

# Open dialogue on relevant user needs

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# Influence of Asian monsoon on various societal sectors

As a good aspect, the monsoon is an important water resource for the human life.



agriculture



industrial



leisure

# As a bad aspect, the monsoon causes some disasters.

Monsoon give birth to killers...



**South China 10~31 Jan 31, 2008**

frozen

**Dead: 60**

**Beijing, 21 July, 2012**

flood

**Dead: 77**

**Shanghai, August, 2013**

Heat wave

**Dead: 10**

These disasters were forecasted in China, but real events were more severe.

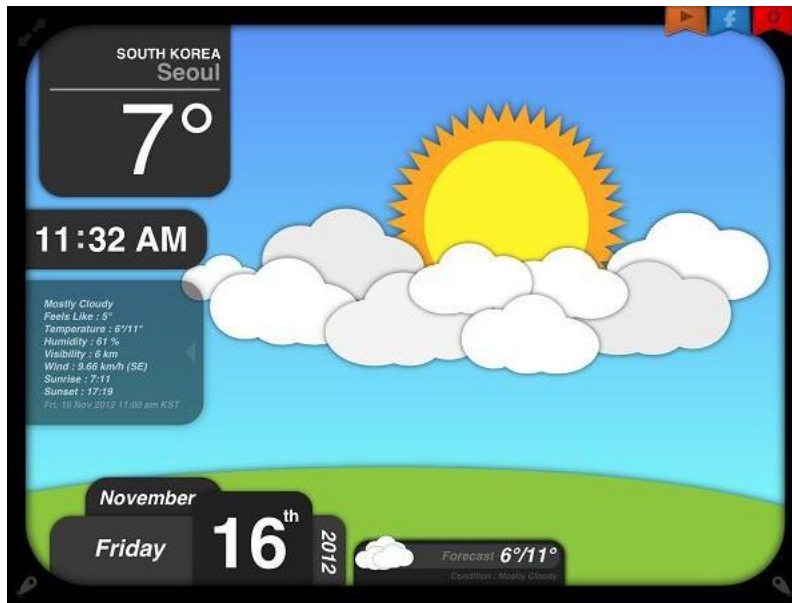
# Experiences in developing monsoon forecasting

- Monsoon is always changing, so it is hard to know which is the most important factor in monsoon forecasting.
- Many monsoon regions still do not have monsoon onset index but we need!
- We are much focusing in the boreal summer monsoon over the Asia, but some area (e.g. Indonesia) have maximum rainfall in boreal winter.

# Experiences in using monsoon forecasting

User's experience say:  
Government weather forecasting is still not correct...

- We think like that weather App. company forecast is sometimes more correct than government announcement.



We think because they are using big data(e.g. ECMWF, local government forecast, etc.).

Moreover, frequent update than meteorological agency is another reason. People want to know the exact timing of rainfall.