

# Relevant user needs

Presented by

**Dr. Mohan Kumar DAS**

**Moderator: Dr. Andrew Turner**

**Members: Alina, Asteria Satyaning, Haeli, In-Hong, Jean-Francois, Kadarsah, Mohan Kumar (Coordinator), Romeo, Seung-Mok, Srinivas, Xuan Hien**

**Key Questions and group members opinions/comments:**

**Q1 How does our work relate to the end user? / What are our interactions with end users?**

**Q2 What are the main barriers to communication with end users? (Or, if we are very close to the end-user community, what are the main barriers to communication with academic researchers?)**

**Q3 Do we listen to end-users?**

**Q4 What are the new products we can give to the end users? What are the good research topics for working with end-users?**

### Q1) How does our work relate to the end user? / What are our interactions with end users?

- Forecast and warnings are prepared based on statistical methods, **NWP models**...
- Research findings which are important for Farmers, Fisherman, Planners, Policy makers...
- Many applicable sectors, **BoB monsoon depression, cyclonic storm** forecasts and warning...

### Q2a) What are our interactions with end users?

- One on **monsoon forecast, onset**. Interaction with end user and their advice (societal level user)
- Aim to improve prediction of NMHS. NMHS work to improve the prediction.
- Understanding of forecasters and improve forecasters
- Government institute forecasting disseminating to local level. Communication by R&D- different levels.

### Q2b) What are the main barriers to communicating with end users? (Or if you are almost at the end of the “end-user”, what are the barriers to communicating with pure researchers?)

- Barriers: people not believing the weather forecast ☹️ But some perception of improvement, e.g. in tropical cyclones. Language, **Terminologies** are used by meteorology is not easy to understand.
- End-users not understanding why this is important, **lacking the necessary background to understand**.

### Q3 Do we listen to end-users?

- People **not believing the weather forecast** ☹️, User needs are very **region specific**.
- Sometimes **community leaders coming forward**, local government surveys.
- Remote area based **Climate school** (e.g. Indonesia), Trust worthy prediction e.g. in tropical cyclones.

### Q4 What are the new products we can give to the end users? What are the good research topics for working with end-users? Region Perspective

- Lightning, thunderstorms, tornadoes, heatwave, flash floods, land slides as a new topic.**
- Need to define **monsoon index** (Indonesian region). **Information/education campaign** to make users receptive.
- Type of **snow structure**, Forecast for muddiness/dustiness.
- Accurate forecast of each season.**

It seems clear there are many more research questions needed.

Thank You 😊