

Agenda for ENRAM meeting, Malta, 19-20 April 2016

Venue: Corinthia Palace Hotel and Spa, De Paule Avenue, San Anton BZN9023, Malta
<http://www.corinthia.com/hotels/malta/palace-hotel-and-spa/>

Monday 18 April

Arrival at hotel

Tuesday 19 April

09:00

MC Meeting (*MC members only*)

See separate standard MC agenda; Items to discuss include:

WG1: Progress on biological classification algorithms
Progress on access to WR data & implementation of the algorithm
MoU issues

WG2: Calibration Campaigns autumn 2015 (Sweden)
Current and future activities

WG3: Progress on Visualizations, future activities, visualisation paper

WG4: Update on publications & future plans

All: Training School / International Symposium (*hosted by Giacomo in Rome, 15-18 Nov 2016*)
Future ENRAM meetings, STSMs & Budget

11:00

Coffee Break

11:20

Resume MC meeting

13:00

Lunch

14:00

Main meeting (plenary session for all participants)

- *Intro; brief details of budget & workplan for next grant period (May 2016 – Apr 2017), training course & Int. symposium (JC, 10 mins)*
- *Brief introductions from WG leaders (10 mins each, highlights of past year & plans)*

15:00

STSM reports

11 x 5-min presentations from all participants who have carried out an STSM since last MC meeting in Feb 2015:

Denise Ade (presented by Jan Blew)
 Annika Aurbach
 Paulo Becciu
 Peter Desmet
 Adriaan Dokter
 Sevgi Gurbuz
 Hidde Leijnse
 Elena Patčev
 Nir Sapir
 Martina Scacco
 Nadja Weisshaupt

16:00 Coffee Break

16:20 **Parallel WG1 – WG4 meetings**

WG1:

During the WG1 session we will focus on two topics:

(1) dual-pol classification: we will compare weather radar data from different radar sites throughout Europe, with the aim of formulating classification rules or models of general applicability in Europe. All participants are encouraged to bring dual-pol weather radar data with cases of bird and insect signals to be used in this workshop.

(2) quality of current algorithms: we will evaluate the results of recent validation campaigns (e.g. Kullaberg) and identify data quality issues that arose in recent STSMs. The aim is to identify how existing automated methods can be improved, and to formulate recommendations to the meteorological community on the data quality in the context of bird/insect detection.

In addition, we will discuss the implementation status of algorithms in BALTRAD and data use policies.

WG2:

Within the WG2 session we will discuss the results from calibration campaign from last autumn at Kullaberg (see table below red crosses), and its consequences. If the calibration measurements in Hungary will take place (green crosses), we need to discuss the data treatment and find a person responsible for putting the results together (focus on insects).

	echo classification	height distribution	phenology	directions	speeds
Dual-Pol Weather	X,X	X	X	X	X
Single tracking	X	(X)		X	X
BirdScanMR1	X	X,X	X,X	X,X	X,X
T-bar surveillance	?	X	X	(X)	X
Insect radar	(X),X	(X),X	(X),X	(X),X	(X),X

In addition, the results from the comparison of weather radar and superflodermaus data from the Fehmarnbelt as well as the results from the windprofiler data analysis will be presented and discussed. Publication of the achieved results has to be discussed (combined with WG4?) and decided. Finally, gaps, open questions and next steps have to be defined.

WG3:

WG3 will focus on the following topics:

1) Past WG3 activities have been dedicated to visualization techniques in general during a workshop followed by a number of STSM's and a hackathon. The outcome of these activities have been written in a paper on visualization which needs to be finalized during the meeting. Depending on the participants, we can work on small parts to finish the paper

2a) We would like to focus the second part of the ENRAM activity on combining visualizations of individual GPS tracking into the weather radar visualizations. A radar composite of at least the Netherlands and Belgium (hopefully the west-European flyway) will soon become available, which offer the opportunity to define new scientific questions, visualizations, showcases and STSM's. During the meeting we will (a) define methods for visualizing two dynamic datasets; (b) define periods and areas in Europe for showcases to (c) answer new scientific questions.

2b) Another potential case study is to consider the crazy winter (2013), which caused a month delay in early spring migrants. José, Judy and Hans will prepare some analysis in advance on GPS tracked gulls and godwits (if any) and migrating Widgeons. Any other participant with datasets from March, early April 2013 can bring their dataset too. Basically we will look into the start of spring migration – during or just after this strong cold front, do we see reverse migration as we might expect, or a halt of migration and when do we see a release? I think something like this would be a lot of fun and could potentially lead to a short publication, like the paper by Nathan Senner on Godwits (<http://dx.doi.org/10.1111/1365-2656.12381>).

3) Towards ENRAM's future existence. In cooperation with WG1 we will draft a requirement document for infrastructure, tools and visualizations, using FlySafe infrastructure and Virtual Lab (University of Amsterdam) as an example. Also seek funding opportunities at the European scale (ESA?).

WG4:

1. Environmental effects review: Don, Michal Ciach and Nir prepared a draft as part of Silke's 'Grand Challenges' manuscript that eventually took a different direction but presumably should be developed into a full manuscript. This contribution is a review of environmental effects on flying animals as recorded by radar that could/should be extended further by Nir's student Paolo Becciu.

We will discuss on how to proceed with this manuscript, including specific suggestions that could be integrated within this contribution and which topics should be emphasized and further developed.

2. Review/opinion paper on radar methods in nature/animal conservation and environmental impact assessments. Several ideas already came up during former meetings. They will be developed further and outlined (topics to be covered, working plan including the division of work between different people, and a timetable).

3. Summary of the STSMs that have been undertaken over the last year with relevance to the goals of WG4, with consideration of whether there is potential for development of a WG output.

17:50 WG meetings end – refreshments break

18:15 Yossi Leshem – report on his meeting at the Davos World Economic Forum

18:25 Yossi Leshem – radar studies of black kite aggregations in Israel

18:30 End // Dinner

Wednesday 20 April

09:00 Parallel meetings of **WG1 – WG4** (continued)

11:00 Coffee Break

11:20 Resume WG meetings

13:00 Lunch

14:15 Yossi Leshem & Nir Sapir – short presentations of projects with IAF

14:30 Parallel meetings of **WG1 – WG4** (continued)

16:00 Coffee Break

16:20 **WG feedback to group (in plenary)**

17:40 **Conclusions & Future Action Points**

18:00 End // Dinner

Thursday 21 April

Depart