

Theme 1: Advancing GURME objectives through facilitation of research

1-3 Modelling

- Proposal for linking urban initiatives
- i. Proposal: V. Bouchet 5 min
- ii. Discussion & tasking :
S. Grimmond, H. Schlutzenzen, J. Tan – 25 min

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HUSCO – urban soils atmosphere measurement network + rain radar + moving measures + AQ network



ITM

- ITM – **I**nternational **T**echnical Meeting on Air Pollutions **M**odelling and its Application
- ITM has long history (2019: 50 years of ITM)
- Meetings take place about every 18 months
- Next ITM:
36th ITM in Ottawa (Canada): May 14 – 18, 2018.

ITM – Topics at meeting

1. Local and urban scale modelling
(including the **effects of building wakes, street canyons, urban canopy, urban energy balance**)
2. **Regional and intercontinental modelling** (including observational and modelling of current and future scenarios, and **impacts on meeting and maintaining air quality standards**)
3. **Data assimilation and air quality forecasting**
(including new research on focusing ground- and satellite- based observations into model outputs in creating **high-resolution spatial maps of air quality, network design**)

ITM - topics

5. Aerosols in the atmosphere (aerosol dynamics, aerosol formation, interaction with multiphase chemistry)
- 6. Interactions between air quality and climate change** (observational analysis and modelling analysis of the effects of air pollution on climate and the impact of changing climate on future air quality)
- 7. Air quality effects on human health, ecosystems and economy** (including air quality trend assessments, cost benefit analysis of regulatory programs and their effects on air quality, human exposure and ecosystem burden, integrated modelling approaches).

ITM – GURME

- Give some of the ITM sessions a clear GURME focus (get involved in the SC) - ITM SC will be working on updating the key topics)
- WMO support of ITM and clear visibility of WMO / GURME as supporter
- Suggest invited speakers for the ITM2018 (GURME input – easiest with WMO payment)
- Invite GURME community to contribute to 2018 ITM.
- Would GURME be able to contribute in any way financially (e.g., contribution to meeting room rental, sponsoring invited speakers, etc.)?
- GURME contact person

ITM – GURME – what to do

- Decide if we want this cooperation
- If YES:
 - Would GURME be able to contribute in any way financially (e.g., contribution to meeting room rental, sponsoring invited speakers, etc.)?
 - Are the suggested sessions those most relevant for GURME?
 - Shall we refocus the sessions?
 - Determine GURME contact person(s) for ITM
 - Contact persons shall get involved with ITM preparation
- If NO: next topic