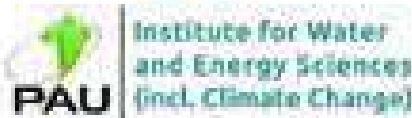




# Flash Floods and Sediment Management in Wadi Systems in the context of Climate Change

Tlemcen, Algeria,  
5-7 June 2023

## Our Partners





## ISFF7 Program Oral presentations

1 <sup>st</sup> Day : 05 June 2023	
08 :00- 10 :00	Welcoming the participants / Registration
09 :00-10 :00	<b>ISFF7 Opening Session and Welcome note</b> Rector, University of Tlemcen, Minister of higher education, Ambassador of Japan, Commissioner for ESTI, AUC
<b>Session 1</b>	
10 :00 -10 : 15	Presentation 1 : University of Tlemcen/ PAUWES
10 : 15 -10 :30	Presentation 2 ; Ministry of Hydraulics
10 : 30 -10 :50	Presentation 3 JICA's Activities for Algeria JICA's Approach to Climate Change , Japan
10 :50 -11 :10	Overview of ISFF Past, Present, and Future Perspectives Dr Sameh Kantoush, Kyoto University, Japan
11 :10 – 11 :30	Coffee break/ Poster Session
<b>Session 2</b>	
11 :30 -12 :00	Les plans de prévention du risque inondation (PPRI) <b>Benmouffok Hocine, Dalinda Mekideche</b> Agence de gestion intégrée des ressources en eau (AGIRE) et Agence nationale de ressources hydrauliques (AGIRE et ANRH), Algeria





12 :10 – 12 :30	Mitigating Flash Flooding in the City : Drain or Harvest ? <b>Noubactep Chicagoua</b> , University of Göttingen, Germany
12 :30 – 13 :30	General Discussions Closing Session/ Recommendations ISFF 8 Announcement
13 :30 – 18 :00	Lunch and Touristic Visit





2<sup>nd</sup> Day : 06 June 2023

Special Session / SATREPS Project (Parallel session)

### Participants

**University of Tlemcen**

-Prof. Chérifa Abdelbaki  
-Prof. Abdesslam Megnounif

**University of Annaba**

-Prof. Hamouda Boutaghane

**University of Ghardaia**

Dr. Tayeb Boulmaiz

**University of M'sila**

Prof. Mahmoud Hasbaia

**AGIRE**

Mr Mohamed Deramchi  
Mr Benmouffok Hocine

**PAUWES**

Research Team

**University of Kyoto**

Prof Sumi Tetsuya  
Dr Sameh Kantoush  
Dr. Mohammed Saber

**ENSTP**

Prof. Abdelouahab Lefkir





**2<sup>nd</sup> Day : 06 June 2023**

<b>2<sup>nd</sup> Day : 06 June 2023</b>	
<b>Plenary session</b>	
09 :00- 09 : 30	Japanese Contributions on Dam upgrading including heightening, new bottom outlet and sediment management <b>Prof Sumi</b> , Kyoto University, Japan
<b>Session 1</b>	
9 :30- 09 :50	Shallow water-table Rise in urban areas of Arid zones <b>Ali Al-Maktoumi</b> , Sultan Qaboos University, Oman
09 :50 – 10 :10	Multi-model approach for flash flood modelling in data- and water-scarce regions like Jordan <b>Christina Maus</b> , Koblenz University of Applied Sciences, Koblenz, Germany
10 :10 – 10 – 30	Quantitative evaluation of suspended solids runoff from large-scale collapsed areas as the source of turbid water, <b>Mitsuteru IRIE</b> , Kyoto University, Japan
10- 30 : 10 :50	Evaluation of flood risk using high-resolution LIDAR data and the HEC-RAS river modeling : A case study of the Mouhoun River in Burkina Faso, <b>Aouissi Jalel</b> , National Agronomic Institute of Tunisia, Tunisia
10 : 50- 11 :30	Discussions/ Poster Presentations Coffee Break – Poster Session
<b>Session 2</b>	
11 :30 - 11 : 50	Impact of climate change on hydrodynamics of lakes in the central rift Valley basin, Ethiopia <b>Benedict Mutua</b> , Egerton University, Kenya
11 :50 – 12 : 10	Quantifying the predictive uncertainty in hydrological modeling for a Coastal watershed in Tunisia <b>Sihem Benabdallah</b> , CERTE, Tunisia





12 :10 -12 :30	Soil characterization of the eastern strip of Al Jaww Plain, its possible relationships with the shallow groundwater aquifer, and the flash flood hazards, Al Ain city, UAE <b>Saber Hussein</b> , UAE University
12 :30 – 12 :50	Correction of Regional Climate Model Using Satellite Based Rainfall Data, Case Study: North West of Egypt <b>Ashraf M. Elmoustafa</b> , Ain Shems University, Egypt
12 :50 – 13 :30	Discussions / Poster Presentations
13 :30 – 14 :30	Lunch Break – Poster Session
<b>Session 3</b>	
14 :30 -14 :50	Modelling Flood Risk in Arid Urban Environment: The Case of Wadi Ain Sefra (SW of Algeria) <b>Abdessamed Derdour</b> , Naama, Algeria
14 :50 -15 :10	Assessing the status of flood disaster in Ethiopia: challenge in achieving sustainable development goals <b>Awoke Guadie</b> , Ethiopia
15 :10 -15 :30	Multitemporal UAV surveys of geomorphological changes by severe postfire heavy rain in Japan <b>Yoshiya Toge</b> , University of Kyoto, Japan
15 :30 -15 :50	Modeling the impact of climate change on water resources and crop yield in a Tunisian agricultural watershed using SWAT <b>Manel Mosbahi</b> , Tunisia
15 :50 -16 :10	Velocity profiles modeling using information theory and Artificial Neural Networks : A comparison of approaches.
16 :10 – 16 :30	<b>Abdelhadi Ammari</b> , ENSH, Algeria
16 :30 -17:30	Poster session/ Discussions Closing session 2 <sup>nd</sup> day





### 3<sup>rd</sup> Day : 07 June 2023

09 :00 - 09 :30	<p><b>Plenary session</b>            Understanding the Hydrological Impacts of Climate Change : Exploring Rainfall Variability, Trends, and Erosion Dynamics for Effective Sediment Management.  <b>Megnounif Abdesslam</b>, University of Tlemcen, Algeria</p>
<b>Session 1</b>	
09 :30- 09 :50	<p>Machine Learning approaches for Flood Susceptibility Mapping  <b>Mohamed Saber</b>, Kyoto University, Japan</p>
09 :50 – 10 :10	<p>Evaluation of recent vegetation phenology changes across the southern Mediterranean region, and potential climatic drivers  <b>Behnam Mirgol</b>, Coventry University, Centre for Agroecology, Water and Resilience, United Kingdom</p>
10 :10 – 10 – 30	<p>Satellite Precipitation Products and Machine Learning Techniques as Solutions for Hydrological Modeling in Ungauged Basins.  <b>Tayeb Boulmaiz</b>, University of Ghardaia, Algeria</p>
10- 30 : 10 :50	<p>Multitemporal UAV surveys of geomorphological changes by severe postfire heavy rain in Japan  <b>Yoshiya Toge</b>, University of Kyoto, Japan</p>
10 : 50- 11 :30	Coffee Break – Poster Session
<b>Session 2</b>	
11 :30 – 11 :50	<p>Hydrological and hydraulic Modelling of Sediment transport in Algeria, Case of Hodna Basin in Algeria  <b>Mahmoud Hasbaia</b>, University of M'sila, Algeria</p>
11 :50 – 12 :10	<p>Presentation  <b>Thameur Chaibi</b>, National Institute for rural engineering water and forestry, Tunisia</p>



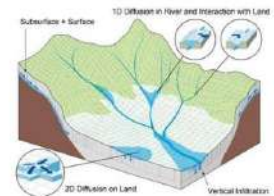
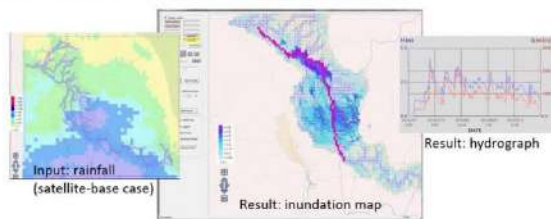


4<sup>th</sup> Day : 08 June 2023

## Training Course on RRI (Rainfall-Runoff-Inundation) Model

### RRI Model

Rainfall-Runoff-Inundation model simulates hydrologic processes such as rainfall-runoff, stream-flow discharge, and inundation over floodplains in an integrated manner. The **RRI model can be used to assess flood risk for various regions with different climate conditions.**



### Trainer's Contacts

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International Centre for Water Hazard and Risk Management (CHARM)

### Participants :

University of Tlemcen, University of Annaba, University of Ghardaia, University of M'sila, AGIRE, ANRH, PAUWES, ENSTP, SOGERHWIT.







12 :00- 12 :30	Contribution of Earth observation satellites in the management of flash floods. Case of In Guezzam August 2018. <b>Nasreddine Belabid</b> , Algerian space Agency (ASAL)
12 :30 – 13 :00	Water Resources Management in Oman Challenges and Achievements <b>Ahmed Al Barwani</b> , Oman Water compagny, Oman
13 :00 – 13 :30	Discussions/ Poster Presentations
13 :30 – 14 :30	Lunch Break – Poster Session
<b>Session 3</b>	
14 :30 -14 :50	The rôle of Water Harvesting projects in mitigating climate change's impact in rural area (Badia) <b>Abeer Sabha</b> , Ministry of Water Resources, Jordan
14 :50 -15 :10	Le défi de la gestion des risques de catastrophes dans les nouvelles dimensions prises par les CCs <b>Dr. Naima Rabahi ep. Touloum</b> , Délégation nationales des risques Majeurs (ministère de l'Intérieur et des collectivités locales et de l'aménagement du territoire)
15 :10 -15 :30	Contribution de l'ONA dans la stratégie nationale de lutte contre les inondations <b>Salah Lahlah</b> , Office national de l'assainissement, Algeria
15 :30 -15 :50	Prevention of major risks : Development of the risk culture within the population <b>Soraya Makhloufi</b> , Direction de la protection civile, Algeria
15 :50 -16 :10	Le système d'alerte de Météo Algérie <b>Hamadache Rafik</b> , Direction de l'exploitation Météorologique/ONM-Dar El Beida, Algeria
16 :10 – 16 :30	Problématique de l'envasement des barrages en Algérie <b>Houglouène Mourad</b> , Agence Nationale des barrages et de transfert , Algeria
16 :30 -17 :30	Discussions/ Poster Presentations Closing session 1 <sup>st</sup> Day

