



Project contract no. 036851

ESONET

European Seas Observatory Network

Instrument: **Network of Excellence (NoE)**

Thematic Priority: **1.1.6.3 – Climate Change and Ecosystems**

Sub Priority: **III – Global Change and Ecosystems**

**Project Deliverable D4
REPORT ON FIRST EDUCATIONAL AND TRAINING WORKSHOPS**

Due date of deliverable: Month 12
Actual submission date: Month 12

Start date of project: **March 2007**

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Organisation name of lead contractor for this deliverable: **KDM**

Lead author for this deliverable: **Laurenz THOMSEN**

Revision [draft 1]

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

The first educational and training workshop was held from 27th to 28th January 2007 at Jacobs University Bremen, where some 18 ESONET students and 12 ESONET lecturers participated.

The following table shows the workshop agenda:

Schedule		
TIME	January 27 Background info	Monday, January 28 How to...
0900-1000	Welcome & Introduction L. THOMSEN (Jacobs Uni)	How to plan an experiment I Science (discussion)
1000-1045	Brunch	How to plan an experiment II Engineering (discussion) J.F.ROLIN
1045-1115	History of ESONET From ALIPOR to EMSO L. Thomsen	Break
1115-1200	Introduction to observatories Engineering, the Esonet case and comparison with other observatories Y. AUFFRET (IFREMER)	ROV operations System design N. NOWALD (MARUM)
1200-1315	Introduction to ESONET science: Addressing the major science and technology challenges J. F. ROLIN, I. PULLAT (IFREMER)	ROV operations Getting it out in the field P. SIMEONI (IFREMER)
1315-1345	Coffee break	Lunch
1345-1430	EU Deep waters Science background L. THOMSEN, (Jacobs Uni)	How to retrieve (online)-data Whom to contact and what to do (discussion) NN. AWI
1430-1515	EU Deep waters Science background (Miranda, Geophysics)	Data visualization tools A. SCHAEFER (Jacobs Uni)
1515-1530	Break	Break
1530-1615	<i>Challenges in science and technology at the LOOM Demo sites- Dirk de Beer</i>	"Working with real-time oceanographic data" B. PIRENNE (NEPTUNE CANADA)
1615-1700	<i>At the MOMAR site Miranda</i>	Poster evaluation
1700-1745	<i>At the LIDO site Juanjo Danobeitia</i>	Poster evaluation
1745-1815 Or -1830	<i>At the MARMARA site Namik Hazell</i>	Poster award
	Poster/Pizza Party	Workshop DINNER

The 2-day Training Workshop provided ESONET postgraduates and engineers with a sound background knowledge of the key science and technology areas relevant to ESONET, presented by experts in the field. Topics included the study sites, standard technologies. Also included are practical workshops on planning online experiments and data management. Students and engineers attending the workshop prepared a poster outlining their planned or ongoing research and development projects. The workshop was an excellent opportunity to get to know each other, and start a coherent young researchers and engineers group. The course was free for all ESONET members i.e. full accommodation was provided free of charge by ESONET. The whole coordination team of Esonet actively participated in this workshop. An evaluation form was sent to all participants.

The detailed outcome will be published on the website. Table 2 shows, that the workshop was well appreciated.

Esonet training workshop evaluation. Results are given in percent [%]

	Excellent	Very good	good	fair	poor	very poor
The course as a whole		75	25			
The course content	12	25	63			
The instructor's contribution to the course	50	38	12			
The instructor's effectiveness in teaching the subject matter	12	62	26			
Course organization	12	50	38			
Sequential presentation of concepts	12	25	63			
Explanations by instructors	50	25	25			
Instructor's ability to present alternative explanations when needed	12	50	38			
Instructor's use of examples and illustrations	12	62	26			
Instructor's enhancement of participant interest in the material		50	50			
Participant confidence in instructor's knowledge	12	50	38			
Instructor's enthusiasm	25	50	25			
Clarity of course objectives	12	25	63			
Interest level of class sessions		38	62			
Availability of extra help when needed	12	25	63			
Use of class time	12	25	63			
Instructor's interest in whether participants learned	12	50	26	12		
Amount you learned in the course		26	62	12		
Relevance and usefulness of course content		38	62			
Evaluative and grading techniques (test, papers, projects, etc.)			100			
Reasonableness of assigned work			100			
Clarity of participant responsibilities and requirements			100			
Accommodation			75	13	12	
Food		12	75	13		
Comments	more practical work next time					