International Conference on

Adaptation Metrics & Techniques for Water, Agriculture & Resilient Cities

October 26-27, 2018

Outreach Event on the IPCC Special Report on 1.5 degrees, October 26, 2018

Advanced Courses, October 24-25, 2018

MOHAMMED VI POLYTECHNIC UNIVERSITY (UM6P)
Benguerir, Morocco
Adaptation is now recognized as an important and inevitable way to ensure the preservation and development of various climate-sensitive socio-economic sectors. The established adaptation goals/objectives, however, cannot be achieved, without appropriate techniques and tools for monitoring and evaluating their accuracy and effectiveness. International donors and funding mechanisms increasingly require specific methods for evaluating the success of adaptation activities. Sector institutions are also required to monitor progress towards the Sustainable Development Goals (SDGs) at the national level.

The Moroccan COP22 Presidency organized a first international conference on adaptation metrics (on September 27, 2016) with the main objectives of assessing and fostering the development of a set of transferable indicators to measure and track the success of adaptation projects. The conference highlighted the importance of a sectoral approach and the possibilities for developing transversal metrics by sector.

A second international conference on adaptation metrics, the first to be sector-oriented, was organized by the Moroccan COP22 Scientific Committee as the last conference of the Moroccan COP22 Presidency. It was hosted by the University Mohammed VI Polytechnic (UM6P) on October 6-7, 2017 and was mainly focused on water and agriculture.

In continuity with this Adaptation Metrics for Agriculture and Water conference and due to the importance of the topic of adaptation metrics as a key driver for informed and impactful decision making, it was decided to sustain the organization of the conference series within the University UM6P. Thus, an Adaptation Metrics Cluster has been created and hosted at the UM6P. The title of the Cluster was extended to "Adaptation Metrics and Techniques for Agriculture, Water and Resilient Cities". This cluster aims to be a tool for helping the scientific community, especially in Africa, to follow up its work and to develop efficient methodologies in the area of adaptation metrics and monitoring tools. The "Resilient Cities" element has been added intentionally to create/enhance/bring/capture dimensions of robustness, thriving/wealth, health, justice, viable economy and sound environment in communities. Cities and their citizens have already begun experiencing the effects of climate change and making them more resilient to climate-related disasters is becoming a more and more imperative. The nexus is also based on the fact that in an ever more urbanized world, water management and agriculture (food security) remain the pillars of resilient development.

Within this context, an "International Conference on Adaptation Metrics and Techniques for Water, Agriculture and Resilient Cities" will be organized by the UM6P university on 26-27 October, 2018 in Benguerir (Morocco).

The conference aims to gather researchers, experts, and practitioners from different countries and international organizations to present and discuss the state of the art techniques, metrics and monitoring tools for adaptation in the fields of Water, Agriculture and Resilient Cities.

The way forward and the priorities in research and development related to the topic will be also discussed. The conference will accord special focus to Africa and will undertake a first stocktake of capacity development needs related to adaptation metrics and monitoring tools in the continent.

The conference will begin with an IPCC Outreach Event on the main findings and results from the Special Report on 1.5 degrees focusing on adaptation, taking the opportunity of the publication of the Special Report in early October 2018. A panel of high level IPCC representatives and experts will provide valuable inputs for the conference.

Representatives from governmental institutions, local authorities, and climate negotiators from Africa as well as media representatives will also participate in the conference events.

Prior to the Conference, advanced courses (tutorials) on "Adaptation Metrics and Techniques for Agriculture and Water", aiming at building the capacities of participants, mainly from Africa, will be organized for October 24-25, 2018 (see attached document).
The main outcomes expected from this conference consist of:

- Information diffusion and raising awareness about new adaptation techniques/projects relating to each of the three sectors and associated monitoring tools,
- Information diffusion and raising awareness about new developments in the area of adaptation metrics,
- Information and outreach about the main findings of the IPCC Special Report on 1.5 degrees, related to adaptation,
- Developing a first stocktake on the needs for adaptation research development in Africa, especially the monitoring tools and metrics,
- Enhanced networking among adaptation techniques and metrics development communities globally,
- Information diffusion about the Adaptation Cluster being developed at UM6P and its objectives and content,
- Capacity building enhancement.
## DRAFT AGENDA

### Day 1  October 26, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>08:00 - 09:00</td>
<td>Registration</td>
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<tr>
<td>09:00 - 09:30</td>
<td>Opening ceremony (Government, IPCC, OCP, GiZ and local host representatives)</td>
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| 09:30 - 11:00 | • Presentation on: the main outcomes of the IPCC SR on 1.5 degrees (SR 1.5)  
                   • Presentation on: the adaptation in the context of the IPCC SR 1.5  
                   • Presentation on: adaptation metrics and techniques knowledge  
                   • Discussion                                                          |
| 11:00 - 11:30 | Coffee break                                                              |
| 11:30 - 12:30 | • Panel discussion on SR1.5 with focus on adaptation in Africa  
                   • Synthesis within the context of adaptation metrics and techniques especially for water,  
                     agriculture and resilient cities                                     |
| 12:30 - 14:00 | Lunch break                                                               |
| 14:00 - 15:00 | Key note presentations: New findings and challenges related to adaptation metrics and techniques for water |
| 15:00 - 16:00 | Panel 1                                                                   |
| 16:00 - 16:15 | Coffee break                                                              |
| 16:15 - 17:00 | Break-out session                                                         |
| 17:00 - 17:30 | Synthesis of the session                                                  |
| 17:30 - 20:00 | Visit to Water Museum in Marrakesh & Gala Dinner                           |

### Day 2  October 27, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>09:00 - 10:00</td>
<td>Key note presentations: the new findings and challenges related to adaptation metrics and techniques for agriculture</td>
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<tr>
<td>10:00 - 11:00</td>
<td>Panel 2</td>
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<tr>
<td>11:00 - 11:15</td>
<td>Coffee break</td>
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<tr>
<td>11:15 - 12:00</td>
<td>Break-out session</td>
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<tr>
<td>12:00 - 12:30</td>
<td>Synthesis of the session</td>
</tr>
<tr>
<td>12:30 - 14:00</td>
<td>Lunch break</td>
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| 14:00 - 15:00 | Key note presentations:  
                   • Adaptation aspects related to cities with focus on Water, Agriculture, and disaster risks  
                   • The new findings and challenges related to adaptation metrics and techniques for Resilient Cities |
| 15:00 - 16:00 | Panel 3                                                                   |
| 16:00 - 16:15 | Coffee break                                                              |
| 16:15 - 17:00 | Break-out sessions                                                        |
| 17:00 - 17:30 | Synthesis of the session                                                  |
| 17:30 - 18:30 | Global recommendations and Closure                                         |