

**Tentative Programme for the
World Meteorological Organization's
Global Atmosphere Watch Urban Research Meteorology and
Environment (GURME) Regional Training Workshop on urban air
quality modelling for ASEAN Countries
(WMO GURME for ASEAN)**

**Malaysian Meteorological Department
Petaling Jaya, 7 - 10 April 2015**

DAY 1: TUESDAY, 7 APRIL 2015

08:45-09:30 Registration

OPENING SESSION

09:30-09:35 Doa Recitation

09:35-09:45 Welcome Remarks

Dato' Che Gayah Ismail
Director General
Malaysian Meteorological Department

WMO Secretariat

09:45-10:00 Opening Address

The Honourable Datuk Dr. Ewon Ebin
Minister of the Ministry of Science, Technology and
Innovation, Malaysia

**10:00-10:40 Group Photo Session followed by Coffee/Tea
Break**

LECTURES & TUTORIALS SESSION

10:40-11:25 Air pollutant monitoring

Prof. Balasubramanian

11:25-11:45 GURME-GAW introduction

Prof. Baklanov

11:45-12:30 Health effects of Air pollutants

Prof. Balasubramanian

- 12:30-14:00** **Lunch Break**
- 14:00-15:30** **Beginner tutorial session (Trajectory models)**
Dr. Saide
- 14:00-15:30** **Advanced tutorial session (WRF-Chem)**
Dr. Peckham
- 15:30-16:00** **Coffee/Tea Break**
- 16:00-17:30** **Beginner tutorial session (Trajectory models)**
Dr. Saide
- 16:00-17:30** **Advanced tutorial session (WRF-Chem)**
Dr. Peckham
- 20:00-22:00** **Reception Dinner Hosted by the Secretary General,
Ministry of Science, Technology and Innovation,
Malaysia**

DAY 2: WEDNESDAY, 8 APRIL 2015

LECTURES & TUTORIALS SESSION

- 09:00-09:45** **Chemical properties of the atmosphere**
Prof. Carmichael
- 09:45-10:30** **Meteorology and Atmospheric Boundary Layer
Processes for AQ**
Prof. Baklanov
- 10:30-11:00** **Coffee/Tea Break**
- 11:00-11:45** **Anthropogenic emission inventories**
Prof. Carmichael
- 11:45-12:30** **Biomass burning emission inventories**
Dr. Saide
- 12:30-14:00** **Lunch Break**
- 14:00-15:30** **Beginner tutorial session (WRF intro)**
Dr. Saide

- 14:00-15:30** **Advanced tutorial session (WRF-Chem)**
Dr. Peckham
- 15:30-16:00** **Coffee/Tea Break**
- 16:00-17:30** **Beginner tutorial session (WRF intro)**
Dr. Saide
- 16:00-17:30** **Advanced tutorial session (WRF-Chem)**
Dr. Peckham

DAY 3: THURSDAY, 9 APRIL 2015

LECTURES & TUTORIALS SESSION

- 09:00-09:45** **Air quality models and data assimilation**
Prof. Carmichael
- 09:45-10:30** **Generating a forecast**
Dr Bouchet
- 10:30-11:00** **Coffee/Tea Break**
- 11:00-11:45** **Generating and evaluating a forecast**
Dr. Saide
- 11:45-12:30** **Integrated Urban Weather and Environment
Prediction Systems and Services**
Prof. Baklanov
- 12:30-14:00** **Lunch Break**
- 14:00-15:30** **Beginner tutorial session (WRF-Chem intro)**
Dr. Saide
- 14:00-15:30** **Advanced tutorial session (WRF-Chem)**
Dr. Peckham
- 15:30-16:00** **Coffee/Tea Break**
- 16:00-17:30** **Beginner tutorial session (WRF-Chem intro)**
Dr. Saide
- 16:00-17:30** **Advanced tutorial session (WRF-Chem)**
Dr. Peckham

DAY 4: FRIDAY, 10 APRIL 2015

SYMPOSIUM AND TECHNICAL TOUR

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| 08:30-08:45 | Oral Presentation 1 – Malaysia |
| 08:45-09:00 | Oral Presentation 2 – Indonesia |
| 09:00-09:15 | Oral Presentation 3 – Laos |
| 09:15-09:30 | Oral Presentation 4 – Myanmar |
| 09:30-09:45 | Oral Presentation 5 – Philippines |
| 09:45-10:00 | Oral Presentation 6 – Thailand |
| 10:00-10:15 | Coffee/Tea Break |
| 10:15-10:30 | Oral Presentation 7 – Singapore |
| 10:30-12:30 | Posters Presentation – All ASEAN Countries
& WMO |
| 12:30-14:30 | Lunch/Friday Prayer |
| 14:30-14:40 | Concluding Remarks |
| 14:40 | Closure of the Workshop & Symposium |
| 14:40-18:00 | Technical Tour |