



Kingdom of Morocco

## CoP26 UNFCCC Side-event

### Adaptation Metrics: challenges and perspectives

Derwentwater, UNFCCC Pavilion, CoP26, Glasgow, Tuesday 9 November 2021

#### Concept note

The Paris Agreement establishes a Global Goal on Adaptation (GGA), and sets up a harmonized reporting mechanism, the Enhanced Transparency Framework (ETF) through which all parties should report on climate actions. For the adaptation component, countries will be expected to report on progress towards the GGA, and there are to date no standard reporting requirements in relation to the GGA.

Adaptation Metrics are essential to identify, prioritize, monitor and report on adaptation action, allowing for the setting of credible adaptation goals and securing their financing.

However, unlike mitigation (which can be measured in terms of greenhouse gases reduction), there is no simple, unique and universal adaptation metric than can quantify adaptation results holistically. This is not surprising given the complexity and ambiguity of adaptation processes, and the context-specific particularities and needs across regions and sectors (agriculture, water, energy, etc.) and governmental levels (city, regions, nations...).

As a result there is no consensus on what adaptation metrics should look like and how they should be used and investment in adaptation remains well below requirements with difficulties in quantifying adaptation results. Although many indicators have been in use for a long time, there is no commonly accepted, unified metrics applicable across sectors and scales.

The Moroccan COP22 Presidency initiated a reflection on the subject through the organization of a series of international conferences on adaptation metrics, hosted in the Kingdom of Morocco from 2016 to 2019, that led to the creation of the International Platform on Adaptation Metrics (IPAM) on October 2020 ([www.adaptationmetrics.org](http://www.adaptationmetrics.org)).

As a community of practitioners, IPAM will lead a panel debate on how to try to converge efforts for the identification of a common vision of metrics, along with international partner institutions and alliances that are also working on the development of adaptation metrics.

A second panel debate will focus on the needs of the financial sector and the civil society for mapping and evaluation of existing and emerging adaptation metrics to facilitate their effective deployment in projects



## **Programme :**

18:30-18:35	Key note speaker	<ul style="list-style-type: none"><li>▪ IPCC - Abdalah Mokssit, General Secretary</li></ul>
18:35-18:45	Welcome words	<ul style="list-style-type: none"><li>▪ Kingdom of Morocco: Nizar Baraka (Minister of Equipment and Water, former CoP22 scientific committee president)</li><li>▪ CoP26 Presidency: Janet Rogan (Regional Ambassador for the Middle East and North Africa, Eastern Europe and Central Asia)</li></ul>
18:45-19:15	Panel 1=  The science and innovation perspective	<ul style="list-style-type: none"><li>▪ IPAM - Karl Schultz (panel moderator)</li><li>▪ ARA - Jesse De Maria-Kinney</li><li>▪ CGIAR- Evan Girvetz</li><li>▪ GAP-Track initiative/IDDRI - Alexandre Magnan</li><li>▪ OECD - Mikaela Rambali</li><li>▪ R2R - Aine Ni Bhreasail</li><li>▪ UNEP-DTU - Henry Neufeldt</li></ul>
19:15-19:40	Panel 2=  Donors, government and civil society perspective	<ul style="list-style-type: none"><li>▪ UN SDSN Andes - Alex Godoy-Faundez (panel moderator)</li><li>▪ AfDB - Louali Garba</li><li>▪ B.C. Government - Jeremy Hewitt</li><li>▪ IsDB - Daouda Ndiaye</li><li>▪ M6FE - Ayman Cherkaoui</li><li>▪ UR - Margot Hurlbert</li><li>▪ WBG - Ioannis Vasileiou</li></ul>
19:40-19:45	Wrap-up and closing	<ul style="list-style-type: none"><li>▪ Karl Schultz and Alex Godoy-Faundez</li></ul>

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## **List of Acronyms:**

- AfDB - African Bank of Development
- AAAi - Initiative Adaptation of African Agriculture
- ARA - Adaptation Research Alliance
- B.C. Government- Government of British Columbia
- CGIAR - Consultative Group on International Agricultural Research
- ICAT- International Center for Tropical Agriculture
- IDDRI - Institut du Développement Durable et des Relations Internationales
- IPAM - International Platform on Adaptation Metrics
- IPCC - Intergovernmental Panel on Climate Change
- IsDB - Islamic Development Bank
- M6FE - Fondation Mohammed VI pour la Protection de l'Environnement
- OECD - Organisation for Economic Cooperation and Development
- R2R - Race to Resilience
- UNEP-DTU -Partnership UN Environment -Danish Ministry of Foreign Affairs- Technical University of Denmark
- UN SDSN -United Nations Sustainable Development Solutions Network
- UR - University of Regina
- WBG - World Bank Group

## **Speakers bios :**

**Abdalah Mokssit** is the Secretary of the Intergovernmental Panel on Climate Change (IPCC).

Trained as a mathematician, former Director of the Moroccan National Meteorological Service, he is a former Vice-Chair of IPCC Working Group I, which deals with the physical science basis of climate change. He is also a former Third Vice-President of the World Meteorological Congress of WMO and was member of several WMO commissions including the Commission on Climatology and the Commission for Basic Systems. He has been appointed Secretary of the IPCC in 2016, taking the direction of its Headquarters located in the World Meteorological Organization in Geneva

**Nizar Baraka** is the minister of Equipment and Water of the Kingdom of Morocco. Prior to this, he was President of the Economic, Social and Environmental Council of Morocco. He also chaired the Scientific Committee of Cop22. Mr Baraka taught at the University of Rabat and the National Institute of Statistics and Applied Economics, then he joined the Ministry of Finance in 1996 where he held a variety of positions, including that of Deputy Director of the Department of Studies and Financial Forecasts. Between 2007 and 2012, Mr. Baraka was Minister Delegate to the Prime Minister for Economic and General Affairs then Minister of Economy and Finance (2012-2013).



**Janet Rogan** joined the FCO (now FCDO) in 1986. She has served in the Far East, the Balkans, the Middle East, and Africa, and has worked with NATO (as UK Political Adviser) and the United Nations (as a UN Resident Coordinator). She has wide policy, development and humanitarian experience across post-conflict and fragile states, and in bringing the principles of the Sustainable Development Agenda 2030 and the global Climate Change Agreements together for wider strategic goals, including COP26.

**Karl Schultz** chairs the steering committee of the IPAM and is co-author of the Adaptation Metrics Mapping Evaluation (AMME) Framework. He is creator of the climate Vulnerability Reduction Credit (VRC™) mechanism for evaluating and sustainably funding climate change adaptation, and co-founded of The Higher Ground Foundation, that manages the VRC Standard, tools and programs. After a career start in the Climate Protection Division of the US Environmental Protection Agency, he co-founded of a number of businesses and initiatives, in the clean energy, energy and climate consultancy, and digital climate applications areas.

**Jesse De Maria-Kinney**, head of ARA secretariat, has 15 years' experience with international and local NGOs and the United Nations (UNESCO and UNV) working at the interface of science-policy-practice in Asia, Africa and Latin America. His work has focused on the thematic areas of climate change adaptation, nature-based solutions and Research for Impact. He is currently Deputy Director of PlanAdapt and Head of the ARA Secretariat.

**Evan Girvetz** is a Principal Scientist and Global Program Leader, Finance and Investments for Climate Action, at the International Center for Tropical Agriculture (CIAT). His research spans agricultural risk management, climate-smart agriculture (CSA), agricultural investment planning, and sustainable agricultural intensification. He works on these issues globally through innovative partnerships with private sector, NGOs and key public sector partners, including the World Bank, African Development Bank, USAID, African Union, government agencies. He is widely published with his research being featured in top media (the San Francisco Chronicle, Seattle Times, New Scientist magazine and Financial Times of London).

**Alexandre Magnan** is developing research on vulnerability and (mal)adaptation to climate change at IDDRI. He is particularly interested in understanding trajectories of vulnerability and adaptation pathways on the ground (fieldworks in coastal areas and small islands in the Indian and Pacific oceans), as well as methods to assess adaptation progress at the global level. He is an IPCC author (Special Report on Oceans and Cryosphere, and Sixth Assessment Report).

**Mikaela Rambali** is a policy analyst in the OECD Resilience, Adaptation and Water team. Since joining the OECD in 2014, she has worked on a range of issues related to climate change adaptation and mitigation, as well as on environmental performance and indicators. She now leads the work on measuring progress in implementing national adaptation policies. She has authored several reports, including on nature-based solutions, adaptation and mitigation linkages, as well as developed country reviews. Prior to the OECD, she worked at the French utility EDF.



**Áine Ní Bhreasail** is a chartered civil engineer, with experience in designing resilient infrastructure and advising on tools and approaches to make infrastructure resilient throughout its lifecycle. Seconded into the High Level Climate Champions from Resilience Shift, she is the metrics lead for the Race to Resilience (R2R) campaign, where her role is to manage the creation of R2R metrics, collect data from our partners, and maintain links with external organizations regarding metrics.

**Henry Neufeldt** is Head of the Impact Assessment and Adaptation section at the UNEP DTU Partnership in Copenhagen. He has more than 20 years of experience in international research for development and policy advice on climate change mitigation and adaptation in natural resource management, agriculture and forestry, biomass energy, and food security. He currently leads UNEP DTU Partnership's work on climate risks and transparency in adaptation under the UNFCCC. He is also the chief editor of the UNEP Adaptation Gap Reports and a lead author on the IPCC Working Group 2 Sixth Assessment Report

**Alex Godoy Faunder** is former HLPE at CFS-FAO and Doctor Honoris Causa at the University of Wisconsin - Green Bay. Today, Alex is Associate Professor and Director of Sustainability Research Center at School of Engineering at Universidad del Desarrollo (Chile); Research Associate to Earth Engineering Center at Columbia University; expert reviewer for Race to Resilience, Review Editor of WGIII - IPCC AR6 and representative of UN SDSN Andes Region.

**Laouali GARBA** is Manager of Agricultural research, production and sustainability from African development Bank (AfDB). He has over 25 years of experience in i) Research and development, ii) Climate smart agriculture projects design and implementation, iii) Environmental and social safeguards and iv) Partnerships and Resource mobilization. Since 2011, with the African Development Bank, he is working on promoting a sustainable and resilient agriculture development for food and nutrition security in Africa by among others scaling-up the deployment of climate smart agriculture technologies and facilitating access to resilient infrastructure to farmers and pastoralists.

**Jeremy Hewitt** is Assistant Deputy Minister for Climate Change Strategy at the Ministry of Environment and Climate Change Strategy. In this role he works with the Climate Action Secretariat, developing and delivering B.C.'s climate action agenda. This includes reducing carbon pollution and preparing for the impacts of a changing climate in partnership with Indigenous Peoples, local governments, business and non-governmental organizations. Jeremy first worked at the Climate Action Secretariat between 2007-2011 and has held positions with the Ministry of Transportation, the Ministry of Jobs, Trade and Technology and the Intergovernmental Relations Secretariat.

**Daouda Ndiaye** is a Senegalese national, with 15 years of experience in environmental and climate change adaptation projects in Africa and other regions. He is currently the Acting Head of the Climate Change Practice at IsDB. Daouda is a member of the Executive Committee of the Adaptation Benefits Mechanism, chairing the Methodology Panel of the Mechanism, and is also co-chairing the joint MDB Working Group on Adaptation and Resilience.



**Ayman Cherkaoui** is the Coordinator for the Mohammed VI Prize for the Climate and Sustainable Development and Strategic Development Officer at the Mohammed VI Foundation for Environmental Protection. He is the Deputy Chair for the IUCN World Commission on Environmental Law. He is also Regional Facilitator of Major Groups and Stakeholders, Africa, elected by African organizations accredited to UNEP. Previously, he was Executive Director of the Global Compact Local Network in Morocco for UNDP/CGEM, Special Advisor to the Presidency of COP22 as well as Legal Advisor to the Environment Minister of Morocco, Judge for the SDG Action Awards, and worked for Valyans Consulting and the International Air Transport Association.

**Margot Hurlbert** is a Canada Research Chair in Climate Change, Energy and Sustainability Policy at the Johnson-Shoyama Graduate School of Public Policy at the University of Regina. Margot has published numerous books, journal articles, chapters and papers on climate change, energy, droughts, floods, water governance and sustainability. In addition to her work with the Intergovernmental Panel on Climate Change, she is a director of the Multicultural Council of Saskatchewan.

**Ioannis Vasileiou** is an Agriculture Economist in the World Bank's Climate- Smart Agriculture (CSA) Team. His work focuses on both analytics on CSA, climate change corporate requirements for investment projects and global engagement on resilience and climate change mitigation. Before joining the World Bank, Ioannis worked as a Program Manager at the International Food Policy Research Institute (IFPRI), as a Science Officer for the CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), as well as in the European Commission and at the United Nations.

**Karim Anegay** has more than 20 years of experience as a field zoologist/ecologist (mangrove crabs in Venezuela, fisherfolk livelihood in the Philippines, houbara bustard in Saudi Arabia, in Morocco: alternative cultures to cannabis, setting up Khenifiss National Park, valorization of cactus and oasis land products...). Since 2016, he served as a coordinator for the Scientific Committee of CoP22, and organized four international events dedicated to Adaptation Metrics, on behalf of COP22 and GiZ. He now serves as a coordinator of IPAM secretariat, on behalf of the Foundation AAA Initiative.