



Foreign, Commonwealth
& Development Office

SOUTH ASIA HYDROMET FORUM III

**USER-FOCUSED TAILOR-MADE WEATHER AND CLIMATE SERVICES DRIVING THE
CLIMATE/EARLY WARNING INFORMATION VALUE CHAIN**

**Challenges and Opportunities for Institutionalizing
User Needs-Based Climate Information Value Chain**

**Ms. Ruby Rose Policarpio
Team Leader, Institutional Development, RIMES**

**November 15-18, 2021
Annual Event- Virtual**

RIMES SERVICES: INFORMATION VALUE CHAIN APPROACH



Enhancing Data
availability



Modelling and
Forecasting



Transforming Data
into Usable
Information



Capacity building,
Community
Outreach &
Feedback



Research &
Development

Enhancing Data Availability

- Sustained and adequate investments
- Common, accessible, digital platform for integration of quality-checked data
- Focused investments for improving forecasts can generate more investments for data availability

Modelling and Forecasting

- Regional vs national modelling systems
- Deterministic vs probabilistic forecasts
- Forecast spatial and temporal scales: utility and reliability
- Use of advanced computational algorithms (AI) for improving forecast
- Continuous advanced research

Transforming Data into Usable Information

- Sustained integration of evolving user requirements into NMHSs products
- Sectoral decision support systems (DSSs) for generating customized multi-timescales climate informed products

Capacity Building, Community Outreach and Feedback

- Sustained investments on capacity building from national to community levels
- Robust feedback mechanism
- Sustained capacity building for enabling enhanced in-country capacities over time

Research and Development

- Data accessibility, coherence and integrity
- Domain-specific knowledge
- Integrated platforms
- Research to operation
- Additional data collection – Internet of Things
- Analytical Services



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**PROGRAM TO SUPPORT SOUTH ASIA REGIONAL DEVELOPMENT IN
OPERATIONAL FORECASTING AND SERVICE DELIVERY**

SAHF Website: <https://sahf3event.rimes.int/>

YouTube Broadcast:
<https://youtu.be/QAAf326wP00>