

# Splinter Meeting – 5 April 2011 -- MEGAPOLI+CityZen+MILAGRO

***Room SM2, 8:30 – 10:00***



## Agenda of the Splinter Meeting

- Short presentations from
  1. Introduction - by Alexander Baklanov
  2. CityZen - by Michael Gauss
  3. MEGAPOLI - by Alexander Baklanov
  4. MILAGRO - by Spyros Pandis
- Discussions – moderated by Mark Lawrence

# QUESTIONS FOR SPLINTER MEETING:

## MEGAPOLI + CityZen + MILAGRO

From 2<sup>nd</sup> Splinter Meeting (4 May 2010)

- Discuss scenarios with CityZen; importance for global scale runs;
- CityZen has strong studies with sat. data and remote sensing;
- Joint publications and reviews (IGAC, Coastal Megacities, special issue after Istanbul conference, book);
- CitiZen is interested in Paris data
- WP5: may be ? joint ensemble study; at least, CityZen/MILAGRO are welcome to join

## Some cooperation events

- MEGAPOLIS, US-Projects, NASA-LCLUC, PBL-PMES, TRANSPHORM, PEGASOS, EuMetChem, ...
- Joint study with Coastal megacities (IGBP)
- EU-China on Expo-2010
- IGAC book/report
- 2 joint special issues: AE (AQ-2009) and ACP (EGU)
- Paris Special Issue of MEGAPOLI
- Joint web-page, presented in MEGAPOLI Newsletter
- All MEGAPOLI D-reports are available
- WMO/MEGAPOLI invited CityZen to Hamburg workshop
- Paris Final MEGAPOLI conference: CityZen and all other projects are welcome

# Discussion outcomes from 2<sup>nd</sup> Splinter Meeting

Q? – Who is interested in Paris data for modeling studies? – from 2 campaigns, Win 2010 + Sum 2009; more info could be obtained from Matthias Beekmann, CNRS-LISA; important note that some data were taken by other collaborators on their own funding.

Q? – Plans for measurement campaign in Cairo? – suppose to provide downtown measurements during the CityZen project

Q? – Any other observational data exchange?

– emissions from volcanoes; SO<sub>2</sub> source (2 volcanoes in Mexico); info also about volcano measurement in Mexico; needs to correct emissions from airplane traffic due to volcano;

– satellite data – MPIC satellite studies with; CityZen - quick overview of sat. studies done – UV visible infrared sat., limited but long-term dataset of SO<sub>2</sub>, NO<sub>x</sub> but difficult to see the pollution sources, + CO, CH<sub>4</sub>, short term series, + aerosols datasets;

Q? – Products and validation

– areas of collaboration – comparison between products (contact with Thomas Wagner, MEGAPOLI MPIC team); if reasonable can contact with MEGAPOLI Russian partners of MEGAPOLI;

– ground measurement are also important but missing for sat validation;

– most difficult to get over Mexico mountainous terrain, pollution difficult to see, how to proceed with validation;

– correct land use is important for anthropogenic heat flux;

– what about aerosol products; total optical thickness;

– inventories are overestimating? link with mitigation, ask which part of inventory is wrong? comment from TNO; modelling and measurements are different areas working but looking for link;

Q? – Modelling

– study for South America region – regional downscaling + on-line chemistry; already linked with CityZen (Univ of Oslo); for MEGAPOLI (link with GURME project focused on SA, several groups collaborate with WRF-Chem, Santiago de Chile), downscaling, large scale continental transport;

– CODEX as a link (Jun – Jul 2010 data to be delivered – ready for usage); chem. BCs – not available only meteorology.

Q? – Publications

combining special issue with contributions from 3 projects + other projects presented at the EGU megacities sessions are welcome; IGAC–WMO report as book with several chapters (written by individuals) that all aspects are covered without gaps.

Q? – Meetings

for the EGU-2011 – similar special session on megacities is planned + joint splinter meeting; with possibility to invite also other projects; + may be to organize as round table discussions.

## 2nd Young Scientists Summer School

- 2nd Young Scientists Summer School (YSSS-2011) on “Integrated Modelling of Meteorological and Chemical Transport Processes / Impact of Chemical Weather on Numerical Weather Prediction and Climate Modelling” in Odessa, Ukraine, 3-9 July 2011.
- Welcome to join, see:  
[http://atmos.physic.ut.ee/~muscaten/index\\_files/course.htm](http://atmos.physic.ut.ee/~muscaten/index_files/course.htm).

