



## **SEVENTH FRAMEWORK PROGRAMME**

**Area 6.4.1.2. Cross-cutting research activities relevant to GEO**

**ENV.2008.4.1.2.1. Monitoring and observing oxygen depletion throughout the different Earth system components**

***Meeting program as part of Deliverable 8.4a***

***“Kick off meeting”; month 3***

***Editors: Antje Boetius & Felix Janssen, MPG-MPIMM***

Project acronym: *HYPOX*

Project full title: *In situ monitoring of oxygen depletion in hypoxic ecosystems of coastal and open seas, and land-locked water bodies*

Grant agreement no.: 226213

Date of preparation: *17. April 2009*

## HYPOX KICK-OFF-MEETING

Max-Planck-Institute for Marine Microbiology (MPI)  
Bremen, Germany



### Wednesday, 15.04.2009

12:30 Lunch at MPI

*Wednesday afternoon session I: general introduction and startup lecture*

13:30 Welcoming note

*Antje Boetius, MPG*

13:40 Introductory Note by the European Commission

*Vojko Bratina, EC, Brussels*

14:00 Startup lecture on the rationale for “hypoxia science”  
with reference to the SCOR working group 128

*Jack Middelburg, KNAW (30 min + 15 min discussion)*

14:45 HYPOX project basics, recall of structure, organization and timeline

*Felix Janssen, MPG*

15:15 Coffee break

*Wednesday afternoon session II: Introduction of partners & partner institutions*

15:45 to 17:00

Introduction of institutions, project-relevant facilities, main tasks in HYPOX,  
representatives at kickoff

> preformatted slides will be sent around and collected before meeting, and  
will be used for the project website afterwards

*partner by partner (5 minutes per partner)*

*Felix Janssen (MPG), Thomas Soltwedel (AWI), Carsten Schubert (Eawag), Sofia  
Mazlumyan / Nelli Sergeeva (IBSS), Olaf Pfannkuche (IFM-GEOMAR), Gilles  
Lericolais (Ifremer), Giuseppe Etioppe (INGV), Gregor Rehder (IOW), Namik  
Çagatay (ITU), Christoph Waldmann (Uni-HB), Henrik Stahl (SAMS), Per Hall  
(UGOT), George Papatheodorou (UPAT), Emil Stanev (GKSS), Marian-Trajan  
Gomoiu (GeoEcoMar), Jack Middelburg (KNAW)*

17:30 Beer and Pretzel break

*Wednesday evening session: Introduction to related projects*

18:00 Introduction to oxygen sensing plans in the ESONET / EMSO Network of  
Excellence (European Seas Observatory / European Multidisciplinary Seafloor  
Observation, <http://www.ifremer.fr/esonet/>), connection to and potential  
collaboration with HYPOX

*Jean-François Rolin, Ifremer (10 min)*

18:20 Introduction to HYPER (HYPOxia mitigation for Baltic Sea Ecosystem  
Restoration, [www.bonusportal.org/research\\_projects/research\\_projects/hyper/](http://www.bonusportal.org/research_projects/research_projects/hyper/)),

connection to and potential collaboration with HYPOX  
*Jacob Carstensen, University of Aarhus, Denmark (20 min)*

18:40 Introduction to European Ocean Observatory Network EuroSITES  
([www.eurosites.info/](http://www.eurosites.info/)), connection to and potential collaboration with HYPOX  
*Kate Larkin, National Oceanography Centre, Southampton, UK (20 min)*

19:00 Open discussion on potential collaborations between HYPOX and the respective  
related projects  
*chair: Felix Janssen, MPG*

19:45 Dinner Party at MPI

## Thursday, 16.04.2009

### *Thursday morning session: morning lectures and WP introduction (1)*

09:00 GEO initiative & Global Earth Observation System of Systems (GEOSS): concept and products of GEOSS, consequences and options for HYPOX  
*Christoph Waldmann, Uni-HB (30 min + 15 min discussion)*

09:30 sensor technology for long term measurements of oxygen: challenges, solutions, sensor systems  
*Anders Tengberg, UGOT (20 min + 10 min discussion)*

10:00 to 16:00 Work Package presentations: overview, link to other WPs, dates (meetings, cruises, workshops...), time-line & deliverables in month 1-12  
*(20 min + 10 min discussion per WP)*

10:00 WP1 tasks and structure  
*Giuditta Marinaro, INGV*

10:30 Coffee break

11:00 WP2 tasks and structure  
*Emil Stanev, GKSS*

11:30 WP6 tasks and structure  
*Gilles Lericolais, Ifremer*

12:00 WP7 tasks and structure  
*Henrik Stahl, SAMS*

12:30 HYPOX Group photograph

13:45 Lunch at MPI

### *Thursday afternoon session I: WP introduction (2)*

13:45 WP5 tasks and structure  
*Robert Huber, Uni-HB*

14:15 WP4 tasks and structure  
*Namik Cagatay, ITU*

14:45 WP8 tasks and structure  
*Antje Boetius, MPG*

15:15 WP3 tasks and structure  
*Jana Friedrich, AWI*

15:30 closing comments of the European Commission  
*Vojko Bratina, EC, Brussels*

15:45 Summary and discussion, structuring afternoon breakout groups  
*chair: Antje Boetius, MPG*

16:00 Coffee break

*Thursday afternoon session II: breakout groups*

16:00 breakout groups

*Coffee and drinks will be provided*

**large room**

1. (oxygen-) sensors to be used in HYPOX: microsensors, stox-sensors, oxygen optodes

*Carsten Schubert & Mathias Kirf, Eawag; Jean-François Rolin, Ifremer*

2. stationary observatories: design and implementation

*Henrik Stahl, SAMS*

3. benthic fluxes and water column distribution of gases (e.g., Methane and Nitrous oxide): plans and needs for measurements within HYPOX

*Per Hall, UGOT*

4. cross cutting activities in the Gotland Basin: plans of the different partners, joint cruises etc.

*Stefan Sommer, IFM-GEOMAR*

**small room**

1. Modeling activities in HYPOX: plans, cooperations, sharing of the work & combination of approaches, data-requirements the consortium has to be aware of

*Felix Janssen, MPG*

2. Black Sea activities in HYPOX: plans, cooperations, practical / organizational issues

*Marian-Trajan Gomoiu, GeoEcoMar*

3. investigating past hypoxia in WP4: sites, parameters to measure, methods, cruise planning

*Namik Çagatay, ITU, Nelli Sergeeva, IBSS,*

19:00 Dinner at nearby Restaurant („Haus am Walde“)

## **Friday, 17.04.2009**

### *Friday morning session: field site introductions*

09:00 to 12:40

Field site presentations:

description, potential significance of hypoxia, available data, precursory work  
(15 min + 5 min discussion per site)

09:00 Introduction to Ionian Sea Lagoons and Embayements /  
Aetoliko Lagoon, Amvrakikos Gulf, Katakolo Bay  
*George Papatheodorou, UPAT*

09:20 Introduction to Baltic Sea / Gotland Basin  
*Gregor Rehder, IOW*

09:40 Introduction to North Atlantic - Arctic Ocean transition /  
“HAUSGARTEN” station  
*Thomas Soltwedel, AWI*

10:00 Introduction to alpine lakes / Lake Lugano, Lake Zurich, Lake Rotsee  
*Carsten Schubert & Mathias Kirf, Eawag*

10:20 *Coffee break*

11:25 introduction to Fjord systems / Koljö Fjord  
*Per Hall, UGOT*

11:40 Loch Etive  
*Henrik Stahl, SAMS*

12:00 Introduction to the Black Sea / Bosporus  
*Namik Cagatay, ITU and Gaute Lavik, MPG*

12:55 Romanian Shelf  
*Marian-Trajan Gomoiu, GeoEcoMar*

12:20 Crimea  
*Sofia Mazlumyan / Nelli Sergeeva (IBSS)*

12:40 kickoff wrap-up: general discussion on the HYPOX plans and tasks  
(maybe launching of afternoon topical groups)  
*chairs: Antje Boetius, MPG and Christoph Waldmann, Uni-HB*

13:30 *Lunch at MPI*

*End of the plenary part of the meeting*

After lunch: Friday afternoon topical meetings if needed

*Coffee and drinks will be provided*

19:30 *Dinner downtown Bremen for people traveling on Saturday,  
table will be reserved at some restaurant on short notice during the meeting*