



White Papers (WIP) Work Plan (WP) Implementation Plan (IP)

Andreas Schiller, Eric Dombrowsky, Kirsten Wilmer-Becker



Why Do We Need To Discuss This Topic?

- Originally raised by Villy Kourafalou and Pierre Brasseur: how to combine a TT White Paper with GOVST WP (→ strengthen the role GOVST plays in the international arena).
- We already have a WP with annual updates.
- However, we need to consider creating an IP and/or WIPs which are directly linked to the Review and it's outcome (an implementation might be something the review will ask for)
- **We have to establish what we are prepared to do / not to do, as well as what we can put forward as a vision for the future.**



Why Do We Need To Discuss This Topic?

- This presentation should stir a discussion of
 - how we consolidate all activities that are going on in GOV and
 - whether, e.g., White Papers could be added under an “umbrella” document.

- But the issue goes further:
 - E.g., to be able to write and act on an IP we would need a structure, particularly in financial and administrative terms (next slides)



What Defines a White Paper?

Adapted from Wikipedia:

- A **white paper** is an authoritative report or guide that helps readers **understand an issue, solve a problem, or make a decision**.
- Many white papers **discuss technology, products and methods for solving specific problems**. They may also **present research findings, list a set of questions about scientific issues**, or highlight a particular product or service.



What Defines a Work Plan & an Implementation Plan?

GODAE OceanView

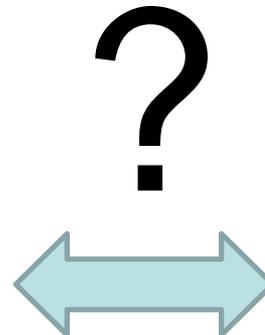


Work Plan

**GODAE OceanView Science
Team**

2009 – 2013

From an Experiment Towards a long-term International Program
for Ocean Analysis and Forecasting



GODAE OceanView



Implementation Plan

**GODAE OceanView Science
Team**

2013 - ???

From an Experiment Towards a long-term International Program
for Ocean Analysis and Forecasting



What is a Work Plan?

A work plan is an argument; it is written to plan the activities for a given period of time, first so as to convince decision makers for its approval, then as a **guiding document for the activities** to be carried out during that time period.

A work plan is a tool for planning during a specific period of time (e.g. 6 or 12 months) that identifies the problems to be solved, and ways to solve them.



Why Do Implementation Planning?

- To ensure outputs are delivered and outcomes are achieved on decisions made by GOVST

What is Implementation Planning?

- **Implementation Planning is the process of determining how a (work) plan will be implemented in sufficient detail for GOVST.**
- Implementation planning has a **strong management focus** which requires best practice approaches, skills and experience to be applied in the following seven areas:
 1. Management Control and Program/Project Management
 2. Governance and Accountability
 3. Planning
 4. (Human and Financial) Resource Management
 5. Risk Management
 6. Stakeholder Engagement
 7. Review, Monitoring and Evaluation

WWRP Polar Prediction Project Implementation Plan

DRAFT 8 OCTOBER 2012
FOR EXTERNAL CONSULTATION

Table of Contents

| | | |
|----------|--|-----------|
| 1 | Introduction | 6 |
| 1.1 | Mission Statement..... | 7 |
| 1.2 | Key Project Goals | 7 |
| 1.3 | Background to Project Initiation..... | 8 |
| 2 | Benefits..... | 11 |
| 3 | Research Plan Goals | 14 |
| 3.1 | User Applications and Societal Benefit..... | 15 |
| 3.1.1 | Overview..... | 15 |
| 3.1.2 | Key Challenges..... | 15 |
| 3.1.3 | Selected Activities | 16 |
| 3.2 | Verification..... | 17 |
| 3.2.1 | Overview..... | 17 |
| 3.2.2 | Key Challenges..... | 18 |
| 3.2.3 | Selected Activities | 18 |
| 3.3 | Observations..... | 19 |
| 3.3.1 | Overview..... | 19 |
| 3.3.2 | Key Challenges..... | 20 |
| 3.3.3 | Selected Activities | 20 |
| 3.4 | Modelling..... | 21 |
| 3.4.1 | Overview..... | 21 |
| 3.4.2 | Key Challenges..... | 22 |
| 3.4.3 | Selected Activities | 22 |
| 3.5 | Data Assimilation..... | 23 |
| 3.5.1 | Overview..... | 23 |
| 3.5.2 | Key Challenges..... | 24 |
| 3.5.3 | Selected Activities | 24 |
| 3.6 | Ensemble Forecasting..... | 25 |
| 3.6.1 | Overview..... | 25 |
| 3.6.2 | Key Challenges..... | 26 |
| 3.6.3 | Selected Activities | 27 |
| 3.7 | Predictability and Forecast Error Diagnosis..... | 28 |
| 3.7.1 | Overview..... | 28 |
| 3.7.2 | Key Challenges..... | 29 |
| 3.7.3 | Selected Activities | 29 |
| 3.8 | Global Linkages..... | 30 |
| 3.8.1 | Overview..... | 30 |
| 3.8.2 | Key Challenges..... | 30 |
| 3.8.3 | Selected Activities | 30 |

Overview.....
Key Challenges.....
Selected Activities

Many conceptual similarities with GODAE OceanView !!!

| | |
|--|-----------|
| 4 Strategies to Achieve the Goals | 31 |
| 4.1 Develop Strong Linkages with Other Initiatives | 31 |
| 4.2 Strengthen Linkages Between Academia, Research Institutions and Operational Centres..... | 34 |
| 4.3 Establish and Exploit Special Research Datasets..... | 34 |
| 4.4 Link with Space Agencies..... | 35 |
| 4.5 Promote Interaction and Communication Between Research and Stakeholders | 36 |
| 4.6 Foster Education and Outreach..... | 36 |
| 4.6.1 Education..... | 36 |
| 4.6.2 Outreach..... | 37 |
| 5 Year of Polar Prediction – YOPP | 38 |
| 5.1 Preparation Phase (2012-2016)..... | 38 |
| 5.2 YOPP (2017-2018)..... | 40 |
| 5.3 Consolidation Phase (2018-2021)..... | 43 |
| 6 Governance and Management | 44 |
| 6.1 Project Steering Group..... | 44 |
| 6.2 International Coordination Office..... | 44 |
| 6.3 Monitoring and Review..... | 44 |
| 7 Financial Plan | 45 |
| 8 Implementation Schedule..... | 46 |
| 9 References | 50 |
| 10 Abbreviations | 51 |
| 11 Annexes | 53 |
| 11.1 Annex 1 – Contributing Authors..... | 53 |
| 11.2 Annex 2 – Related Initiatives, Organizations, Stakeholders, Partners..... | 54 |
| 11.3 Annex 3 – Existing Data Sources, Datasets and Portals..... | 60 |
| 11.4 Annex 4 – Steering Group Terms of Reference - Provisional..... | 62 |
| 11.5 Annex 5 – International Coordination Office Terms of Reference - Provisional..... | 63 |

But no Implementation Plan without:

- Financial Plan,
- Human Resources Planning, and
- Implementation Schedule!!!

8 Implementation Schedule



The following Table summarises the schedule of activities by year, with the YOPP period of 2017-2018 highlighted.

| ACTIVITY | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|------|------|------|------|------|------|------|------|------|------|
| PROJECT MANAGEMENT | | | | | | | | | | |
| Fully establish International Coordination Office (ICO) | █ | | | | | | | | | |
| YOPP Planning | █ | █ | █ | █ | | | | | | |
| YOPP Implementation | | | | | █ | █ | | | | |
| Project Review | | | | | | █ | | | | |
| Project Final Report | | | | | | | | | | █ |
| Annual: PPP-SG meeting; Report to WWRP-JSC; Presentations to other partners | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ |
| | | | | | | | | | | |
| WORKSHOPS/CONFERENCES | | | | | | | | | | |
| ECMWF Polar Prediction Workshop | █ | | | | | | | | | |
| YOPP Planning Workshops | █ | | | █ | | | | | | |
| YOPP Stakeholder Engagement Workshop | | █ | | | | | | | | |
| YOPP Synthesis Workshops | | | | | | | █ | | █ | |
| | | | | | | | | | | |
| USER APPLICATIONS AND SOCIETAL BENEFIT | | | | | | | | | | |
| Establish joint expert team involving WWRP-SERA and EC-PORS Services Task Group | █ | | | | | | | | | |
| Literature review, inventory and evaluation of current (historic) weather-related hazards/impacts, prediction services, information requirements, and user experiences in applying information in decision making | █ | █ | | | | | | | | |
| Organise social and interdisciplinary science workshop (Weather and Polar Society) to elaborate on pressing research and application gaps, issues, and needs and begin formulating a formal research framework. | | | █ | | | | | | | |
| Plan USER APPLICATIONS YOPP Activities | | █ | █ | █ | | | | | | |
| Intensive USER APPLICATION activities for YOPP | | | | █ | █ | █ | █ | | | |
| Publication of societal benefit assessment, experiences and best practices, and development of a Capacity-building initiative targeted to NMHSs and groups of users | | | | | | | | █ | █ | █ |



Summary

- The boundaries between a WP and an IP are blurred:
e.g. many elements of the existing GODAE OceanView WP
would also form part of a GODAE OceanView IP
(objectives, schedules, ...)
- BUT other elements are missing, e.g. Financial Plan
- **So, do we need an IP in addition to a WP?**
- **Should we focus on WIPs instead?**
- Who will use/read it (cost/effort vs benefit)?
 - **we need to know your opinion!**
 - **we need to know the Patron's and Review Panel's perspective**
(regarding requirements for Review)
- **Based on above, decide on the way forward (keeping in mind that extra effort and commitment would be needed to develop an IP)**

