



**DAOS WG
5th Meeting
University of Wisconsin, Madison
19-20 Sept. 2012**

Items 2.1 and 2.2

Jim Caughey THORPEX IPO

IPO Update

Some meetings 2012

- EC meeting - Exeter 8 March 2012
- Sub-seasonal to seasonal prediction - Geneva 22-23 March
- Polar prediction - Montreal 27-28 March
- THORPEX Africa RC – Geneva 8-10 May

➤ Contd.,

- PDP – Reading 18-20 June
- GIFS-TIGGE - Boulder 25-27 June
- DAOS - Madison 19-20 September
- ICSC 10 - Geneva 3-5 October
- ARC and Asian Science Symposium - Kunming, 30 Oct. -2 Nov

➤ Trust Fund

- Contributions are generally declining
- The USA has indicated it will not contribute in future
- Careful management will be needed until the end of the programme

➤ ICSC 9

Actions from ICSC 9

- **Decision/Action ICSC9 (9):** *The President of CBS encouraged the DAOS WG to maintain close links with ET-EGOS concerning the evolution of the GOS and the definition of optimal global observational networks.*
- **Decision/Action ICSC9 (10):** *The ICSC encouraged the DAOS WG to consider DA for convective scale models (e.g. for clouds and precipitation).*
- **Decision/Action ICSC9 (13):** *The ICSC noted and endorsed the proposed changes to the membership of all the THORPEX WGs*

➤ WWRP JSC 5

- Actions from the WWRP JSC 5
 - **Decision/Action WWRP JSC 5 (5):** The JSC endorsed the view that the DAOS WG is the leading data assimilation group within the WMO and must be maintained beyond the end of the THORPEX programme.
 - **Decision/Action WWRP JSC 5 (6):** The DAOS WG is invited to consider extending membership to include an individual from S. America (Action: DAOS Co-Chairs, next WG meeting)
 - **Decision/Action WWRP JSC 5 (7):** The DAOS WG is requested to note the symposium on DA being organised by the DWD in Oct. 2012 and arrange participation as appropriate. (Action: DAOS Co-Chairs, next WG meeting)
 - **Decision/Action WWRP JSC 5 (8):** The DAOS WG is encouraged to extend its area of interest to include regional scales whilst maintaining a focus on the global scale (Action: DAOS Co-Chairs, next WG meeting)

THORPEX Progress Report 2005-2011

Has now been posted on the website following review by the WWRPJSC

➤ Executive Summary

➤ Part I

➤ Part II

➤ Will be presented to ICSC 10 (3-5 Oct. 2012). Also a recommendation will be made to ICSC10 that a consultant be funded to prepare an overall review paper during the next 2 years using the TPR as a useful start.

THORPEX - possible future arrangements

- Action from ICSC 9 to the EC to consider the THORPEX legacy and propose a way forward.
- An EC paper has been prepared and distributed to all ICSC members. This contains options developed by the EC and a perspective from the WWRP JSC 5.
- ICSC member NMHSs and organizations have been invited to prepare a one page annex setting out their views on the way ahead.
- A summary paper of viewpoints along with the EC paper will then be tabled at ICSC 10

➤ Option A

- The THORPEX Programme formally ends in December 2014 but the DAOS WG continues within the framework of the WWRP - assuming there is sufficient funding from the WWRP core funds to support it. The RCs are disbanded.

The Trust Fund is closed and the IPO wound up.

WWRP is invited to consider the scope for including further activities e.g. PDP WG/TIGGE through rationalisation of WGs, meeting frequency, size etc and/or attracting additional funding.

- Continuing cost: 30K CHF /annum (from the WWRP budget)

Option B

- The THORPEX Programme is extended for a further 5-10 years and is restructured. The focus on high impact weather is sharpened. All three WGs remain. The RCs continue as at present.
The Trust Fund remains open for contributions and the IPO continues to the extent that it can be supported by the Trust Fund.
- Continuing Cost: 300K CHF/annum (from the Trust Fund)

➤ Option C

- A new 10 year programme (Environmental Prediction Initiative) is established jointly, where appropriate, with the WCRP with a focus on improving the predictability of high impact weather from hours to a season (seamless prediction) and within the framework of a changing climate. New projects are introduced; two such projects have already been identified (sub-seasonal to seasonal and polar prediction). Other examples might include QPF, the water cycle, etc. These projects may subsume some of the current activities carried out by the TIGGE and PDP WGs and the Regional Committees. In this Option the DAOS WG is transferred to the WWRP.
- A new Trust Fund is opened and a Programme Office set up.
- The RCs are formally disbanded but could be replaced by new regional initiatives and/or projects.

➤ Contd.,

- The rationale for this ambitious initiative would be: marshalling global scientific resources to respond more effectively to the critical challenges in predicting weather from hours to a season for the benefit of the international community and to meet socio-economic needs.

Continuing cost: c. 500-1000K CHF/annum (from a new Trust Fund).

- The EC preferred option is Option C.
- Most of the members also prefer a programme along the lines of Option C but maintaining a strong focus on high impact weather