

# CALL FOR PAPERS

Researchers and practitioners are invited to submit abstracts on relevant topics for presentation at the symposium. High-quality contributions will be carefully chosen for oral or poster presentations through a peer-review process. Furthermore, selected papers will also be published in the Mindanao Journal of Science and Technology, the International Journal for River Basin Management, and the ISU Linker – Journal of Engineering and Computing and Technology.

## IMPORTANT DATES

CONFERENCE DATES	DECEMBER 15-18, 2024
REGISTRATION PERIOD	OCTOBER 1, 2024 - NOVEMBER 15, 2024
EARLY BIRD REGISTRATION	UNTIL OCTOBER 15, 2024
CALL FOR PAPERS	MAY 1, 2024
DEADLINE OF ABSTRACT SUBMISSION	AUGUST 15, 2024
NOTIFICATION OF ACCEPTANCE	SEPTEMBER 15, 2024
DEADLINE OF FULL PAPER SUBMISSION	OCTOBER 15, 2024

## REGISTRATION FEE\*

EARLY BIRD (Until October 15, 2024)
200 USD FOR FOREIGN PARTICIPANTS
6,500 PHP FOR FILIPINO PARTICIPANTS
REGULAR REGISTRATION
250 USD FOR FOREIGN PARTICIPANTS
8,000 PHP FOR FILIPINO PARTICIPANTS
GRADUATE STUDENT
150 USD FOR FOREIGN PARTICIPANTS
6,000 PHP FOR FILIPINO PARTICIPANTS

\*Registration fee is inclusive of snacks and lunch during the conference and conference kit

INTERNATIONAL ORGANIZATION FOR CLIMATE CHANGE ADAPTATION -  
DISASTER RISK REDUCTION MANAGEMENT, INC.  
SEC. REG. NO.: 2021090024575-01  
secretariat@io-ccadrrm.org || <https://io-ccadrrm.org>

FOR MORE INFORMATION ABOUT THE CONFERENCE AND SUBMISSION OF  
ABSTRACT, PLEASE CONTACT:

SECRETARIAT  
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*invites you to the*

# FSMART

## 2<sup>ND</sup> INTERNATIONAL SYMPOSIUM ON

INTEGRATED FLOOD AND SEDIMENT MANAGEMENT  
IN RIVER BASIN FOR SUSTAINABLE DEVELOPMENT



*"Synergizing Science, Technology, and Policy Solutions to  
Strengthen Climate-Adaptive Integrated Water Resources  
Management Practices in River Basins"*



DECEMBER 15-18, 2024

LIMKETKAI LUXE HOTEL, CAGAYAN DE ORO CITY  
CAGAYAN DE ORO, PHILIPPINES



## ABOUT THE CONFERENCE

The 2nd International Symposium on Integrated Flood and Sediment Management in River Basins for Sustainable Development (FSMaRT) bears the theme “Synergizing Science, Technology, and Policy Solutions to Strengthen Climate-Adaptive Integrated Water Resources Management Practices in River Basins”.

It will feature keynote presentations, plenary sessions, thematic panel discussions, interactive workshops, poster sessions, and educational and scientific tours. Furthermore, the participants can delve into in-depth discussions, network with peers, and explore potential collaborations. This event will be coordinated and managed by International Organization on Climate Change Adaptation and Disaster Risk Reduction Management, Inc.



## ABOUT THE VENUE

### CAGAYAN DE ORO CITY

Cagayan de Oro, situated in the Northern Mindanao region, is a highly urbanized coastal city. Although administratively independent due to its distinction as highly urbanized city, Cagayan de Oro is commonly grouped with the province of Misamis Oriental. The highly urbanized city also serves as the provincial capital as well as the regional center of Northern Mindanao.



### UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

The University of Science and Technology of Southern Philippines (USTP) is a state university established on August 16, 2016, by virtue of Republic Act 1091 through the amalgamation of the Mindanao University of Science and Technology (MUST) in Cagayan de Oro City, Misamis Oriental and the Misamis Oriental State College of Agriculture and Technology (MOSCAT) in Claveria, Misamis Oriental. It is located in Northern Mindanao, the Gateway to Mindanao, which offers a strategic locational advantage for the institution to train and develop students from all the other regions.

### CAGAYAN DE ORO RIVER BASIN

The Cagayan de Oro River Basin is one of the major river basins in the country. It has an estimated length of 90 km and an aggregate drainage area of 1,374.16 km<sup>2</sup> and drains into Macalajar Bay in Cagayan de Oro City. It begins in the Mt. Kalatungan Mountain Range and joins with other tributaries from Mt. Kitanganlad Mountain Range.



### LIMKETKAI LUXE HOTEL, CAGAYAN DE ORO

Limketkai Luxe Hotel, a luxury boutique hotel located in Cagayan de Oro, Philippines – is the Gateway to Northern Mindanao. Endorsed as the first Gold Hotel in the Philippines, it has also been certified as the first LEED (Leadership in Energy and Environmental Design) building in the Philippines as certified by the U.S. Green Building Council in 2013 and 2014.

# PROPOSED PROGRAM

**DAY 01**      **ARRIVAL AND BILLETING**  
1:00 PM - 4:00 PM    Pre Conference Workshop for LGUs and Students  
4:30 PM - 6:00 PM    IO-CCA-DRRM Members Meeting

**DAY 02**      **OPENING CEREMONIES AND PLENARY SESSIONS**  
07:00 AM    Registration  
9:00 AM    Opening Program  
9:30 AM    Conference Overview & Introduction of Participants  
Introduction of the Keynote Speaker  
Message of the Keynote Speaker  
Opening of Exhibits and Posters  
10:30 AM    Coffee Break  
11:30 AM    Press Conference  
12:00 NN    Lunch  
1:30 PM -4:30 PM    Plenary Sessions  
6:00 PM - 8:00 PM    Fellowship Night

**DAY 03**      **BREAKOUT SESSIONS**  
8:00 AM    Scientific Sessions  
12:00 NN    Lunch  
1:30 PM    Scientific Sessions

**DAY 04**      **FIELD TOUR**

# RATIONALE

The first International Symposium on Integrated Flood and Sediment Management in River Basins for Sustainable Development (FSMaRT) took place from December 18-20, 2022, in Da Nang, Vietnam. Its success has turned it into a regular event.

Climate change has made frequent and severe floods the 'new normal,' causing significant damage to agriculture and infrastructure and endangering water, energy, environment, and food security. To tackle these challenges, there is an urgent need for an integrated approach utilizing science and technology tools. The FSMaRT symposium aims to be a recurring forum to share knowledge and solutions, bringing together experts and stakeholders to address the complex issues of floods and sedimentation for a resilient and sustainable future.

As a guide for action, UN-SDG 6.5 states, "By 2030, integrated water resources management (IWRM) should be implemented at all levels, including through transboundary cooperation". IWRM enhances the efficiency and effectiveness of water resources management by exchanging information and collaborating with related organizations.

The 2nd International Symposium on Integrated Flood and Sediment Management in River Basins for Sustainable Development (FSMaRT) intends to bring together experts, researchers, scientists, policymakers, and practitioners from around the world to exchange knowledge, share best practices, and foster collaboration in addressing the challenges of flood and sediment management in river basins.



# OBJECTIVES



## KNOWLEDGE EXCHANGE

Facilitate the exchange of cutting-edge research, technological advancements, and innovative solutions in the field of integrated flood and sediment management.



## BEST PRACTICES

Showcase successful case studies and best practices in managing floods and sediments in river basins to promote sustainable development.



## POLICY DIALOGUE

Provide a platform for policymakers to discuss and formulate strategies that integrate flood and sediment management into broader sustainable development agendas.



## INTERDISCIPLINARY COLLABORATION

Encourage interdisciplinary collaboration among scientists, engineers, policymakers, and practitioners to address the complex challenges of river basin management.



## CAPACITY BUILDING

Promote knowledge transfer and capacity-building initiatives to empower communities and stakeholders with the tools and skills needed for effective flood and sediment management.

# SYMPOSIUM TOPICS

**TOPIC 1:** Socio-economic and Institutional Aspects of Water Resources Management (Governance, IWRM Policy and Regulation)

**TOPIC 2:** Dam and Reservoir Management (Reservoir Operations, Dam Safety, Sedimentation Management and Monitoring)

**TOPIC 3:** Climate Change and Water Resources Resilience (Risk Communication and Management, Water Conservation, Extreme Hydrological Events)

**TOPIC 4:** Hydrological Processes for Flood, Sediment and Water Resources (Hydro-informatics, Modeling, Drought, Flash Flood Prediction and Management)

**TOPIC 5:** Advanced Technologies in Flood and Sediment Management (Large-scale Water Management, Urban Water Management, Artificial Intelligence)

**TOPIC 6:** Water Resources Sustainability (SDGs, Community-based Studies, Capacity Building, Social and Economic Growth, and Environmental Sustainability)

**TOPIC 7:** Special Session on Nature-Based Solution for Food Security in Mekong River Basin