



**3rd SHIVA annual meeting in Leeds, July 14/15th, 2011
at the University of Leeds, UK**

For further details see:

- Meeting webpage: <http://homepages.see.leeds.ac.uk/~lecmc/shiva2011/>
- SHIVA webpage: <http://shiva.iup.uni-heidelberg.de/>

July 14 (9:00 – 12:30) SHIVA Western Pacific campaign planning meeting

During the (informal) SHIVA Western Pacific campaign planning meeting, we should discuss the status of the planning and make final arrangements on the instrumentation and logistics for the ground-based, aircraft, ship-borne and satellite observations, as well as schedules, permission and visa issues, etc.

So we expect talks (15 min) on:

9:00 Start (Chair Bill Sturges)

- Ground-based measurement (Folkard Wittrock/Andrew Robinson)
- Ship (Sonne) measurements (Birgit Quack)
- Aircraft (Falcon) measurements and report of recent visit in Miri (Hans Schlager/F. Probst)
- Local ship measurements (NN)
- Satellite measurements (Nicolas Theys/Francois Hendrick/Astrid Bracher)
- Activities of our Malaysian Partners (Azizan/Justin)
- Meteorology forecasting and analysis during the campaign (M. Rex/H. Schlager/Azizan, Andreas Dörnbrack)
- Communication during the campaign (Klaus Pfeilsticker/Mareike Kenntner)

Everyone of the SHIVA community may, but does not need to, participate in this meeting. We expect those mentioned above.

July 14 (14:00 – 18:30) The 3rd SHIVA annual meeting

14:00 Welcome & some organizational issues (Klaus Pfeilsticker and Martyn Chipperfield)

14:15 WP-1: SHIVA administration & management & deliverables (Marcel Dorf)

14:30 Science talks (15 minutes each in total) (Chair: Dwayne Heard)

1. Neil Harris: *Update of VSLs measurements in the Malaysian region*
2. Astrid Bracher: *Phytoplankton as source of VSLs investigated during two cruises: P399 and TransBrom Sonne*
3. Franziska Wittke: *Global halocarbon emissions based on in-situ measurements*
4. Steffen Fuhlbruegge: *Update of IFM-GEOMAR VSLs measurements in the tropical E. Atlantic*
5. Emma Leedham/Bill Sturges: *Halocarbons from tropical intertidal biota*
6. Francois Hendrick: *Budget and trend analyses of stratospheric BrO and IO loading*
7. Andrea Engel: *VSLs source gases for stratospheric bromine and range of possible product gas contributions based on WMO 2010*

16:15 – 16:45 Tea break

16:45 Science talks continued (Chair: Björn-Martin Sinnhuber)

1. Matt Ashfold: *Composition of the upper troposphere over Borneo inferred from back trajectories*
2. Nicola Warwick: *Modelling bromoform in the MBL of the maritime continent*
3. Gisele Krysztofiak: *Detailed modelling of tropospheric brominated very-short lived species degradation*
4. Virginie Marécal: *What do we learn on bromoform transport and chemistry in deep convection from fine-scale modelling?*
5. Xin Yang: *Halogen chemistry in the UKCA CCM – some preliminary results*
6. Ryan Hossaini: *Global CTM and CCM modelling of VSLs species*
7. Victoria Mohr: *Analysing the widening of the Tropical Tropopause Layer with a Lagrangian approach using ERA-Interim data*

Evening

19:30 Dinner in city centre

July 15

Morning - WP reports:

8:30 WP-2: Summary on planned activities for the W. Pacific campaign (Bill Sturges)

9:00 Aircraft measurement strategy, flight strategy, meteorological forecast and modelling input, logistics, summary of planned flight patterns (Hans Schlager)

9:15 Ship-borne measurements, ship track, meteorological forecast and modeling input, logistics (Birgit Quack)

9:30 Ground-based measurements, instruments, logistics ... (Folkard Wittrock/Neil Harris)

9:45 Communication during the campaign (Klaus Pfeilsticker and Mareike Kenntner)

10:00 Coffee break

10:30 WP-2: Discussion on all relevant issues related to the W. Pacific campaign (all)

11:00 WP-3: Emission inventories and future oceans (status, deliverables) (Birgit Quack)

11:20 WP-4: Process studies (status, deliverables) (Markus Rex/Virginie Marécal)

11:40 WP-5: Stratospheric halogens analysis and measured trends and projections (status, deliverables) (Björn-Martin Sinnhuber)

12:00 WP-6: Global modelling (status, deliverables) (Stephan Füglistaler/Martyn Chipperfield)

12:30 Lunch break

Afternoon

13:30 Reporting, discussion, milestones & deliverables and implementation of all WPs, database, dissemination

- WP-2: any further arrangements, campaign planning (Bill Sturges)
- WP-3: further arrangements for WP3 (Birgit Quack)
- WP-4: further arrangements for WP4 (Markus Rex)
- WP-5: further arrangements for WP5 (Björn-Martin Sinnhuber)
- WP-6: further arrangements for WP6 (Stephan Füglistaler/Martyn Chipperfield)

15:00 WP 1: e.g., discussion of schedule for next meetings (WPLs, SC & advisory board, annual meetings) (Marcel Dorf)

15:30 Decision making ...

16:00 Tea and End