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MarBEF



Marine Biodiversity and Ecosystem Functioning

EU Network of Excellence

Sustainable development, global change and ecosystems

D-7-CSP-4.2 Report on training course “Validation methodologies”, Algave

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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)	

**Training Course on Valuation Methodologies for Marine
Environments, 11th -14th of April 2007, Faro, Portugal
REPORT**

SUMMARY

The training course on Valuation Methodologies for Marine Environments (Faro 11th - 14th April 2007) involved 33 students and 10 lecturers. The program included some time to introduce the MARbef project on socio-economic approach to the marine environment, and included lectures on economic, ecological and socio-cultural valuation of the marine environment, on decision support systems for marine environmental policies and on regulatory policies for the marine environment. The appraisal by the students revealed a general contentment with the course because it was possible to promote cross-disciplinary communication amongst the students, students and lecturers and across the MarBEF. The discontent was mainly related to the splitting of lectures between the different valuation approaches. It is an activity that should be repeated in the following years.



Figure 1: Training Course on Valuation Methodologies for the Marine Environment in Sagres

INTRODUCTION

This is the report of the training course on Valuation Methodologies for Marine Environments that took place in Faro from the 11th till the 14th of April 2007. The Training Course was organized by the Department of Oceanography and Fisheries of

the University of the Azores with the strong support by the Faculty of Water and Marine Sciences of University of the Algarve.

Furthermore many other institutions contributed with lecturing: Plymouth Marine Laboratory, University of Roskilde, University of Wageningen, University of Ghent, University of Gdansk, University of Hull, University of the Algarve and University of the Azores

The operational target of the course was to prepare the students to collect and treat the data from the six case studies proposed in Theme 3 RMP. The long term objective of the course is to answer the growing demand for interdisciplinary valuation experts related to marine environments.

The training course involved 32 students from many different countries and 10 lecturers from most of the institutions that participate in Marbef. Theme 3.

This report includes a description of the training course (Part I), an appraisal of the results (Part II) and a discrimination of the financial costs and benefits (Part III).

I PART: DESCRIPTION OF THE TRAINING COURSE

VENUE

The University of Algarve helped not only in the organization of the field trip but also in facilitating the access to classrooms, computer rooms, internet facilities, fotocopy services, restaurant booking and also in the mobilization of the transport from the hotel to the university.

Students were accommodated close to the sea, 6 Km from Algarve University and 2 Km from the Airport, in Hotel Aeromar. Lecturers were accommodated in Hotel Mónaco, Montenegro, 2 Km from the Airport, 4 Km from the sea, and 2 Km from Algarve University.



SCHEDULE OF THE TRAINING COURSE

	Modules	Day	Hour	Lecturers	Lessons	
Plenary Lessons	Day 1					
		11-4	14.00	Melanie Austen	Introduction to the Project	
			15.00	Anne Marboe	Sylt and Romo	
			15.30	Tomasz Zarzycki	Gulf of Gdansk	
			16.00	Melanie Austen	Scilly Islands	
			16.30	Sofie Deraus	Belgium and Netherlands	
	17.00	Adriana Ressurreição	Pico – Faial			
Parallel Lessons	Day 2					
	Approaches to Environmental Valuations	12-4	9.00	Sofie Deraus	Introduction to the concept of marine ecological valuation	
			10.30	Tomaz Dentinho	Introduction to economic valuation	
			12.00	Alyne Delaney	Introduction to socio-cultural valuation	
	Ecological Valuation		15.00	Sofie Deraus	Concept of ecological valuation	
			15.30		A protocol for ecological valuation	
16.00			Belgian case study			
Economic Valuation	15.00	Michael Kaiser Tomaz Dentinho Nicky Beaumont Fernando Perna Adriana Ressurreição	Design of Marine Protected Areas			
	16.00		Direct Valuation Methods			
	17.00		Indirect Valuation Methods			
18.00	Contingent Valuation Case					
Socio cultural Valuation	15.00	Alyne Delaney	Methods for socio-cultural valuation			
	19.30					
Parallel Lessons	Day 3					
	Ecological Valuation	13-4	9.00	Sofie Deraus	Results Exercise Discussion	
			10h30		Break	
			11h00		Develop a working plan for each case study	
	Economic Valuation		9:00	Tomaz Dentinho and Adriana Ressurreição	Data treatment from Direct and CVM methodologies applied to Case Study Areas.	
			10.00			
13.00						
Socio cultural Valuation	9.00	Alyne Delaney	Socio-cultural valuation in marine areas			
	13.00					
Plenary Lessons	Decision Support Systems	15.00	Michael Kaiser	Quantitative analyses of questionnaire data.		
		16.00	Ekko Ierland	DSS for marine environments		
		18.00	Ekko Ierland	DSS for marine environments		
	Day 4					
Plenary Lessons	Environmental Policies	14-4	10:00	Elizabeth Bayer	Introduction to Environmental Law	
			11:00	Elizabeth Bayer	Processes of Environmental Policies	
	Environmental Policies in Practice		13.30	Luis Fonseca	Excursion to Alvor, Sagres and Lagos.	
	23.30					

Table 1: Schedule of the Training Course

STUDENTS ATTENDANCE AND ADDRESSES

	<i>Name</i>	<i>Country</i>	<i>Mail</i>	*
1	Adelaide Costa	Portugal	acf_costa@alunos.angra.uac.pt	100%
2	Adriana Ressurreição	Portugal	belugaressu@hotmail.com	100%
3	Alexandra Cunha	Portugal	acunha@ualg.pt	71%
4	André Afonso	Portugal	afonso.andre@gmail.com	86%
5	Anne Husum Marboe	Denmark	marboe@ruc.dk	71%
6	Annie Claus	USA	annieclaus@gmail.com	86%
7	Bárbara Costa	Portugal	barbarahcosta@gmail.com	71%
8	Camilla Friseid	Norway	camlocfri@student.matnat.mio.no	100%
9	Cátia Matias	Portugal	katiaipmatias@hotmail.com	86%
10	Charlotte Bentley	UK	osp44a@bangor.ac.uk	100%
11	Christina Garoufalia	UK	chgaroufalia@gmail.com	100%
12	Clare Davis	UK	clare.davis@postgrad.plymouth.ac.uk	100%
13	David Meek	USA	david_meek@antiochne.edu	100%
14	Diana Vieira	Portugal	diana_vieira@portugalmail.pt	100%
15	Diogo Tavares	Portugal	diogomrtavares@gmail.com	100%
16	Elizabeth Bayer	UK	e.bayer@2005.hull.ac.uk	71%
17	Fausto Pizzolante	Italy	fausto.pizzolante@unile.it	100%
18	Humberta Silva	Portugal	sslhumberta@hotmail.com	100%
29	Ilona Kaminska	Poland	illonka@wp.pl	86%
20	Janet Alice Fisher	UK	janet.fisher@uea.ac.uk	86%
21	Jannike Falk-Petersen	Norway	jannikefa@hotmail.com	100%
22	Joanna Piwowarczyk	Poland	joanna_p@iopan.gda.pl	100%
23	Katarzyna Regina Karwowska	Poland	kasiakar00@o2.pl	86%
24	Kevin Ramson	UK	kevin.ransom@postgrad.plymouth.ac.uk	100%
25	Maarten Punt	Netherlands	Maarten.Punt@wur.nl	100%
26	Maria Salomidi	Greece	msal@ath.hcmr.gr	100%
27	Marina Tamagnini Mendes	Portugal	marinatmendes@gmail.com	71%
28	Mark Sherit	UK	M.Sherit@hull.ac.uk	86%
29	Meredith Ann Marchioni	USA	marchioni56@msn.com	86%
30	Nardine Loeser	Germany	nardine.loeser@io-warnemuende.de	100%
31	Sarah Vanden Eede	Belgium	gonim84ve@hotmail.com	100%
32	Thiago Mello Rego	Portugal	thiagorego@hotmail.com	100%
33	Tomasz Zarzycki	Poland	tomasz@ocean.univ.gda.pl	100%

*Some of the students could not attend classes in the last day due to scheduled flights

Table 2: Schedule of the Training Course

II PART: EVALUATION OF THE TRAINING COURSE

RELATED TO THE OBJECTIVES

In the last day the students were asked to appraise the degree of accomplishment of the various objectives of the training course ranking the achievement from 1 to 5.

From Table 3 it is clear that there was a good environment for cross-disciplinary communication amongst the students, lecturers and across Marbef community (D) and, for most of the students the course provided a good opportunity for cross disciplinary training, research and outreach (A) and was good to stimulate discussions among various end users (E). Although fairly positive some students do not fill much connected with Theme 3 of Marbef (B) and it would be possible to do more to stimulate the creation of interdisciplinary teams (C).

Training course input	1	2	3	4	5	median
A - Provide an opportunity for cross disciplinary joint training, research and outreach.	0	2	2	9	12	4
B - Enable students to collect and analyse data that could support Theme 3 research. Data will be made available in MarBEF databases.	1	0	8	12	4	4
C - Stimulate the creation of teams with the right mix of skills, expertise and resources to undertake interdisciplinary research on marine ecosystems.	0	1	3	11	10	4
D - Promote cross-disciplinary communication amongst the students, students and lecturers, across the MarBEF community.	0	0	4	6	15	5
E - Stimulate discussions among various end users	0	1	4	8	12	4

Table 3: Appraisal regarding the objectives of the training course

GOOD AND BAD THINGS

The list of good things and bad ones that occur during the training course allow a better interpretation of its results (Table 4 and 5).

Good things
<ul style="list-style-type: none"> ▪ Interdisciplinary course; ▪ Open our minds and perspectives of what can be done in science to complete or try to the broader panoramic. ▪ Presence of some experts ▪ Chance to know and meet who's working on the several areas of research ▪ The timetable (in general) ▪ The fact the only one valuation was possible to assist gone us a better understanding of the protocol. ▪ Nice to get to know new people, making contacts for future work. ▪ Great selection of lecturers, cross disciplinary participants and great facilities. ▪ The course in general was very interesting and at a nice location. Most of the lectures were clear even when one did not have too much background in the various sciences. It was a good opportunity to get acquainted with other students and disciplines. ▪ Turns possible to learn economics, ecologies and anthropologies models technique to valuate the marine environment. ▪ Excellent organization and logistic. ▪ It should be interesting that the MarBEF community stays in touch and do another workshop to see if the results obtained were the expected. But the Masters students should have funding from the MarBEF too, and the fact we live far away and have closest touch. ▪ MarBEF is an excellent way to meet people with different backgrounds, to cooperate and communicate. I certainly met a lot of people and exchanged ideas, opinions and views. I hope MarBEF will reach its objectives and I hope I will keep on contributing to that. ▪ Great opportunity to meet researchers working across disciplines and get to know of tools for conducting cross disciplinary research. ▪ Tremendously well organised course. I found the interactions various ecologists and economist very useful, the emphasis on interdisciplinary training was maintained throughout. There was ample opportunity to discuss different case studies and methodologies. I would strongly recommend this course for those with relevant research interests. ▪ Good organization and hospitality. ▪ Everything else was great, wonderful training. ▪ Allowed me to network and meet people working in similar areas or on similar projects. Helped significantly in my understanding of MarBEF and will aid in my overall contribution. Everything was great. ▪ Very well organized, with the participation of good and active professionals. ▪ Interesting subjects, hospitality, and food! ▪ Inter-disciplinarily, interesting topics and examples. ▪ I felt gained a good overview of where the results of my work will go and the influence it will have. This is important in focussing on projects / case studies. ▪ Very good organization of the training course. Gathering together people

Table 4: List of good things in the Training Course

Bad things
<ul style="list-style-type: none"> ▪ Parallel sessions; ▪ Maybe greater organisation prior to the course to show exactly when and where to meet, if possible option to come out both the economic and ecological valuation. ▪ The only problem I address is the fact that the short time was unable to give all valuations to the students. It is a logistic factor but made me feel incomplete in my learning process. ▪ The length of the course should have been extended so that all could have been in all three groups, to get a better idea of how they work in other disciplines. ▪ Some background or basic papers could have been provided up fore hard. This might have made some of the lectures easier. It would also have been put in, to get acquainted to the people around you in cotter breaks and dinners. ▪ Master's students should be more support by MarBEF institute, in terms economics aspects. ▪ In the future the basic organisation should be improved. I did not know what else would happen after my plane landed in Faro, so it is a point to consider the next time. ▪ Would have liked to participate more of the parallel sessions. Computer exercise on economic evaluation a bit confusing. ▪ Too little time for much information. ▪ Data treatment could be better organized in order to prevent unnecessary repetitions and routines. ▪ It would be great if there was the opportunity to deal with more than one approach at the lab. ▪ Poor information available before coming to the course. ▪ Have slightly more time to interact socially. ▪ Not enough time for the methodology part. ▪ A slight organizational problem.

Table 5: List of bad things in the Training Course

In the field trip, a group of students composed a song. They call it the MarBEF Anthem. (Table 6).

<i>The MarBEF Anthem</i>
<p>We love the ocean The pretty ocean We want to know how much it's worth We are called MarBEF We are all tone deaf Don't you love our pretty song?</p> <p>We went to Faro To the Uni We sat in lectures all day long We learnt stuff Then we drank wine Then we wrote this pretty song</p> <p>We have a mission To save the ocean Using the skills we've learnt Don't try the stop us We are amazing Hear this song and you can tell</p>

Table 6: The Marbef Anthem

III PART: FINANCIAL COSTS AND BENEFITS

FINANCIAL COSTS AND BENEFITS

Designation	Explanation	Euros
Earnings		
Fees paid	28 students x 90 €	2520,0 €
Fees to be paid	5 students x 90 €	450,0 €
<i>Financial Support from MarBEF</i>		5000,0 €
Total Earnings		7970,0 €
Expenditures		
Students accommodation	103 nights x 22 €	2266,0 €
Meals	245 meals	2452,0 €
Pedagogical material		265,1 €
Renting of a Van		445,0 €
Gasoline, motorways and taxi		187,3 €
Payment for the staff that supported the organization		1090,0 €
Payment to the University of Algarve for the bus and classrooms		850,0 €
One flight Terceira-Lisbon-Terceira		241,9 €
Overheads due to late payments to Azores University		144,0 €
Total Expenditures		7941,3 €
Difference		28,7 €