**Workshop La Reunion**

**6-7 June 2017**

**BIRA-IASB, Brussels, Nicolet 1 Room**

**Draft agenda**

**Participants:**

|  |  |  |  |
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| **Participants** | **Organisation** | **6/06** | **7/06** |
| Rainer Volkamer | CU Boulder | x | x |
| Ted Koenig | CU Boulder | x | x |
| Henning Finkenzeller | CU Boulder | x | x |
| Barbara Dix | CU Boulder  | x | x |
| Michel Van Roozendael | BIRA | x | x |
| Francois Hendrick | BIRA | x | x |
| Nicolas Theys | BIRA | x | x |
| Christophe Lerot | BIRA | x |  |
| Isabelle De Smedt | BIRA |  | x |
| Jenny Stavrakou | BIRA |  | x |
| Jean-Francois Muller | BIRA |  | x |
| Maite Bauwens | BIRA |  | x |
| Bert Verreyken | BIRA |  | x |
| Crist Amelynck | BIRA |  | x |
| Martine De Mazière | BIRA |  | x |
| Corinne Vigouroux | BIRA | x | x |
| Jerome Brioude | Lacy | x | x |
| Brice Foucart | Lacy |  | webex |
| Rob Spurr | RT-Solutions | webex |  |
| Maria Kanakidou | Uni. Crete |  | webex |
| Stelios Myriokefalitakis | Utrecht |  | webex |
| Yuzo Miyazaki | Uni. Hokkaido |  | webex |
| Matti Rissanen | Uni. Helsinki | x | x |

**6 June, PM (14:00 - 18:30) – Observations at Maido, LePort and St. Denis**

14:00 Introduction to workshop objectives (Rainer)

14:10 Ongoing remote sensing measurements at La Reunion

* MAXDOAS measurements at Le Port (Michel/ Francois)
* MAXDOAS measurements at Maido (Ted/CU)
* FTIR measurements at Maido (Corinne)
* Relevant satellite data sets (Nicolas/Christophe)

15:30 Break

16:00 Update on LIDORT tools (Rob by webex)

16:15 MAXDOAS measurements at Mauna Loa Observatory (Barbara/CU)

16:30 Aircraft measurements of BrO and Bry during CONTRAST (Ted/CU)

16:45 Discussion

* inversion tools, e.g. how to increase DOF (joint retrievals?)
* need for intercalibration campaign?
* synergy UV-Vis/FTIR?
* ancillary/supporting data (model data, satellite data)
* priorities/plans for cooperation

17:15 Digest of MLO measurements and data analysis (CU/BIRA)

* BrO fitting and inversions at BIRA (Michel + Francois/Nicolas)
* CU Boulder tropospheric BrO inversions (Rainer + Ted/Barbara)
* vertical sensitivity and tropical tropopause
* issues to be resolved
* plans

18:30 Adjourn and group dinner

**7 June, AM (9:00 - 13:00) - Modelling and link to related lab and campaign activities**

09:00 OCTAVE project (Jenny/ Crist)

09:20 Photochemistry of fatty acids at interfaces (Rainer)

09:40 Off-line measurements of chemical compositions and stable carbon isotopes
in size-segregated aerosols at Maido (Yuzo by webex)

10:00 New Particle Formation (NPF) within the volcanic plume of Piton de la Fournaise at Maïdo Observatory, on La Réunion Island (Pierre/Karine by webex)

10:20 Measuring the composition of nucleating vapors by CI-TOF-MS (Matti)

10:40 Discussion

* Instrumentation, space and power at Maido Observatory (Jerome)

11:00 Break

11:20 Modeling activities at Lacy (Jerome)

11:40 3D-Chemistry-transport modelling at BIRA (Jean-Francois)

12:00 Discussion

* identification of key science topics for joint exp & mod work
* possible synergies

13:00 Lunch

14:30 Marine organics and aerosols in the global model TM4/ECPL (Maria by webex)

15:00 Discussion and conclusions