows for adaptation action can continue to increase and reach the most vulnerable.

Niche of the State and Trends in Adaptation Program

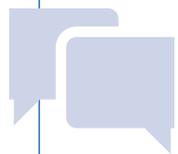
- The State and Trends in Adaptation Report and Knowledge Exchange will not replicate the existing efforts but find its niche in the observed gaps and inspire itself through good practices in the field.



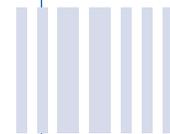
S&T starts **bridging the scaling & data gap** between the large and local scales



S&T provides **comprehensive framework** to draw 'good practice' lessons to overcome barriers.



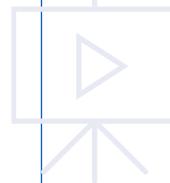
S&T **collects, and analyses largest data set non-state action** – focus on private sector. It will bring a **systematic overview of Youth perspective** on adaptation action.



Moving beyond mere 'showcasing' of adaptation solution as the S&T collects adaptation solutions cases and **integrates in robust assessment framework**.



S&T shows how to **define, measure and monitor progress**.



S&T provides an analyses of key **determinants of successful future action and implementation**.

Key findings and insights

- Adaptation is everybody's business. Climate-change impacts continue to grow in magnitude and frequency. Yet recent progress on adaptation has slowed as a result of the Covid-19 pandemic. The report's policy recommendations are aimed at strengthening Understanding, Planning and Finance.

Understanding

- Measuring progress by state and non state actors.
- Better, open-access climate data collection, widely shared and understood
- Understanding what works, by sharing and learning faster from successful adaptation practices at local, regional, and national level
- Understanding at small geographical scale of climate risks, vulnerabilities, and uncertainties.

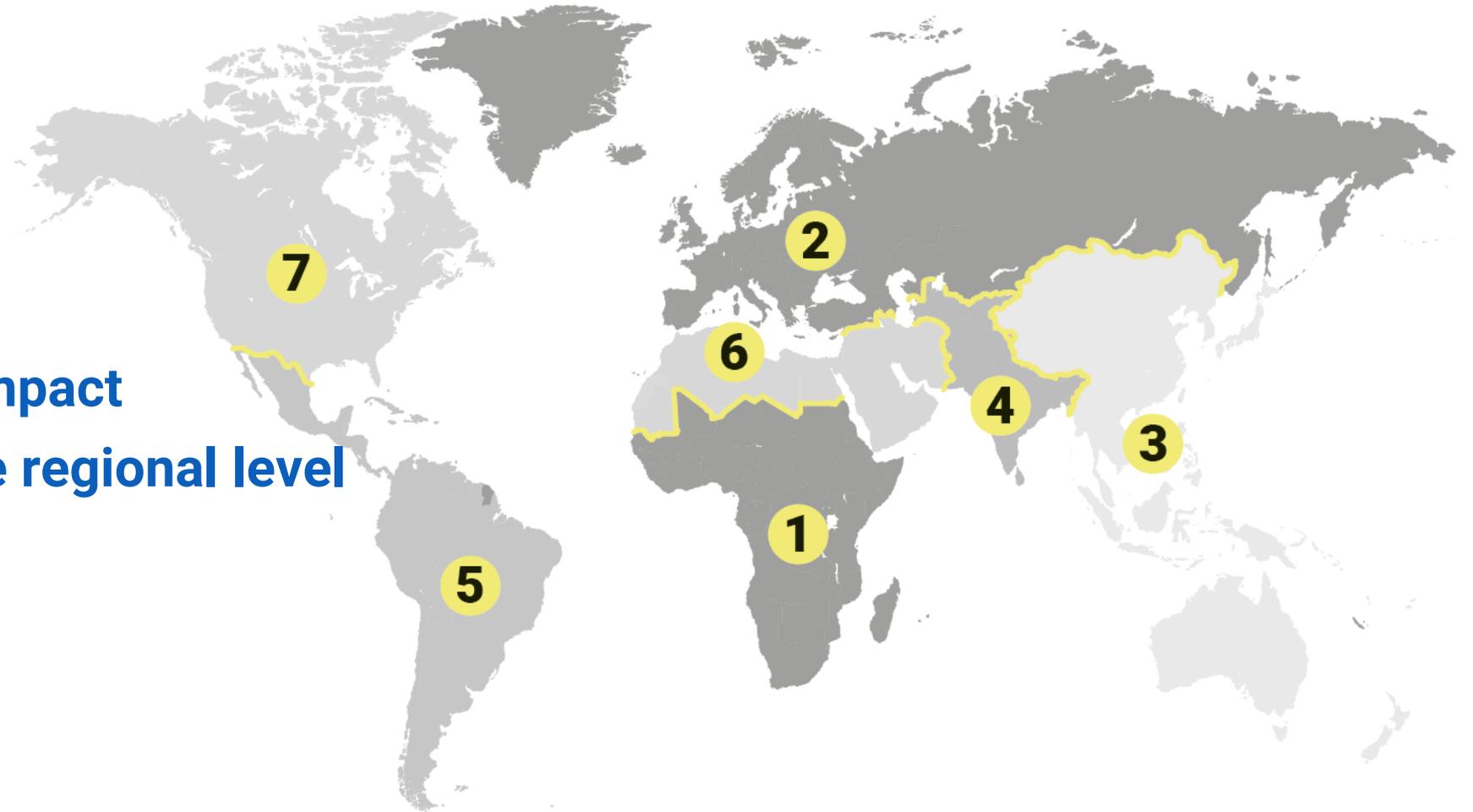
Planning

- Prioritize adaptation interventions in post-Covid recovery plans to improve health, economic stability, and climate resilience of communities
- Policies and subsidies that increase climate vulnerability need to be reformulated
- Government planning needs to embed climate science and risks across all departments & policies
- Stronger governance and technical institutions are required, including at city and sub-national levels.
- NAPs and other adaptation planning tools need to be scaled up, replicated and adapted globally – more adaptation in NDCs

Finance

- Mobilizing new sources of finance for adaptation to help vulnerable communities
- New financial instruments – climate resilience bonds, climate resilience debt swaps and debt relief, new public-private partnerships
- Climate-proofing the global financial system, price & disclose risks
- Increased private-sector funding for adaptation with better integration of physical climate risks into financial decisions
- Targeted delivery, improved access & tracking funds to local vulnerable communities
- Increased public financing for international adaptation efforts

Regional overviews



Global challenge, local impact
Climate adaptation at the regional level

East Asia & Pacific

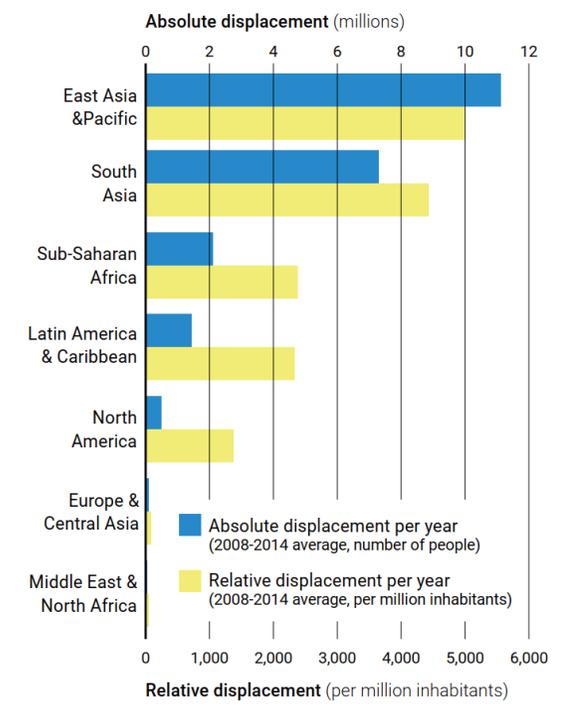
East Asia is home to countries with very densely populated areas, with many people living in low-lying coastal cities or on Pacific islands that are vulnerable to rising sea levels

The region has the highest proportion of weather-related disaster displacement in the world, with millions forced to leave their homes each year

Nature-based solutions ranging from mangroves to 'sponge cities' along



WEATHER-RELATED DISASTER DISPLACEMENT BY REGION – 2008-2014 AVERAGE



SOURCE: IDMC ESTIMATES AS OF 1 JUNE 2015
[HTTPS://PUBLIC.WMO.INT/EN/RESOURCES/BULLETIN/DISASTER-RELATED-DISPLACEMENT-CHANGING-CLIMATE](https://public.wmo.int/en/resources/bulletin/disaster-related-displacement-changing-climate)

The region experiences

70%

of the world's storms and

50%+

of the world's floods

TOP TEN COUNTRIES IN THE ASIA-PACIFIC REGION BASED ON ABSOLUTE AND RELATIVE PHYSICAL EXPOSURE TO STORMS AND IMPACT ON GDP (BETWEEN 1998 AND 2009; AFTER TABLES 1.10 AND 1.11 OF ESCAP AND UNISDR, 2010)

Rank	Absolute exposure (millions affected)	Relative exposure (% of population affected)	Absolute GDP loss (US\$ billions)	Loss (% of GDP)
1	Japan (30.9)	Northern Mariana Islands (58.2)	Japan (1,226.7)	Northern Mariana Islands (59.4)
2	Philippines (12.1)	Niue (25.4)	Republic of Korea (35.6)	Vanuatu (27.1)
3	China (11.1)	Japan (24.2)	China (28.5)	Niue (24.9)
4	India (10.7)	Philippines (23.6)	Philippines (24.3)	Fiji (24.1)
5	Bangladesh (7.5)	Fiji (23.1)	Hong Kong (13.3)	Japan (23.9)
6	Republic of Korea (2.4)	Samoa (21.4)	India (8.0)	Philippines (23.9)
7	Myanmar (1.2)	New Caledonia (20.7)	Bangladesh (3.9)	New Caledonia (22.4)
8	Vietnam (0.8)	Vanuatu (18.3)	Northern Mariana Islands (1.5)	Samoa (19.2)
9	Hong Kong (0.4)	Tonga (18.1)	Australia (0.8)	Tonga (17.4)
10	Pakistan (0.3)	Cook Islands (10.5)	New Caledonia (0.7)	Bangladesh (5.9)

Note: Small Islands are highlighted in yellow

SOURCE: IPCC, 2014: CLIMATE CHANGE 2014: IMPACTS, ADAPTATION, AND VULNERABILITY. PART B: REGIONAL ASPECTS. CONTRIBUTION OF WORKING GROUP II TO THE FIFTH ASSESSMENT REPORT OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE [BARROS, V.R., C.B. FIELD, D.J. DOKKEN, M.D. MASTRANDREA, K.J. MACH, T.E. BILIR, M. CHATTERJEE, K.L. EBI, Y.O. ESTRADA, R.C. GENOVA, B. GIRMA, E.S. KISSEL, A.N. LEVY, S. MACCRACKEN, P.R. MASTRANDREA, AND L.L. WHITE (EDS.)]. CAMBRIDGE UNIVERSITY PRESS, CAMBRIDGE, UNITED KINGDOM AND NEW YORK, NY, USA, PP. 688.



Key actors & best practices



STATE & TRENDS
IN ADAPTATION
KNOWLEDGE EXCHANGE



ADAPTATION GATEWAY



COMMUNITIES OF PRACTICE



STATE & TRENDS REPORT SERIES



ADAPTATION ACTION AGENDA



NEWS



RESOURCES



VISIT GCA.ORG



GLOBAL
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Adaptation Gateway

The Knowledge Exchange makes data, information and lessons learned on climate-change adaptation accessible and actionable, to engage policy makers, professionals, experts and other stakeholders. It connects the domains of science, policy and Practice, through dedicated elements such as the Adaptation Gateway (data, solutions and insights), Communities of Practice, State & Trends report series, and the Adaptation Action Agenda – brokering solutions to accelerate adaptation action from the local to the global scale.

The Adaptation Gateway offers data visualization, systemized solutions, analyses and insights on the state & trends of climate-change adaptation.

EXPLORE NOW →

State & Trends in Adaptation – Knowledge Exchange

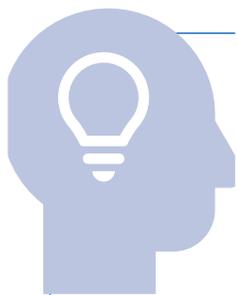


- The **Knowledge Exchange** makes data, information and lessons learned on climate change adaptation accessible and actionable, to engage policy makers, professionals, experts and other stakeholders.
- Main features:
 - **Adaptation Gateway** – The content side of the Knowledge Exchange, will contain at its launch in January 2021:
 - Data maps on **risks and vulnerabilities** to support understanding of adaptation needs;
 - **Adaptation Solutions**, a database with ≈100 adaptation projects analysed through a good practice framework;
 - **Climate Initiative Tracker**, covering ≈300 non-state and subnational adaptation cooperative climate initiatives;
 - **Adaptation Insights**, articles and news items on adaptation related topics;
 - **Resources**, access to the GCA's Advance Certificate course on climate adaptation and governance (*titled: Making Adaptation Happen: Governing Transformation Strategies for Climate Change*), overview of learning materials/courses and the most relevant recent adaptation reports;
 - **Momentum Tracker**, overview of the main climate adaptation conferences/events since 1988.
 - **Adaptation Communities**– Supports information sharing and learning from adaptation actions, providing space for vibrant dialogues. It aims to foster regional and global cooperation and facilitates partnership building.
 - **State & Trends Report Series** – Assimilates the latest knowledge, science and data on climate change adaptation and allows countries and (non-state) actors to track adaptation progress.
 - **Adaptation Action Agenda** – Covers CAS2021 and the sub-sequent AAA launch, which provides a framework for accelerating climate adaptation action – promoting, guiding, exchanging and monitoring climate resilience building together.

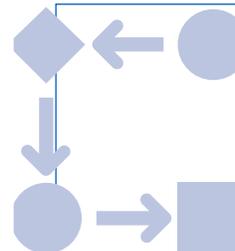
Knowledge acceleration to empower locally led action

Looking ahead

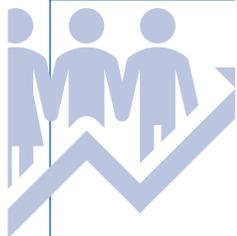
The GCA has initiated four key areas of collaborative work:



Learning from practice by analysing adaptation solutions through a multi-criteria 'good practice' framework to be refined with partners. An increasing number of case studies will support upcoming report editions and will continuously be released online through the Knowledge Exchange



Tracking progress on adaptation by non-state action. While mitigation has been a focus of much published work, major steps are being taken on adaptation. Particularly important in the next years and report editions is to boost data collection and analysis in developing countries, where these are sparse



Tracking progress on adaptation through national indicators across the three dimensions of Understanding, Planning and Finance. Tracking is essential to understand the status of adaptation across the globe and where adaptation is likely to go in the near future. GCA will build on outcome-based approaches, with partners such as GAMI, IPAM, CPI, UNEP, NDCP, MDBs and many others



Disaggregating risks and vulnerabilities at sub-national scales. GCA is developing approaches for geographically disaggregated assessments to allow for prioritization and well-targeted interventions. Understanding adoption drivers at local levels – and their future evolution – is essential to accelerate adaptation



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