

# **Minutes**

*(chronological)*

## **The Second DRAGONESS Annual Meeting**

**Qingdao, China**  
**8-10 Sept 2009**

### **8 Sept. 2009**

#### **9:00-9:30**

Prof. Zhai, vice president of OUC gave welcome address to the attendants to the 2<sup>nd</sup> DRAGONESS annual meeting.

Ms. Liu, deputy director, International Office of OUC, presented an overview of OUC.

Group photo

#### **9:30-12:30**

#### **Prof. Johnny Johannessen: DRAGONESS Project Overview**

- Introduced the agenda.
- Overview of the main objective and some highlights
- Overview of the status of each WP
- Year 2 reporting
  - Management Report
    - Remind 20% flat overhead to direct cost, for all types of institutions
    - Conversion rate on the date of the first day of the first month following Form C.
    - Conversion rate according to European Central Bank (ECB).
    - Dr. Dagestad: 1 Euro = 9.777 Chinese Yuan on 1 Sept 2009
    - <http://sdw.ecb.europa.eu/curConverter.do?sourceAmount=1.0&sourceCurrency=CNY&targetCurrency=EUR&inputDate=01-09-2009&submitConvert.x=0&submitConvert.y=0>

- Name and signature of authorized persons according to the contract.
  - Excel format of Form C to be sent by E-Mail and 2 signed originals together with Audit certificate to be sent by post (courier) by the end of September.
  - The cost of the audit certificate should be declared in the next year reporting.
  - Audit costs shall always be specified under Management as ***sub-contracting*** in case external audit is used, and as ***other direct costs*** in case internal audit is used.
- Activity report
    - The leader and co-leader of each WP collect the activity reports from the partners and compile the report. Each WP report should limit to 50 pages and not repeat the content in the 1st year report.
    - The deadline for the first draft 2<sup>nd</sup> Annual Report is by the end of September, with the aim to provide the refined and final version by end of October.

Dr. Chuanmin Hu mentioned about publication.

Prof. Ge Chen suggested a special issue of Journal of Sensors rather than reviewed articles.

Action: Prof. Johannessen agreed with Prof. Chen and will check this further.

A question was raised about eventual “no cost extension” of the project. Prof. Johannessen said this would probably be possible, but should not be necessary. He reminded that Dragon-Dragoness will continue until 2012.

### **Presentation of Activity Reports by WP numbers**

All presentations are available on project website:  
<http://dragoness.nersc.no>

**14:00-17:45**

## WP1

### **Prof. Zhishen Liu: Review of in-situ observing system**

- Overview of main marine Observing Station of China and Europe
- Overview of marine Buoy distribution of China and other countries
- Overview of ARGO
- Overview of Marine Survey Ship of China and Europe
- Overview of Gliders

Prof. Johannessen remarked that global surface drifter data could also be invoked into the review. A large database is available from the Coriolis project web site (<http://www.coriolis.eu.org/cdc/>).

## WP2

### **Prof. Ming-Xia HE and Chuanmin Hu: 2nd Report on Review and Utilization of Spaceborne System---Data Products of Chinese Spaceborne Ocean Observing Systems**

- Ocean Data Products of in-orbit Sensors
- Operational Retrieval Algorithms of in-orbit Sensors
  - Ocean Color
  - SST
- Operational Application of in-orbit Sensors
  - The Service System for Monitoring of Floating Green Algae
  - Operational System for Monitoring of Water Quality in Zhejiang Coastal Waters

### **Prof. Lei Guan: Evaluation of the FY and HY sensors performance for SST observations**

- Evaluation of FY-2D VISSR performance for SST observations.
- Comparison of the SST products derived from HY-1B/COCTS, NOAA/AVHRR, and Terra/MODIS

### **Prof. Tinglu Zhang: Progress of the Retrieval Algorithms for Ocean Color Measurements in China**

- Overview of the algorithms for Oceanic constituents (CHL, SPM and CDOM)
- Overview of the algorithms for IOPs
- Overview of the algorithms for  $K_d(490)$ .

Prof. Johannessen proposed to have a table in the report to summarize all the algorithms.

**Prof. Werner Alpers: Update on ESA Earth Observation Programme**

- Update on Europe's EO missions with focus on the ESA Sentinel program, and in particular Sentinel-1 and Sentinel-3 which are targeted for ocean and sea ice applications.

**9:00-12:30**

**WP3**

**Prof. Ge Chen: Review of Level of Data Integration and Information Management**

- Brief description of the work tasks
- Scientific Data Policy in China:
  - Project level
  - Institutional level
  - Agency level
  - National level
- Level of Data Integration and Sharing
  - Project Data Integration and Sharing
  - Institutional Data Integration and Sharing
  - Agency Data Integration and Sharing
  - National Data Integration and Sharing
  - Summary of Marine Data Integration and Information Management in China
- Methods for Utilizing Data in Models

Roland Doerffer commented that the work of preparing scientific datasets should become recognized the same way as publications. I.e. a "Journal of data" would be welcomed.

**Jean-Francois Piolle:**

- Challenges for an integrated system
- One single system: Introduce MyOcean project

## WP4

### **Dr. Liying Wan: Assessment of current status on the ocean and coastal information products and services in China**

- Introduction of the marine environment forecast products and service
  - The administrative infrastructure of the marine environment forecasting systems
  - Products and services
  - Difference between EU and China
- Typical Ocean and coastal information products and the difference
  - Ocean waves
  - Marine environmental parameter profile simulation and forecasting
  - Difference between EU and China

Prof. Chaofang Zhao and Dr. Helene Etienne presented parts of the content above

Dr. Wang demonstrated the Chinese TV ocean forecast show

Dr. Wan replied that NMEFC provide marine forecasts of the North Pacific region.

### **Prof. Yongqi Gao: A preoperational ocean forecasting systems for Chinese Waters**

- HYCOM results in the Chinese waters
- Compared observations and forecasts using using Ensemble optimal interpolation (EnOI) as data Assimilation scheme

Dr. Doerffer mentioned we need also to know the uncertainties of the products.

## WP5

### **Prof. Liqin Shao: The major gaps for marine monitoring capacity building between China and Europe**

- Background: introduced the difference between Europe and China through the history, economy, China marine industry, and etc.

- Identified the major gaps between China and Europe for in-situ observing systems, satellite ocean observing systems, data integration and information management, Ocean and coastal information products and services, as well as scientific research and education

Both Prof. Shao and Dr. Doerffer emphasized how to define capacity building.

Prof. Johannessen remarked in GEO, in order to have GEOSS, it must be balanced from point of views from observing capacity, data integration and production capacity and serve capacity.

**14:00-17:30**

**Dr. Roland Doerffer: Overview of ocean color in Europe**

**Group discussions of each WP**

**Summary of Group discussions:**

**WP1:**

Prof. Liu finished the Chinese part report. Prof. Johannessen summarized that detailed information on in-situ data servers in Europe would be provided, particularly Coriolis, the main source of in-situ server for Myocean. Brief summary on how to provide the data and information on how to p login and so on would be added to the report.

**WP2:**

Prof. HE summarized that the Chinese part report had been finished and Prof. Alpers agreed to add the European part to the report. Prof. HE and Prof. Alpers will finish the WP2 report together in Qingdao after the meeting.

Prof. Johannessen remarked to add a little bit more about the use of the data in the report and suggested Prof. Alpers adding short information on the right servers in Europe.

Prof. Johannessen suggested tabulating the information into a table with variables and so on.

**WP3:**

Prof. Chen finished the Chinese part of the report. Prof. Johannessen suggested European part be complemented and harmonized to the report.

**WP4:**

The report by the Chinese side was comprehensive and complete. The European contribution is incomplete. Dr. Helene Etienne will take the job.

**WP5:**

Prof. Shao finished the Chinese part of the report. Dr. Doerffer summarized the report had to be complemented and added something from the European point of view.

**Other Issues:**

**Final DRAGONESS meeting: during the period of 17-21 May 2010, China**

- In parallel with DRAGON-2 symposium in the place where DRAGON-2 symposium is held.
- In Beijing before or after ocean day of DRAGON-2 symposium, and will be held by NZC & IAP / CAS.

**Prof. Johannessen reminded again important issues related with year 2 reporting**

- Form-C must be very precise and signed by the same person as that in the contract. If the person was changed, you need a cover letter to explain it.
- The audit certificate should certify the same amount value of the cost as that declared in Form-C.
- Only 20% overhead whether you are using AC or FC.
- The expense of audit certificate can be put in management column under subcontracting as you are paying outside person to do the job.
- This year's report is for all the cost accumulated from 1<sup>st</sup> September 2008 to 31 August 2009.
- WPs' 2<sup>nd</sup> activity reports and 2<sup>nd</sup> periodic management report from partners should be finished by the end of September.

# Appendix A: Agenda

## The 2nd DRAGONESS Annual Meeting

**Venue:** Qingdao Oceanwide Elite Hotel  
**Address:** 29 Taiping Road, Qingdao, China  
**Start:** Tuesday, 8 September at 0900 (local time)  
**End:** Thursday, 10 September at 1700 (local time)

### 8 Sept. 2009

#### **9:00-9:30**

1. Welcome (President, OUC)
2. Overview of OUC (Director, International Office, OUC)

#### **9:30-12:30 (10:30-10:45 Break)**

3. DRAGONESS Project Overview (J. Johannessen)
4. Management Reporting – Status (J. Johannessen)
5. Cost reporting - Status (J. Johannessen)

#### **12:30 – 14:00**

Lunch: (Oceanwide Elite Hotel)

#### **14:00-17:00 (15:30-15:45 Break)**

6. Presentation of Activity Reports by WP numbers
  - ❖ *WP1- Review of In situ observing system*
  - ❖ *WP2- Review and utilization of spaceborne system*



**17:00-18:00**

Visit ORSI (Yushan Campus of OUC)

**18:30**

Dinner hosted by the president of OUC  
(Academic Exchange Center, OUC)

**9 Sept. 2009**

**9:00-12:30 (10:30-10:45 Break)**

Presentation of Activity Reports by WP numbers (continued)

- ❖ *WP3- Level of data integration*
- ❖ *WP4- Information production and services*
- ❖ *WP5- Capacity building*

**12:30 – 14:00**

Lunch: (Oceanwide Elite Hotel)

**14:00-17:30 (15:30-15:45 Break)**

Presentation of Activity Reports by WP numbers (continued)

- ❖ *WP6- Workshop, Summer school and Symposium*

7. Group discussions of each WP and summary
8. Other Contract Formalities
9. Any other business
10. Agree date of the final meeting being held in Beijing
11. Adjourn

**18:30**

Dinner hosted by MOST / NRSCC (Top Restaurant)

**10 Sept. 2009**

**9:00-15:00**

Excursion to Mt. Laoshan

Lunch: (Food package prepared for everyone)

Visit Laoshan Campus of OUC

**18:30**

Dinner hosted by ORSI /OUC (Qing Li Fugu)

## Appendix B: Participant list

<b>Name</b>	<b>Organisation</b>
Johnny A. Johannessen	NERSC
Knut-Frode Dagestad	NERSC
Werner Alpers	ORS
Roland Doerffer	GKSS
Bertrand Chapron	IFREMER
Jean-Francois Piolle	IFREMER
Helene Etienne	CLS
Yongqi Gao	NZC
Yan Bai	SIO / SOA
Liyang Wan	NMEFC / SOA
Keping Du	BNU
Liqing Shao	MOST
Chuanmin Hu	ORSI / OUC
Ming-Xia HE	ORSI / OUC
Zhishen Liu	ORSI / OUC
Ge Chen	ORSI / OUC
Chaofang Zhao	ORSI / OUC
Lei Guan	ORSI / OUC
Tinglu Zhang	ORSI / OUC