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## ▲ EUFAR FP7 News

### ▲ Ongoing personnel changes in the EUFAR Office

Florence Rivé came to the end of her contract in EUFAR and has re-located to Lyon with her family including Eric Mathieu (ex EUFAR and SAFIRE). Elisabeth Gerard has been appointed as the new EUFAR Project Manager and has already met some of the community at the Paris meeting in March.

Valentina Carminati has returned to the attractions of her native Italy and Bob Wells will retire later in the year. A new Scientific Assistant, Niamh Burke, is being appointed and she is expected to start work in Toulouse in July.

### ▲ Preparation of the next EUFAR proposal

In anticipation of the EU announcement, EUFAR has started working on its submission for a further contract to start in October 2012. In particular, expressions of interest in potential Joint Research Activities are now being evaluated.

## ▲ EUFAR meetings

### ▲ Next meetings

- ▶ **EUFAR General Assembly meeting 04**, will be held on September 19th-21st 2011 in Italy, hosted by CNR.
- ▶ **EUFAR N4EWG joint meeting 10** on Imaging Spectroscopy Sensors, Calibration/Validation and Data Processing will be held on April 14th 2011 in Edinburgh, UK, during the 7th EARSel conference (from April 11-13th, [www.earsel2011.com](http://www.earsel2011.com)).
- ▶ **EUFAR N4EWG meeting 12** on Hyperspectral Applications for Soil - A Demonstration and Practical Exercise for Modeling Soil Spectral Information (DePeMossi) will be held on August 29th-31st 2011 in Potsdam, Germany, hosted by GeoForschungsZentrum Potsdam (GFZ).

### ▲ Meetings since the last newsletter

All meeting reports are available at [www.eufar.net](http://www.eufar.net) (Select Search / Documents from top menu; Select "Meeting" in "Links with specific subject"; Choose your meeting).

- ▶ **EUFAR meeting to prepare the next contract and the COPAL final meeting**, held jointly on March 9th-11th 2011 in Paris, France, hosted by Observatoire de Paris. The objectives of the EUFAR meeting were to scope the next EUFAR network, review the outcome of the networking activities, decide how they should evolve and evaluate the Joint Research Activities (JRA) proposals. There were 51 participants.



- ▶ **EUFAR N4EWG meeting 11** on Gas-phase & UK Chemistry Working Group was held on February 4th 2011 in Cranfield, UK, hosted by Cranfield University.
- ▶ **International Conference on Airborne Research for the Environment (ICARE)**

**For the 10th anniversary of the European network of airborne facilities for research in environmental and geo-science, an international conference was organized at the Météo-France Conference Centre in Toulouse, on October 25th-31st 2010:**

- ▶ during this international conference, there were sessions on
  - ▶ Emerging Technologies
  - ▶ Open Access
  - ▶ User Needs
  - ▶ Forward Look meeting

**All the presentations are available on the EUFAR website.**

- ▶ an exhibition of European and US research aircraft was organised at the Toulouse Blagnac airport (including inter-calibration flights)
- ▶ a EUFAR training course was held on data processing and Quality Control/Quality Acquisition based on data collected during the inter-calibration flights
- ▶ aircraft displayed include:
  - ▶ C-130 (NSF)
  - ▶ Falcon 20 (DLR)
  - ▶ Falcon 20 (SAFIRE)
  - ▶ ATR-42 (SAFIRE)
  - ▶ POLAR5 (AWI)
  - ▶ CASA 212-200 (INTA)
  - ▶ Dornier-228 (NERC)
  - ▶ Schmidtler Enduro (KIT)
  - ▶ CNR SkyArrow (CNR)
  - ▶ Dimona (METAIR)
  - ▶ DA42MPP (Diamond Airborne Sensing)
- ▶ about 60 stands were available for airborne research scientists and SMEs to display their products and know-how.

**Meetings held during the ICARE-2010 conference:**

On October 25th:

- ▶ **EUFAR N4 Expert Working Group (EWG) meeting 06:** "Aerosol Single Scattering Albedo". There were 10 participants.
- ▶ **EUFAR N4EWG meeting 07:** "Instrument Integration and Certification". This meeting dealt with airborne operation and certification items, and by extension about instrumentation integration. There were 15 participants.
- ▶ **EUFAR N4EWG meeting 08:** "Gas Phase Chemistry". There were 10 participants.
- ▶ **EUFAR N6 Standards and Protocols / International Society for Photogrammetry and Remote Sensing (ISPRS) Terms of Reference (TOR) 2.3.11 / Interagency Working Group for Airborne Data and Telemetry Systems (IWGADTS) Joint Meeting.** This meeting brought together members from the US and Europe with the aim of developing standards and protocols for airborne data, data-processing, data-links and networks. There were 12 participants.

On October 26th:

- ▶ **EUFAR N4EWG meeting 09:** "EUFAR book "Airborne Measurements - Methods and Instruments". There were 19 participants.
- ▶ **EUFAR JRA2 meeting 05:** "Joint Research Activity (JRA2) on Quality layers for airborne hyperspectral imagery and data products (HYQUAPRO)". There were 13 participants.

## ▲ Transnational Access / Education & Training

EUFAR Transnational Access provides access to research aircraft and to hyperspectral remote sensing instrumentation. The aircraft range from lightweight, slow-flying aircraft with restricted instrument payloads, to multi-engined large tropospheric aircraft capable of carrying several tonnes of instrumentation. These provide capabilities for study in a wide range of disciplines including atmospheric trace gas chemistry, aerosol and cloud microphysics, turbulence and atmospheric radiative transfer across a wide range of wavelengths together with land-surface remote sensing for a variety of purposes including vegetation studies, land-use changes and archaeology. We are keen to encourage access from researchers in countries that have no access to such facilities via their national funding sources and especially from those researchers that have no previous involvement in airborne research observations.

### ▲ Some statistics:

- ▶ Transnational Access: 58 projects have been submitted in FP7:
  - 32 have been confirmed out of which 19 have been flown successfully (ADDRESS, AIMWETLAB, AIRES-CZM, ALISA, ARMSRACE, A.NEW, BIOHYPE, EDOCROS, GEOMAD, i-WAKE2, HYMOWEB, HyperForest, MORE, SRMGlaciers, TETRAD, T-MAPP, QAD, ValCALHyp, and VERDRILLT)
  - 5 are under evaluation
  - 4 are in pre-review
  - 15 have been rejected or withdrawn
  - 2 were non eligible.
- ▶ Education&Training - Join an existing campaign: 8 applications have been received. 7 have been accepted and 1 refused.

### ▲ Transnational Access applications for small aircraft:

EUFAR would like especially to encourage applications to make use of the smaller, lighter aircraft in the EUFAR fleet. These may be particularly suitable for use by inexperienced researchers since they can benefit from the allocation of larger amounts of flight time than on the heavier and more expensive aircraft. These aircraft do, however, carry sophisticated instrumentation and provide opportunities to undertake leading-edge research. For further information and assistance, please visit the EUFAR website, [www.eufar.net](http://www.eufar.net), contact the Transnational Access coordinator, Phil Brown ([phil.brown@metoffice.gov.uk](mailto:phil.brown@metoffice.gov.uk)) or Bob Wells in the EUFAR Office ([bureau@eufar.net](mailto:bureau@eufar.net))

**The EUFAR Transnational Access call is continuously open for proposal submission until Dec 2011!!!**

### ▲ EUFAR Upcoming Training Courses:

- ▶ **4th EUFAR FP7 Training Course, "School ON Aircraft Techniques for the studies of Atmospheric chemistry (SONATA)":** this training course is organized by CETEMPS-University L'Aquila from August 17th to 28th 2011, Pescara (Italy). Registrations will close on May 20th 2011. 20 participants will be selected.

### ▲ EUFAR Completed Training Courses:

- ▶ **1st EUFAR FP7 Training Course on "ADvanced Digital Remote sensing in Ecology and earth Sciences Summer School" (ADDRESS)**: this training course was organized by the Balaton Limnological Research Institute (BLRI) from August 19th to 28th 2010, in Tihany (Hungary).
- ▶ **2nd EUFAR FP7 Training Course on "Training & Education for Turbulence Research via Airborne Data" (TETRAD)**: this training course was organized by the CNR ISAC Institute for Atmospheric Sciences and Climate from September 10th to 18th in Hyères (France).
- ▶ **3rd EUFAR FP7 Training Course on "Quality of Airborne Data" (QAD)**: this training course was organized by the Stockholm University from October 26th to November 5th 2010 in Toulouse (France).

## ▲ EUFAR Dissemination

EUFAR posters and leaflets have been sent and displayed during the following conferences since the last newsletter:

- ▶ **SPIE Remote Sensing (20th-23rd September 2010, Toulouse, France)**
- ▶ **Recent Advances in Quantitative Remote Sensing (27th September-1st October 2010, Auditori-Torrent, Spain)**
- ▶ **GEO VII/Ministerial (November 5th 2010, Beijing, China)**

**In the future:**

- ▶ **EUFAR will have a stand at the next EGU conference (April 3rd-8th 2011, Vienna, Austria - booth n°M7) and at the EARSel 7th SIG-Imaging Spectroscopy Workshop (April 11-13th 2011, Edinburgh, UK - booth n°6) : come and visit us!**

**Do not hesitate to contact EUFAR Office at [bureau@eufar.net](mailto:bureau@eufar.net) if you want to receive EUFAR posters/leaflets in order to promote the project during conferences.**



## ▲ COPAL NEWS

COPAL is in the midst of its last year (ends on October 31st 2011). The final COPAL meeting took place on March 9th 2011. It has been fruitful since the partners agree to continue COPAL with a light interim legal structure like a Memorandum Of Understanding (MoU). The objective is to sign this commitment before October 2011 (for more details regarding this commitment, please refer to the meeting report).


## ▲ COPAL Previous Meetings

- ▶ **COPAL final meeting (4th Steering Committee and Governing Board meeting)** held in Paris (France) on March 9th 2011, hosted by Observatoire de Paris (see above).
- ▶ **COPAL 3rd Governing Board meeting** held in Toulouse (France) during the ICARE conference on October 26th 2010, hosted by Météo-France.
- ▶ **COPAL 3rd Steering Committee meeting** held in Thessaloniki (Greece) on September 23rd-24th 2010, hosted by GSRT. The Steering Committee members discussed of the actions to be taken during the last year of the project to ensure its implementation. They made propositions to the Governing Board to be held one month later during the ICARE conference in Toulouse.

**Reports of these meetings are available on the EUFAR website.**

## ▲ COPAL at EGU 2011 Conference

COPAL will have a joint stand with EUFAR (booth n°M7) at the next EGU conference (April 3rd-8th 2011, Vienna, Austria).



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