

Committee Introductory Web Meeting Series:

Water Committee
29 March 2021



The meeting will start soon

Secretariat : ipam@aaainitiative.org || <http://www.adaptationmetrics.org/>

IPAM Committee Introductory Web Meetings

Guidelines for your participation in this web meeting:

1. You have been automatically muted upon entering the session.
2. We kindly ask you not to unmute yourself until you are given the floor.
3. Videos are all turned off except for the person who is speaking, to save bandwidth. You will be allowed to turn on your video, if you wish, when you are speaking.
4. Please insert your (short) affiliation together with your name ([go to: participants>more>rename](#)).
5. (Brief) Q&As follow each presentation
6. To take part in the discussion, please raise your hand ([go to: participants>more>raise hand](#)).
7. You can also use the chat box to type your questions that will be answered during the final discussion.

Thank you for agreeing to these “rules of the game”

International Platform on Adaptation Metrics

Techniques and Tools : March 22, 2021

Cities : March 25, 2021

Water : March 29, 2021

Agriculture : April 7, 2021

**IPAM Webinar Series Introductory Meetings
aimed at Working Groups Constitution/Structure/Recruitments**



Water Committee Introductory Meeting

Driss Ouazar
Chair of Water Committee

African scientific Research and Innovation (ASRIC)

Water Committee: ipamwater@aaainitiative.org
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Agenda

1. IPAM vision and structure
2. Adaptation Metrics Mapping and Evaluation (AMME) Vision

Q&As (chat box)

3. IPAM Water Committee

Water adaptation metrics Committee Goals and Structure

Think Tanks or Working Groups

Constitution/Structure/Recruitments

4. Next Steps:

Next meeting agenda

Why and how to join

Q&As (live discussion)

1. IPAM

The origins of IPAM

- **Origins:**
 - 3 conferences on adaptation metrics (2016-2018):
 - The first one organised by the Moroccan COP22 Presidency: resilience, SDGs and sectoral
 - 2017 and 2018 discussed Agriculture, Water and Cities sectors
 - 2019 Workshop to create an International Platform on Adaptation Metrics
 - Mandate: dedicated space to convene and focus expertise on the challenges of adaptation metrics
 - The **challenge** is to find appropriate measurement units that are sufficiently simple, practical, usable and effective and that reflect specifically the progress in adapting to climate change as well as facilitate learning in the context of actionable monitoring and evaluation systems.
- **Officially Launched as an ALLIANCE on May 22, 2020**



- Document: "IPAM in a nutshell" [link](#) ALLIANCE

IPAM Today

Period of recruitment, program development and fund-raising:

- Governance by Steering Committee of founding institutions
- Secretariat is AAA Foundation
- Seeking members and sponsorship
- Organizing sectoral/function committees
- Participating in variety of adaptation and resilience initiatives/collaborations
- Developing Work Program

After this interim period, IPAM will reconstitute with refined legal and governance framework

MEMBERSHIP OPENING

International Platform on Adaptation Metrics

November 5, 2020 9:00-10:30 UTC and 4:00-5:30 UTC

The Steering Committee of the International Platform on Adaptation Metrics (IPAM) cordially invites you to join us for our membership and activities launch.

Adaptation metrics are essential in order to assess vulnerability, risk, resilience and climate impacts, to track implementation of adaptive responses and to monitor and measure adaptation results. The formulation of standardized adaptation metrics is one of the great trans-disciplinary challenges of our time. Building knowledge and consensus on adaptation metrics is critical for climate adaptation policy and business imperatives at all scales, functions, and sectors, to articulate and meet the goals of the Paris Agreement on climate change and for investment decision-making at scale.

Following a planning workshop of November 2019, formation of a Steering Committee, and consultations throughout this year, we are launching IPAM so as to find common purpose to address these concerns, and invite you to the platform launch so you can learn about our plans and membership options, to seek your feedback on our plans, and to encourage your active participation.

Launch Agenda:

- Welcome and Introducing IPAM: IPAM chair
- Keynote Address: Secretary General, Intergovernmental Panel on Climate Change (IPCC)
- Opening word: Director General of the AAA Initiative Foundation, IPAM's secretariat
- Introduction to Subcommittees: Water/ Tools & techniques/ Agriculture/ Cities
- Membership Charter, Options and Benefits
- Proposed Adaptation Metrics Mapping and Ev
- Discussion and Wrap-up

IPAM International Platform
on Adaptation Metrics

www.adaptationmetrics.org

IPAM's Current Committees

Agriculture



Riad Balaghi

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Cities



Marta Olazabal

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Water



Driss Ouazar

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Techniques and Tools



Karl Schultz

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2. Adaptation Metrics Mapping and Evaluation (AMME) work program

AMME Work Program

AMME Objectives:

To generate and share knowledge that

- Supports practitioners, funders, policymakers and research community taking into account Variety of contexts - needs, use, capacity, sector, scale, and timeframe
- Builds on existing and emerging adaptation metrics and harmonize .

Program Approach:

- Strong “user-need” approach: informs evaluation framework
- *Projects/initiatives* defined/led (mainly) by committees
- Modular framework: *Projects/initiatives* may be broken down to meet specific purposes (e.g. funder/user priorities) within a coherent, harmonized approach

Proposed AMME phases

Short-medium term

...

Long term

Phase 1: Mapping/Evaluating

- Definitions and frameworks
- User purposes/standards
- Survey and evaluate metrics
- Define tools and techniques required for metrics creation and use

Know the user and the needs landscape

Phase 2 - Creation of an open source platform:

- Geographic database for data collection from ongoing initiatives / projects
- Metrics generation and use from data to modelling
- Capacity building and metrics sharing

Strong interactive, sharing approach

AMME: Next Steps

Ongoing

- Further develop the work program concept (*March-May 2021*)
with inputs from IPAM members
- Identify organizations interested in supporting initiative:
seeking multi-stakeholder support to strengthen buy-in and expert/financial resource-base
- Share work program concept with interested supporters
to refine concept and secure resources/funding

Planned

- Generate a trans-committee driven initiative
To harmonize understandings of metrics and governance frameworks
To strengthen connection with sectoral experts and users + tool builders
- Regular updates on AMME's progress
to broader IPAM/stakeholder community



Q&As

IPAM or AMME related

3. Adaptation metrics for **Water Issues**

Water – Complexity & Dimensions

Sources of water

- Conventional - Rainfall (Primary): Collected directly from catchment surfaces, drawn from streams, rivers and lakes, or recovered from underground through springs and wells - Surface Water /Groundwater
- Unconventional
 - Waste Water Treatment and Reuse,
 - Desalination of Brackish and Seawater
 - Water Harvesting

Dimensions

- Complexity (Processes, Many Disciplines, natural media, uncertainties, heterogenous data, big data, deterministic, stochastic)
- Strong link to Socio-Economical and Cultural Aspects
- Spatial Geographic Dimension
- Population Growth

Key Success (S E H A)

- **Share:** Key success to management
- **Explore:** Enabler for innovation ecosystem

Poll 1:

What is your area of expertise?

(multiple choice allowed)

IPAM Water - Complexities

Economical and Financial Issues

- Stakeholders
- Financial mechanisms: plans, PPP, BOT, etc.
- Water projects appraisal

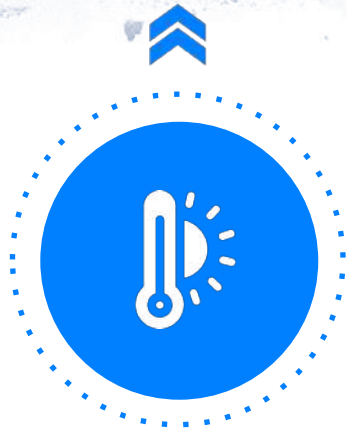
Regulation and Institutional Issues

- Water policy
- Environmental considerations (quality standards, Environmental Impact Assessment, etc.)
- Governance bodies

Human and Social Issues

- Partnership involvement
- Participative approach
- Poverty reduction
- Socio-Economic Impacts

IPAM Water – Climate Constraints



Temperature

0,85 to 4 °C in 2100
0,2 ° - 0,4 ° per decade



Snow

Less than 25% North
And 50% South



Sea Level

0,3 to 2,5 m in 2100
1.2 - 2,2 mm per Year



Extreme Storms

5 x more frequent

IPAM Water – SDGs Constraints

Sustainable Development Goals (SDG 6)



Why a Water Committee?

Water Adaptation is a requirement for :

- Resource itself (water as a good and risk - quality, quantity)
- Form (surface or groundwater, unconventional)
- Multiple Usages (agriculture, domestic and industrial, nature)
- Approaches and methodologies to quantify, protect (risk related analysis), plan and manage, and implement adaptation actions to include climate change effects and impacts (methodologies, metrics and techniques)

Poll 2

Water Issues:

What are you most interested in?

(multiple choice allowed)

IPAM Water - Objectives

- Sensitize and highlight the value of water in terms of quality, quantity, and usages, and the importance of wise and rational use
- Promote water related data observatories especially in Africa – Data matters for further steps
- Estimate the impact of climate changes on all types of water resources and hydraulic infrastructures
- Develop new methods and realistic assumptions for hydraulic infrastructures calculation
- Put more emphasis on education through tutorials online, and discussion's forums and portals
- Co-develop, co-construct, share, evaluate, methods and techniques, integrated planning (IWRM and Nexus combined paradigms), decision making, water metrics

IPAM Water – Working Groups for What?

WHY?

- Nationally Determined Contributions (NDCs) and National Adaptation Plans (NAPs)
- Lack of implementation procedures
- No Monitoring and Evaluation
- Inexistence of commonly acceptable adaptation metrics

HOW?

IPAM Water Think tanks or Working Working Groups

- Conventional Surface Water
- Conventional Groundwater
- Unconventional Water

IPAM Water – Working Group's Potential Tasks

Collaboration Types

- Advise
- Support the coordination of the Committee.
- Suggest new ideas, projects
- Produce effective work and eventually positioning papers oriented towards overall IPAM objectives with focus on Water IPAM Objectives
- Participate in outreach activities/Sponsoring issues
- Sharing information, experience and expertise
- IPAM Water Scientific Animation
- Others?

Activities

- Working Group's meetings
- Projects/initiatives: initiate, design, implement, raise funding, collaborative work, Collaborative positioning papers, tutorials
- Capacity building and reinforcement (Human/Institutional)

IPAM Water – Research Questions

- Integration of climate change risks and adaptation concerns into project planning and design, for more climate-resilient development and proactive planning
- Adaptation embodied hydraulic infrastructures design in conjunction with planning, policy, budgeting, capacity building, governance, and our behavior towards water
- Sharing experience and expertise effectively through all the adaptation process from parameters/factors, unknowns of adaptation, key challenges encountered and key solutions to meaningful case studies (success and/or failure)
- Approaches and methodologies to quantify, protect, plan and manage, and implement adaptation actions to include climate change effects and impacts
- Water Interaction with Agriculture, cities, Tools and Techniques , ..
- Constitution of IPAM Water Working Groups

Poll 3

How would you like to contribute?

(multiple choice allowed)

5. Next Steps

Ongoing activities within IPAM Steering Committee

- Recruitment of members and supporters
- Development of the AMME work program
- Constitution and Recruitment of working groups
- Participation in diverse initiatives (R2R, ARA, ..)
- Organisation/contribution to events related to adaptation metrics (Adaptation Futures, COP26, WASP...)

Next meetings for IPAM members

1. **AMME** work program feedback *(mid-late April)*
2. **IPAM Water** committee first **work meeting** *(mid-late April)*



Series of open webinars

A series of **committee-specific webinars** will be organised in **late spring**:

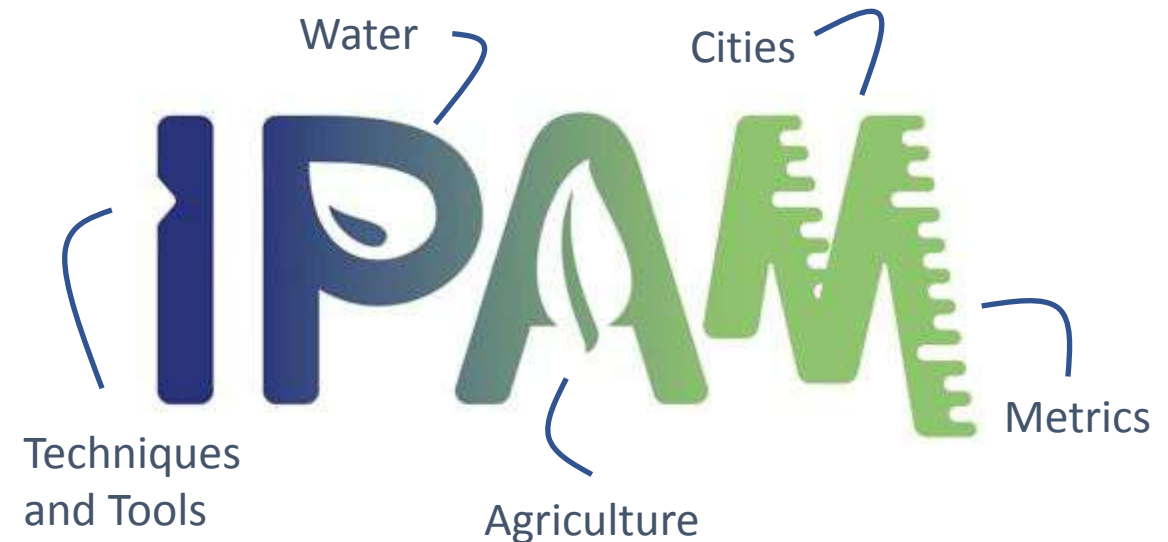
- **Open to all** (*informative*)
- Agenda:
 - Discuss committee governance
 - Discuss committee activities
 - AMME work program presentation
 - Others



Join IPAM and its committees to participate

Membership is required to participate in committees and access information platform

- **Institutional Members** (voting members in Steering Committee, [contact us](#)).
- **Associate Members** (to be associated as an individual, and involved in topic-oriented committees, [sign a charter](#)).
- **Sponsors** (don't need but can be involved in committees or events, [contact us](#)).
- Anyone interested can sign up to the **mailing list**



CONTACT: ipam@aaainitiative.org

MORE INFO: <http://www.adaptationmetrics.org/join-ipam>

Discussion

Q&As

Please, raise your hand.

International Platform on Adaptation Metrics

Secretariat : ipam@aaainitiative.org
Techniques and Tools : ipamtools@aaainitiative.org
Water : ipamwater@aaainitiative.org
Agriculture : ipamagriculture@aaainitiative.org
Cities : ipamcities@aaainitiative.org

Thank you very much for your participation.

IPAM International Platform on Adaptation Metrics



Thank you