

Organisation Scientifique et Technique Internationale du Vol `a Voile
OSTIV Meteorology Panel held at ZHAW, CE
6-7 February, 2015

REPORT of OSTIV MET PANEL 2015

by

Prof. Dr. Bruno NEININGER (Local Chair, Host Institution, ZHAW)

Prof. Dr. Zafer ASLAN (Met Panel Chair, Istanbul Aydın University)

Meeting: OSTIV MET PANEL

Date: 6-7 February, 2015

Session Number: 1-8 Session Title: All sessions, including panel

TOPICS	DETAILS
1. Was papers presented? (Y/N)	Yes
2. Was paper available online? (Y/N)	It will be downloaded on OSTIV Met Panel Web Page by Dr. Martin HAGEN until Feb. 28 th . February, 2015.
3. Attendance at presentation	23 presentations
4. Number of Participants	23-30 participants/day

Comments: _____

Short Minute:

Session IV Panel:

- *An Outline of the Solar Impulse Project (Prof. Dr. Bruno NEININGER is a Member of the Core Team; Lt. Col. René HEISE is a Consultant) (Presented by Prof. Dr. Neininger Bruno)*

- *Micro-lift (Topic highlighted by Prof. Dr. P. MORELLI), Rayleigh Benard Convection (Theory of it): Prof. Dr. Boermans open the discussion and shared the theory with participants.*

- *Archaeopteryx - an ultralight glider, using microlift, developed in Winterthur*, (Presented by Prof. Dr. Hanfried HESSELBARTH, ZHAW)
- *Renewing of OSTIV-WMO Handbook and definition of Renewable Committee Members*, (Renewing of OSTIV Weather Forecasting Handbook (WMO) published in 2009. (It will be into the agenda of the next Panel)
- *Mission and Vision of OSTIV-METEOROLGY PANEL* (It is concluded that it is not necessary to do any changing on mission and vision of OSTIV MET Panel)
- *Discussions about the aims and the future of the Meteorological Panel:*
 - To increase limited number of members of OSTIV MET Panel Group,
 - Publishing papers in Technical Soaring and also other magazines, like "aerocurier magazine", "DLR Magazine" etc. (preferably in electronic publications and hence papers published in TS are more complicated for glider pilots)
 - Database/member list/country by country/ link via OSTIV MET PANEL Web page, (List will be prepared by Hakkı BALTAÇI and sent to OSTIV Chair, the last organizer, web master.)
 - Integration with boundary meteorology group,
 - Advantage of decreasing membership fee (25 EURO) of OSTIV,
 - To increase the numbers of OSTIV Members,
 - To develop the link with weather services,

Session VII Discussion

- *Establishment of Executive (Sub) Committee of OSTIV MET PANEL* (It is concluded that at this stage it is not necessary to establish such a committee).

- *Next MET PANEL (2017)*

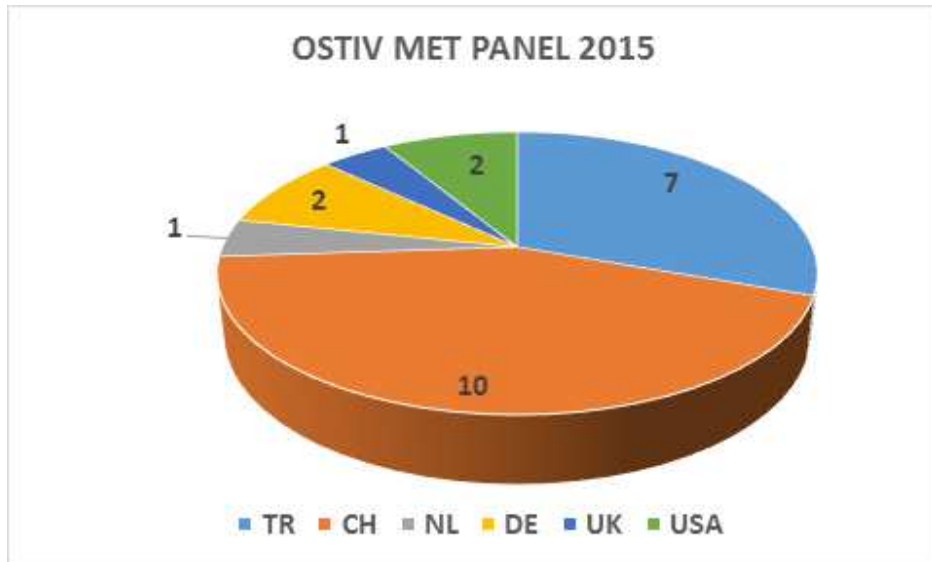
- Organisation of embedded session (MET Panel) in EGS (European Geophysics Society Congress (EGC) held in every April in Vienna, (Only the problem would be the registration fee of the general congress).
- Organisation of MET Panel 2017 in Berlin, Monaco, Stockholm etc.... Decision will take some time.
- Sending the last version of presentations in ppt files to Dr. Hagen (martin.hagen@dlr.de) until 16th. of February, 2015.

Dear President and OSTIV members,

The workshop of the OSTIV Meteorological panel was performed during 6-7 February, 2014 in Winterthur, Switzerland. During the panel, totally 16 papers and 7 presentations were discussed.

We would like to thank for your valuable contributions in OSTIV Met Panel 2015. At the panel, 16 papers were presented; one discussion and one closing session were held.

Distribution of papers (16) and participants (23) are given as below:



At the last part of the panel, several summarized sub-topics have been come to order as follows:

- For Technical Soaring (TS hereafter); complexity, quality and the quantity of the publications together with the advertisement problems are examined. In addition, journal policies such as the continuity of the existing policies or continue under definite international refereed journals.
- In terms of the connection to the other services, more strong relationships should be improved with national weather services in order to supply weather forecasts for glider pilots.
- In terms of participation problems, more encouraging methods of younger glider pilots should be implemented in addition to the retired ones.
- Separately, the place of the next meteorological panel to be held two years later was talked with the participants.

As a consequence of the panel, we would like to increase the impact factor of TS as a Turkish academic team.

As all we know, in order to increase the quality of the journal of TS and give opportunities to the scientists to get better academic journals; effective, sufficient and publicity database are needed for academic communities, (Reported by, M.S. Hakkı BALTAÇI). Several examples are viewed up until now. (e. g. Kalnay et al., 1996 (ref.1) for NCEP/NCAR Re-analyses, global SST data (ref.2), large scale index values (ref.3)). In these examples, as a result of the published articles, all are cited either author or website names. Hence, regular historical data (e.g. thermals, hotspots etc.) studies should be worked including lat., long., year, month, day and time variables. This database must be raw data covering the whole globe or European countries. Differently from the previous studies (e.g. thermal.kk7.ch), this raw database must include only raw values of the variables standard formatted such as netcdf, grib, csv, xls etc. As a consequence, any scientists can easily show her/his ideas under the softwares google, ArcGIS, Matlab, R, Grads, NCL etc. Increasing numbers of citations related to OSTIV web page and the scientists studied in this project will enrich the popularity of the OSTIV. If this project proposal is applicable, we pleasantly contribute to this project as a Turkish academic OSTIV Team.

References

1. Kalnay E, Kanamitsu M, Kistler R, Collins W, Deaven D, Gandin L, Iredell M, Saha S, White G, Wollen J, Zhu Y, Chelliah M, Ebisuzaki W, Higgins W, Janowiak J, Mo KC, Ropelewski C, Wang J, Leetmaa A, Reynolds R, Jenne R, Joseph D. 1996. The NCEP/NCAR 40 year reanalysis project. *Bull. Am. Meteorol. Soc.* **77**: 437–471.
2. NOAA/OAR/ESRL PSD, Boulder, CO, USA, from their Website at <http://www.esrl.noaa.gov/psd>, Reynolds *et al.*, 2007
3. http://www.cpc.ncep.noaa.gov/products/precip/CWlink/daily_ao_index/teleconnections.shtml

It will be kept in Agenda:

- microlift (by analyzing all METAIR data, where we flew below 300 mAGL, preparation of proposals on Bachelor Thesis about this topic).

- On answer from Alvaro about a possible meeting place in Spain:

"We may consider Lillo, about 100 km South of Madrid. Lots of good glider people operating there (Angel Casado Princeton PhD in computer sciences and past EMEA director for EMC ("the" data storage company), Jaime Julve working in String Theory at (something like) the National Research Center, etc. all friendly and nice people, would probably bend backwards to accommodate our panel.

(In Lillo town center there is a nice monastery-converted-to-hotel, reasonably low cost & good food, I lived there during a championship. For our Suggestion: We need to write, to Prof. Dr. Neininger and to Angel Casado at acasasoalonso@gmail.com).

- Third topic: A meeting of the SESAR-JU Scientific Committee, on behalf of Alvaro (FAI) Prof. Dr. Neininger established a contact to the person who is dealing with General Aviation in SESAR

Von: Loek Boermans - LR [<mailto:L.M.M.Boermans@tudelft.nl>]

Gesendet: Montag, 9. Februar 2015 13:20

An: Zafer ASLAN; Neininger Bruno (nuno)

Betreff: RE: With our thanks

Dear Prof. Dr. Aslan and Prof. Dr. Neininger,

I would like to thank you very much for your efforts and perfect organization of the OSTIV Meteorological Panel meeting, as well as for your contributions.

It was a great pleasure for me to contribute to this meeting and talk with the participants, and I hope that one day we understand the topic of my contribution "What is Microlift?".

With kindest regards,

Loek Boermans
OSTIV President