

!!! Continuous measurements @RMG and USP are operational !!!

Do not forget to fill the Google sheet on the station events and instrument status

@ USP – Matão (suburban site)

Quicklooks on micrometeorological measurements are available

Set-up of the instruments and inlet lines. Most of the instruments are at Labmicro pumping the air from the platform and 20m- tower. Check will be performed remotely. Ola, PhD student at IMT, takes care of all the PTRMS CHARON set up at IAG during the experiment. Weekly transfer of the NPL gas standard between both sites is scheduled every week. Calibration of both ACSM will be also scheduled.

@ RMG (forest – Mata Atlantica)

Quicklooks on micrometeorological measurements are available

After 10 days of intensive work, the RMG measuring vessel is ready for 4 week measurements until May 21st. From May 2st to May 31st, the PAM experiment will take place. Then the instruments will be transferred to Institute of Botany for BVOC chamber experiments.

Task 2 : Discussions and preparation of the BVOC emissions at leaf and branch levels with the CEFE and Institute of Botany groups. First tests have started and the measurements will be carried out next week (from May 2nd) at RMG. Jean Kempf from CEFE performed transects and pictures to quantify the Leaf Index Area. Other compartments will be also explored : stem and potentially soil and litters with the Teflon chambers and VELVET.

Scientific Meeting : last Thursday we had our first scientific meeting on Task 1, 2 and 3 with very nice preliminary results from both sites. First flavor : the wind situation is quite homogeneous at both sites and consistent. First raw PM and VOC variability. First results suggest an isoprene signature stronger than monoterpenes at both sites. The anthropogenic signature is also depicted at RMG with repeatable diurnal cycles.

Forecast of conventional data have to be provided to schedule the Task 2 measurements and off line VOC sampling. The meteorological data from the towers will be provided once a week on Monday by Georgia. SYnoptic maps will be also provided for future data analysis.

Thanks to all people implication for preparing and presenting.

People's mobility

Departure : Joel and Marina (IMT) went back to France on the 21st of April. After 2 weeks of intensive work, our French colleagues Adrien, Jean and Mickael are back to France, Montpellier.

Next travellers : Jean Eudes Petit from LSCE will arrive on Sunday 30th of April. Jean-Eudes will take part to RMG aerosol measurements and will manage the installation of the PAM photoreactor with the RMG team in the frame of Pauline's PhD.

Campaigns schedule :

April 24th to May 2st : intensive campaign at both sites (Task 3 and Task 1). Task 2 measurements are conducted in parallel

May 21st to May 31st : PAM experiment at RMG. Other atmospheric measurements are welcome to continue. Desinstallation.

First week of June : first shipment back to France and transfer of the instruments to Institute of Botany in Sao Paulo.

June 10th to July 10th : PAM experiments on BVOC emission chambers at IB

Mid July : second shipment back to France

Next week :

PAM and trailer installation @ RMG / Task 2 measurements @ RMG

See you on Friday 5th @ 10 AM Brazilian Time for the next scientific meeting

