

# ADRICOSM - STAR Second Year Annual Meeting

*Kotor, 2-4 February 2009*

## AGENDA



Ministry for the  
Environment, Land, and Sea

## **MEETING PLACE**

*Institute of Marine Biology of Montenegro  
Dobrota bb, POB 69  
85330 Kotor,  
Republic of Montenegro*

## **OBJECTIVES OF THE MEETING**

- Give an overview of the work carried out by each partner during the second year of the Project;
- Presentation and discussion about the work of the third year;
- Outline the problems encountered during the second year, if any.

## **First day: Monday, 2 of February**

**9:00**            **PEOPLE MEET**

**9:20 – 9:25**     **Welcome by Montenegro Ministry of Environment representative**  
*Jelena Knezevic (Montenegrin Ministry of Tourism and Environmental Protection)*

**9:25 – 9:30**     **Welcome by the Italian Ministry for the Environment, Land, and Sea representative**  
*Monica Bonfanti (Italian Ministry for the Environment, Land, and Sea)*

**9:30 – 10:00**   **Introduction to the Project**  
*Nadia Pinardi (INGV)*

### **WP1: ASSESSMENT OF ENVIRONMENTAL QUALITY IN THE AREA OF INTEREST**

**10:00 – 10:15**   **Task 1.3: Data quality control and analysis of historical data**  
*Nadia Pinardi (INGV)*

### **WP2: DATA COLLECTION PROGRAM FOR MODEL CALIBRATION/VALIDATION AND MONITORING**

**10:15 – 10:45**   **Tasks 2.1 and 2.4: New instruments procurement and new measurements**  
*Radivoje Vuckovic, Mirjana Ivanov (HI-M)*

**10:45 – 11:00**        **Coffee Break**

**11:00 – 11:30**   **Task 2.2: Bathymetric surveys**  
*Mariangela Ravaioli, Federico Giglio, Giovanni Bortoluzzi, Luca Gasperini (CNR-ISMAR-BO)*

**11:30 – 12:00**   **Task 2.3: Oceanographic high resolution coastal area surveys (work done in year 2)**  
*Zoran Kljajic(IMB), Federica Grilli (CNR-ISMAR-AN)*

**12:00 - 12:15**   **SEMINAR: Determination of heavy metals in Marine sediment by XRF method in the Montenegrin coastal zone and South of Adriatic**  
*Ana Bulatovic (IBM)*

**12:15 – 12:45**   **Task 2.5 and 2.6: Surface Water and Urban Surveys: flow rates and water quality,**  
*Ana Misurovic (CETI)*

- 12:45 – 13:15**    **Task 2.7: Upgrade of ADRICOSM satellite data, and Ocean Color data analysis for the Montenegro Adriatic coasts**  
*Francesco Bignami (CNR-ISAC) and Salvatore Marullo (ENEA)*
- 13:15 – 14:30**            **Lunch**
- 14:30 – 15:00**    **S2.8.1: Development of T-Flap for VOS**  
*Marco Marcelli (UNITUS)*
- 15:00 – 15:15**    **S2.8.2: Implementation of VOS upgrades**  
*Vanessa Cardin (OGS)*
- 15:15 – 15:45**    **Open Discussion on WP 2**  
*Discussion Leader Zoran Kljajic(IMB)*

### **WP3: DESIGN AND IMPLEMENTATION OF IN SITU AND SATELLITE MONITORING SYSTEM**

- 15:45 – 16:15**    **T3.1: Meteorological/hydrological monitoring**  
*Radivoje Vuckovic (HI-M)*
- 16:15 – 16:30**    **Coffe break**
- 16:30 – 17:00**    **T3.2: Oceanographic monitoring network (work to be done in year 3)**  
*Zoran Kljajic (IMB)*
- 17:00 – 17:30**    **T3.3: River flow and water quality monitoring protocols and real time acquisition (work to be done in year 3)**  
*Ana Misurovic (CETI)*
- 17:30 – 17:45**    **T3.4: Urban flow monitoring protocols**  
*Alessandro Bettin (SGI)*
- 17:45 - 18:15**    **Task 3.5: Continuation of the real time satellite data delivery**  
*Cristina Tronconi (CNR-ISAC)*

## **Second day: Tuesday, 3 of February**

**At 8:00** we meet at the Institute of Marine Biology and go all together to Bar to visit HIM training center. The rest of the meeting for the second day will be held in Bar.

- 9:30 – 10:15**    **Visit at the HI-M training centre in Bar**
- 10:15 – 10:45**    **Task 3.6: Continuation of VOS program**  
*Vanessa Cardin (OGS)*

- 10:45 – 11:00** *Phytoplankton biodiversity in Montenegrin coastal area: preliminary results of May 2008 and June 2008 cruises*  
Marina Cabrini (OGS)
- 11:00 – 11:15** **Coffee Break**
- 11:15 – 11:45** **Open Discussion on WP 3**  
Discussion Leader: Radivoje Vuckovic, Mirjana Ivanov (HI-M)
- WP4: CALIBRATION/VALIDATION OF HYDROLOGICAL, RIVER BASIN AND OCEANOGRAPHIC NUMERICAL MODELS**
- 11:45 – 12:25** **S4.1.2: Atmospheric data assimilation in NMM and Local Analysis and Prediction System demonstration**  
Tomislava Vukicevic (University of Boulder)
- 12:25 – 13:00** **S4.1.4, S4.1.5, S4.1.6: Analysis of the NMM land parameters; HNPM water cycle case studies, Validation and calibration of the HNPM (work to be done in year 3)**  
Goran Pejanovic (SEWA)
- 13:00 – 14:00** **Lunch**
- 14:00 – 14:30** **Task 4.2: Wave modelling**  
Francesco Lalli (APAT)
- 14:30 – 14:50** **Task 4.3: River modelling – flow, water quality and sediment transport (work done in year 2)**  
Andrea Scarinci (SGI)
- 14:50 – 15:10** **Task 4.4 : Urban sewer: flow and quality modelling**  
Alessandro Bettin (SGI)
- 15:10 – 15:40** **Subtask 4.5.1: Upgrade of AREG model**  
Antonio Guarnieri (INGV)
- 15:40 - 16:10** **Subtasks 4.5.2 and 4.5.3: Northern and Southern Bojana coastal strip model**  
Debora Bellafiore (CNR Venezia)
- 16:10 – 16:25** **Coffee Break**
- 16:25 – 16:45** **Subtask 4.5.4: Bokakotorska Bay model**  
Alessandro Bettin (SGI)
- 16:45 – 17:00** **The use of Fuzzy Modeling for Sea Protection from oil spill in the Bokakotorska Bay**  
Mrs. Olivera Doklestic (VODACOM)

**17:00 – 17:15**    **The ADRICOSM-AQMOD Component**  
*Ana Misurovic (CETI)*

**17:15 – 17:45**    **Open Discussion on WP 4**  
*Discussion Leader Nadia Pinardi (INGV)*

## **WP5: INTEGRATED MODELING OF HYDROLOGY, RIVER BASIN AND COASTAL CIRCULATION**

**17:45 – 18:15**    **Tasks 5.1, 5.3.1, 5.4: Hydro-meteorological and river basin coupler (HMRB-Coupler), Coupling of river flow with coastal strip model, Coupling of urban sewage with coastal strip models**  
*Alessandro Bettin (SGI)*

**18:15**            **Journey back to Kotor**

**21:00 - .....: Social Dinner**

## **Third day: Wednesday, 4 of February**

**9:00 – 9:20**        **Tasks 5.2 and 5.3.2: Coupling between WAVE, CURRENT and SEDIMENT models - WACUSE model, and Coupling of river basin sediment inputs with coastal models (work to be done in year 3)**  
*Antonio Guarnieri (INGV)*

**9:20 - 9:40**        **Subtasks 5.3.3 and 6.4: Coupling of river basin nutrient/organic inputs with coastal models and Coastal sediment and contaminant dispersal under IPCC climate scenarios (work to be done in year 3)**  
*Pinardi Nadia (INGV)*

**9:40 – 10:10**    **Open Discussion on WP 5**  
*Discussion Leader: Alessandro Bettin (SGI)*

**10:10 – 10:25**    **Task 7.4: Delayed mode quality control protocols**  
*Alessandro Altenburger (OGS)*

## **WP6: SCENARIO EXPERIMENTS FOR LONG TERM PLANNING**

**10:25 – 10:55**    **Task 6.1: Downscaling of atmospheric IPCC climate scenarios**  
*Vladimir Djurdjevic (UB)*

**10:55 – 11:10**    **Coffee Break**

- 11:10 – 11:30**    **Task 6.2: Bojana river scenarios for the next decades (work done in year 2 and to be done in year 3)**  
*Alessandro Bettin (SGI)*
- 11:30 – 11:50**    **Task 6.3: Hydraulic and water quality performance of the urban and river system under climate change scenarios (work to be done in year 3)**  
*Andrea Scarinci (SGI)*
- 11:50 – 12:20**    **Open Discussion on WP 6**  
*Discussion Leader: Nadia Pinaridi (INGV)*
- 12:20 – 12:40**    **Monitoring Strategy of Med Pol in Montenegro**  
*Mauro Marini (ISMAR-BO), Mariangela Ravaioli (ISMAR-BO), Jelena Knezevic Ministry Of Environment of Montenegro)*
- 12:40 – 13:10**    **The Hypad.com activities done in year 2 as integration of Adricosm-Star**  
*Rosa Cavalli (CNR-IIA-LARA)*
- 13:10 – 14:30**        **Lunch**

#### **WP7: INFORMATION MANAGEMENT SYSTEM FOR THE ADRICOSM-STAR DATA**

- 14:30 – 15:00**    **Tasks 7.5, 7.6, 7.7: Web based catalog and data discovery service (work done in year 2), Web based downloading service, Products viewing service**  
*Salvatore Marullo (ENEA)*
- 15:00 – 15:30**    **Open Discussion on WP 7**  
*Discussion Leader: Salvatore Marullo (ENEA) and Claudia Cesarini (CLU)*
- 15:30 – 16:00**    **Tasks 8.3, 8.4, and 8.5: Web pages for project management, Implementation and maintenance of Project Web pages, Materials for results dissemination**  
*Claudia Cesarini (CLU)*
- 16:00 – 16:15**    **Coffee Break**
- 16:15 – 17:30**    **Consensus on Actions and Final Synthesis**
- 17:30**                **END OF THE MEETING**