



Water and Climate Day - COP22
UNESCO pavilion in the Civil Society Area (Green Zone)

Launching of the iRain Mobile App: Use of earth observatory and citizen sciences

9 November, 11h00-11h40



G-WADI

Launching of the iRain Mobile App: Use of earth observatory and citizen sciences

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Conveners: UNESCO-International Hydrological Programme (IHP); Center for Hydrometeorology and Remote Sensing (CHRS) at the University of California-Irvine; International Center for Integrated Water Resources Management (ICIWaRM)

Speakers:

- Ms Blanca Jiménez-Cisneros, Secretary, International Hydrological Programme (IHP), UNESCO
- Mr Robert Pietrowsky, Director of the U.S. Army Corps of Engineers, Institute for Water Resources (IWR)
- Mr Phu Nguyen, Assistant Adjunct Professor, Center for Hydrometeorology and Remote Sensing (CHRS) at the University of California-Irvine

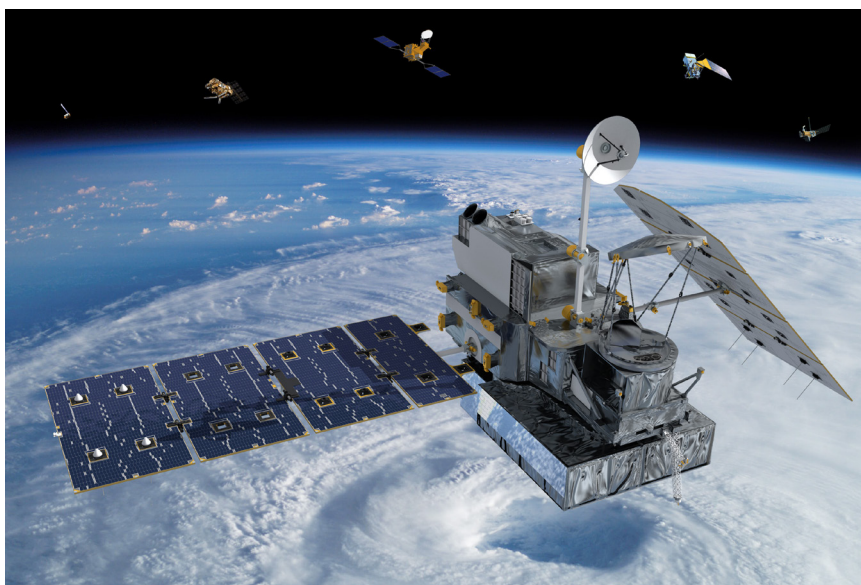
Moderator: Mr Anil Mishra, International Hydrological Programme (IHP), UNESCO

Background: Gathering information on hydroclimatic conditions is essential for water resource planning and emergency preparedness for floods and droughts.

IHP collaborated with the Center for Hydrometeorology and Remote Sensing (CHRS) at the University of California-Irvine to provide real-time satellite precipitation data. The PERSIANN-CCS GeoServer – which employs remote sensing technologies and artificial intelligence – is being used to estimate rainfall globally from satellite imagery in near real-time and high spatiotemporal resolution.

The latest product of this fruitful collaboration is the iRain App, a tool for global precipitation monitoring, whose user friendly interface is designed to facilitate stakeholder involvement in collecting data, as part of UNESCO-IHP's efforts to put science into action through the use of citizen science.

Scientists and stakeholders are working together to gather local data, and governments are using this collected information to prepare adaptation measures.



Programme

9 November, 11h00-11h40 UNESCO Pavilion, Green Zone

Time	Title	Speaker
11h00	Welcome	Ms Blanca Jiménez-Cisneros Secretary, International Hydrological Programme (IHP), UNESCO Mr Robert Pietrowsky, Director of the U.S. Army Corps of Engineers Institute for Water Resources (IWR)
11h10	Launching of the iRain Mobile App	Mr Phu Nguyen, Assistant Adjunct Professor, Center for Hydrometeorology and Remote Sensing (CHRS). University of California-Irvine
11h30	Q&A with audience	
11h40	End of the session	



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