

TRAVEL & INFORMATION GUIDE

Exploring Air-Sea Interaction via Airborne Measurements
EASI

25 June – 4 July 2017

Shannon, Ireland

Organised by:



ISAC - Institute of Atmospheric Sciences and Climate



VITO - Vlaamse Instelling voor Technologisch Onderzoek

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1. General Information

The 7th EUFAR Training Course, financed by EUFAR and jointly organised together with CNR-ISAC and VITO, will take place from 25 June to 4 July 2017 in Shannon, Ireland. Entitled “Exploring Air-Sea Interaction via Airborne Measurements (EASI)”, the training course will take place at the Shannon airport. A visit to the Mace Head Atmospheric Research Station is planned.

2. Directions

Access & Public Transport:

Getting to Shannon

Air Transport via Shannon International Airport:

Shannon International Airport (<http://www.shannonairport.ie/gns/passengers/home.aspx>) is one of Ireland's three primary airports, along with Dublin and Cork. It is located around 5km from the Oak Wood Hotel and about 5.5 km from the center of Shannon in the West direction.

List of airlines at Shannon International Airport: Ryanair, Air Lingus, Lufthansa, American Airlines, United Airlines, Delta Airlines, British Airways (Special Service BA001)

Transport from the Shannon International Airport

Shannon International Airport is located in the city limits of Shannon and there is public transport connecting this airport with different parts of the city (see <http://www.shannonairport.ie/gns/passengers/go.aspx>).

It is possible to reach the Oak Wood Hotel from Shannon airport by using the Eireann Bus (n°343, <http://www.buseireann.ie/timetables/1463587655-343.pdf>).

Taxi companies are available too for participants arriving at inconvenient hours.

Transport from Dublin International Airport to the Oak Wood Hotel (and return)

On June 25, 2017

A bus service from Dublin International Airport to the Oak Wood Hotel has been organised. The bus will leave the Airport at 3:30 pm from outside Terminal 1.

The bus service is operated by: Emerald Vip Service company.

The bus driver will meet the group as they exit the baggage/customs hall into the Arrival hall or at the bus starting from 3:00 pm.

Note that the estimated travel time is: from 2h45min to 3h.

If you cannot use this service, you have to organise yourself the trip to reach the venue.

On July 4, 2017

We have organised a bus service to Dublin International Airport from the Oak Wood Hotel. The bus will leave at 2pm.

3. Accommodation

All training course participants and trainers will be accommodated at the Oak Wood Hotel (<http://www.theoakwoodhotel.com/>) between 25 of June and 4 of July 2017.



EUFAR funded participants

Accommodation for EUFAR funded participants for the nights of 25th to 4th inclusive will be paid by EUFAR, therefore when checking-out you will not need to settle your bill. All meals from arrival to departure have also been booked on your behalf over the training course and will also be covered by EUFAR.

However, if your arrival in Shannon before 25 June and/or your departure after 4 July, are due to travel complications (e.g. no flight available arriving on the 25th), expenses linked to these extra days will be reimbursed by either EUFAR on provision of justifications (tickets, receipts, etc.). Any prolonged stay linked to personal/touristic reasons will be at your own expense.

At checkout kindly settle any extra expenses you have incurred during the stay such as telephone, bar, extra expenses related to spouse, etc.

4. Travel & Subsistence Reimbursement

The EUFAR Office/Météo-France will be responsible for the reimbursement of any extra travel and subsistence (T&S) expenses incurred, unless differently agreed. The reimbursement of individual costs by the EUFAR Office will be based on real costs upon receipt of the proofs of payment (such as taxi, bus, other receipts, etc.). Meal receipts are not required.

Meals:

Regarding the meals not organised for EASI, note that the reimbursement of the meals cannot exceed **€33.25 per meal** in accordance with Météo-France's T&S rate for Ireland.

Hotel:

The maximum reimbursement of accommodation expenses is **€123.50 per night including breakfast** for those of the participants who will have reserved another hotel by themselves.

Travel:

Your travel tickets, as proof of travel, will also be requested (boarding passes/train/metro tickets) even if paid by the EUFAR Office, thus please keep all your original tickets and receipts.

Use of a private car:

Reimbursement of use of private car is on the basis of about **€0.32 per kilometre** (dependent of engine capacity). Fuel is included in the kilometre rate. Road tolls may be paid extra, so please keep all tickets. When two or more participants travel together by car, only one person will be reimbursed for the associated travel costs.

Use of taxi:

Reimbursement of taxi fees requires prior approval from the EUFAR Office. As a general rule, participants with early or late flights are legible for reimbursement of taxi expenses.

To be reimbursed for travel and subsistence expenses, please fill in and send the travel claim form (also attached), along with original invoices/receipts to the following postal address:

*Attn: Elisabeth Gérard
EUFAR Office
Météo-France/CNRM
42, avenue Gaspard Coriolis
31057 Toulouse Cedex 01
France*

This form needs to be sent before **4 August 2017**, unless you will be claiming your costs through Form C (only applicable to EUFAR2 partners), in which case kindly inform us.

5. Software requirements

Each participant should bring his/her own laptop.

To work with flight data and participate to tutorials, the following SOFTWARE should be installed if not already present in your laptop:

- Python
- Anaconda2 (latest release is Anaconda2-4.3.1-xxxxxxx_x64.xxx) or similar for 32 bit systems.

Please read the tutorial:

<http://www.cdt-pv.org/media/resources/Anaconda-Quickstart.pdf>

- NETCDF4 Library

6. Power-Point Presentation

Please use the Powerpoint template as attached to prepare:

- The individual self-introduction to be made on June 26, 2017 (2 slides are ok)
- The working group scientific presentation to be made on July 4, 2017

7. Medical Form

Please do not forget to fill in and bring the “Contraindications and guidelines aboard SAFIRE aircraft “, if you have not sent it already. The form is at the end of this document.

8. Training School Program

The program is available following the link:

http://www.eufar.net/media/uploads/documents/da/ae/daae70fb-178c-4fb8-8c68-c25a0555ba55/easi_draft_programme_1june2017.pdf

9. Currency

Ireland is in the EURO zone and thus Euro is the official currency.

10. Contact

For any questions concerning the summer school, please contact:

ISAC - CNR	EUFAR Office
Alessandra Sabina LANOTTE	Elisabeth GERARD
E-mail : a.lanotte@isac.cnr.it alessandra.lanotte@gmail.com	E-mail : bureau@eufar.net
	Tel : +33 5 61 07 98 38
ISAC - CNR	VITO
Francesco CAIRO	Ils REUSEN
Email : f.cairo@isac.cnr.it francesco.cairo@artov.isac.cnr.it	Email : ils.eusen@vito.be
Tel : +39 0649 934 199	Tel : +32 14 33 68 62
Cell phone : +39 3334 072 140	



Contraindications and guidelines aboard SAFIRE aircraft

SAFIRE conducts scientific measurement flights. The flight conditions are different from those encountered in commercial air travel. In particular, the aircraft cabin may be subject to significant and persistent turbulence, low or high temperatures and low atmospheric pressure. People with the following contraindications are not allowed on board:

- **Contraindications to air travel as listed in the Annex**
- **Pregnant women**
- **People on anticoagulants**

This list is not exhaustive. If you have any doubt about your medical aptitude for scientific flights, and especially in case of chronic or progressive disease or if you have ever had a serious illness, you must consult your doctor.

Considering the configuration of the cabin, people with mobility difficulties or of a size incompatible with the cabin environment will not be allowed on board. People on board will also have to be able to understand and to follow instructions. Therefore, people with hearing or visual impairments will not be accepted.

SAFIRE aircraft are laboratories with live electrical equipment, hot or cold materials, etc. Therefore, people boarding should wear appropriate clothing.

SAFIRE activity is devoted to aerial work, so all the people on board are considered as crew members. We draw your attention to the fact that operational procedures specify that the crew must not consume alcohol in the 8 hours before a flight.

I,, hereby certify having understood the content of:
- this sheet, (*particularly, I'm not pregnant, I'm not under anticoagulant treatment, I've no contraindication to air travel*)
- and the safety instructions that were presented to me by SAFIRE staff.

I agree to comply with all of these instructions.

I also certify that I have no known medical contraindication to participate in scientific flights on SAFIRE aircraft.

At Date

Signature

ANNEX : Contraindications to commercial air travel

The following list of contraindications is extracted from an article published in the medical journal *Lancet*¹. It is provided for information purposes only.

Cardiac and pulmonary disorders

- Myocardial infarction 7–10 days before air travel
- Unstable angina
- Coronary artery bypass graft 10–14 days before air travel
- Decompensated heart failure
- Uncontrolled dysrhythmia
- Contagious pulmonary infections
- Baseline sea-level PaO₂ < 67–70 mm Hg without supplemental oxygen
- Obstructive/restrictive lung-disease exacerbation
- Large pleural effusion
- Pneumothorax 3 weeks before air travel (7–14 days with medical escort)

Neurological disorders

- Stroke 5–10 days before air travel
- Uncontrolled seizures or 24-h after grand-mal seizure

Surgical interventions

- Any gastrointestinal, thoracic, ear, nose, and throat, and neurological surgical procedure 10–14 days before air travel
- Uncomplicated appendectomy or laparoscopic surgery 5 days before air travel

Miscellaneous

- Unlikely to survive flight
- Severe contagious illness
- Sickle-cell disease exacerbation 10 days before air travel
- Severe anaemia (haemoglobin < 8.5 g/dL) unless due to chronic disease
- Aggressive unpredictable behaviour or acute psychosis
- Severe sinusitis
- Decompression syndrome 3–7 days before air travel

¹ D. Silverman, M. Gendreau (2009). Medical issues associated with commercial flights. *Lancet*, 373, 2067-2077.