

India Hydromet Symposium 2020

Date: 16-18 March 2020

Location: Delhi

Day 1: 16 March

8.00am-9.00am
exhibitor space

Breakfast and registration for delegates, held in

Main Room: Mapping the Indian hydromet space

9.00am-9.45am

Welcome from the chair and 'big picture' presentation: The hydromet landscape in India

9.45am-10.30am

Panel discussion: The continued evolution of meteorological and hydrological services for India and Indian states; what should our sector's current priorities be and what should/could our service look like in the future?

10.30am-11.00am

Refreshment break in exhibitor hall

Main Room and Room 1: Twintrack technical presentations and audience Q&As

11.00am-11.30am

- | | |
|--|---|
| 1. Sustainable adaptation under climate change | 2. Hydrometeorological instrumentation advancement and evolution of neo-meteorology |
|--|---|

11.30am-12.00pm

- | | |
|---|--|
| 1. Evolving use of radar in forecasting | 2. Hydrometeorology and the internet of things |
|---|--|

12.00pm-12.30pm

- | | |
|---------------------------------------|---|
| 1. Developments and automation in AWS | 2. Artificial intelligence and machine learning |
|---------------------------------------|---|

12.30am-2.00pm

Lunch in exhibitor space

Breakout rooms 1-8: Roundtable sessions

These 8 (depending on delegate numbers) topics (A-H) are run simultaneously over three days in small meeting rooms and are made up of smaller groups of 10-20. They will be repeated 8 times to allow all delegates to participate in all topics, which they will register for in advance. The roundtable sessions will be conducted by 1-3 discussion leaders and are designed for a more detailed and indepth exchange of information.

Roundtable session: 1

2.00pm-2.45pm

Room 1: Roundtable A

Discussing key aspects of current WMO policy; better use of data; WIGOS; OSCAR etc

Room 2: Roundtable B

Defining current trends in the Indian hydromet space

Room 3: Roundtable C

New models in public and private sector partnerships

Room 4: Roundtable D

Advances in climate change mitigation

Room 5: Roundtable E

How to conduct an effective vendor search and tender process; Renewing monitoring equipment with existing vendors and the challenge of finding new providers to maintain existing equipment; Partnering with vendors on training and education

Room 6: Roundtable F

Pollution and air quality - better detection, forecasting, protection and mitigation

Room 7: Roundtable G

Supporting India's agricultural base - how multi-risk early warning systems and climate change mitigation can keep India's 'breadbasket' better informed and prepared for changing conditions

Room 8: Roundtable H

New thinking in disaster risk reduction (DRR) and resilience; and the increased role that can be played by India's hydromet space

2.45pm-3.30pm

Roundtable session: 2

Roundtables repeated (A through H)

3.30pm-4.00pm

Refreshment break in exhibitor hall

4.00pm-4.45pm

Roundtable session: 3

Roundtables repeated (A through H)

Main Room: Mapping the Indian hydromet space

4.45pm-5.30pm

Panel discussion: Searching for common goals and common ground: Squaring the public and private sector relationship

Talking points:

- Public/private engagement - sharing experiences via the WMO's Open Consultative Platform
- How does fostering better and long-term relations support public and private sector development, what can this achieve?
- Discussing the WMO draft resolution on public and private engagement.
- Pursuing efficiencies that enhance value-for-money, including multi-sector and cross-border partnerships.
- How stakeholders from all sectors can act as powerful advocates for sustained investment in core public infrastructure and capability.
- Better use of budgets and establishing a long-term relationship with private sector.
- How could the Geneva Declaration – 2019: “Building Community for Weather, Climate and Water Actions”, change public and private sector relationships?
- Roles and responsibilities - partnerships for common action needed from the old “Us versus Them” approach to real partnership. Is there a method or best practice to achieve this?
- Importance of NHMS for the dissemination of products and services.

5.30pm

Drinks reception in exhibitor space

Day 2: 17 March

8.00am-9.00am

Breakfast in exhibitor space

Main Room: Mapping the Indian hydromet space

9.00am-9.45am

Panel discussion: Data capture and data integration: Adding value to decision-making

Talking points:

- Defining the roles of governments and private sector entities as providers of data in support of critical forecast and warnings, and of climate data in support of adaptation and mitigation.
- Data equality - given budget constraints and capacity challenges, how can all NHMS have equal access and understanding of the growing range of hydromet data? How does your data operation evolve?
- Standardization and international exchange - establishing a successful data lingua Franca and what new capabilities will this give us?
- Current WMO guidance and thinking on data use and collection.
- Data, data everywhere and not a drop to drink - data is only a means to an end, how to use and interpret not drown in the data deluge.

- Discussing better data's vital plan - capture, storage, analysis, and dissemination.

9.45am-10.30am

Panel discussion: Forging an agricultural revolution via India's hydromet professionals

Talking points:

- What does automatic agrometeorological really mean for Indian farmers
- Improving weather, water and climate information for agricultural stakeholders
- Reducing environmental impact and climate vulnerability of agriculture
- Insulating agriculture from negative effects of climate change

10.30pm-11.00pm

Refreshment break in exhibitor hall

Main room and Room 1: Twintrack technical presentations and audience Q&As

11.00am-11.30am

- | | |
|--|--|
| 1. Air quality and pollution detection | 2. Database generation, application and management |
|--|--|

11.30am-12.00pm

- | | |
|-------------------------|---|
| 1. Sensors in hydrology | 2. Geo-informatics and drone technology in hydromet |
|-------------------------|---|

12.00pm-12.30pm

- | | |
|--------------------------------|----------------------------|
| 1. Apps and cell phone devices | 2. Short-range forecasting |
|--------------------------------|----------------------------|

12.30am-2.00pm

Lunch in exhibitor space

Exhibition space: Ask the expert

2.00pm-3.30pm

Semi-structured time where delegates can meet relevant exhibitors who can provide advice, solutions and demonstrations. This will include rolling refreshments and will take place in the exhibitor space.

3.30pm-4.00pm

Refreshments in exhibitor space

Breakout rooms 1-8: Roundtable sessions

Roundtable session 4:

4.00pm-4.45pm

Roundtables repeated (A through H)

Roundtable session 5:

4.45pm-5.30pm

Roundtables repeated (A through H)

5.30pm	Drinks reception in exhibitor space
---------------	--

Day 3: 18 March

8.00am-9.00am	Breakfast in exhibitor space
----------------------	-------------------------------------

Main Room: Mapping the Indian hydromet space

9.00am-9.45am

Panel discussion: How can the hydromet space contribute to India's socio-economic betterment

Taking points:

9.45am-10.30am

Panel discussion: Impact of, and protection from, climate change in India - the role of hydrometeorology

Talking points:

10.30am-11.00am	Refreshment break in exhibitor hall
------------------------	--

Roundtable session 6:

11.00pm-11.45pm

Roundtables repeated (A through H)

Roundtable session 7:

11.45pm-12.30pm

Roundtables repeated (A through H)

12.30pm-2.00pm	Lunch in exhibitor space
-----------------------	---------------------------------

Roundtable session 8:

2.00pm-2.45pm

Roundtables repeated (A through H)

Main Room: Mapping the Indian hydromet space

2.45-3.30pm

Panel discussion: Outcomes - what have we learned this week and how to move forward locally and globally?

Exhibitor breakdown and time for private meetings.