All the way from image acquisition to habitat mapping
MONDAY 20/06/2011

08.30 REGISTRATION
09.00 WELCOMING SPEECH
09.40 INTRODUCTION TO MESH ATLANTIC AND WORKSHOP GOALS (JACQUES POPULUS)

10.00 SESSION 1 – VIDEO SURVEYING TECHNIQUES (CHAIRMAN: JORGE GONÇALVES)

10.00 METHODS AND STANDARDS FOR VISUAL SURVEYS OF THE SEABED AND ITS FAUNA IN NORWAY (PÅL BUHL-MORTENSEN & L. BUHL-MORTENSEN)

11.00 COFFEE (BREAKOUT)

11.30 SESSION 1 – VIDEO SURVEYING TECHNIQUES (CHAIRMAN: FERGAL MCGRATH)

12.00 A NEW PHOTOGRAMMETRIC AND QUANTITATIVE METHOD FOR THE STUDY OF BENTHIC HABITATS AND BIOLOGICAL COMMUNITIES OF THE DEEP SEA (FRANCISCO SÁNCHEZ & A. GARCÍA-ALEGRE)

12.30 LUNCH

14.00 SESSION 2 – VIDEO ACQUISITION AND PROCESSING (CASE STUDIES) (CHAIRMAN: ROSA FREITAS)

14.00 MAPPING OF MEGAFUINA DENSITIES AND DISTRIBUTION IN THE HAAKON MOSBY MUD VOLCANO (HMNV) CALDERA (ELENA GOROSLAVSKAYA)


15.00 BIODIVERSITY AND DISTRIBUTION OF FAUNAL ASSEMBLAGES: THE POLYMETALLIC NODULE ECOSYSTEM OF THE EASTERN EQUATORIAL PACIFIC OCEAN (VIRGINIE TILLOT)

15.30 COMBINED IMAGE TECHNIQUES TO ESTIMATE CaCO\textsubscript{3} PRODUCTION BY BRAZILIAN RHODOLITH BEDS (GUIRHERME H. PEREIRA-FILHO, R. FRANCINI-FILHO, R. L. De MOURA, A. C. BASTOS, A. Z. GUTH, P. Y. SUMIDA & G. M. AMADO-FILHO)

16.00 COFFEE (BREAKOUT)

16.30 SESSION 2 – VIDEO ACQUISITION AND PROCESSING (CASE STUDIES) (CHAIRMAN: VICTOR HENRIQUES)

16.30 A PROPOSED METHODOLOGY TO ESTIMATE NEPHROPS BURROW DENSITY IN DEEPWATER GROUNDS FROM VIDEO ANALYSIS (PAULO FONSECA, A. CAMPOS, V. HENRIQUES, P. L. CORREIA & P. YEE LAI)

17.00 DETECTION, MEASUREMENT AND RECOGNITION OF FISH SPECIES UNDERWATER (YURI, RZHANOV, G. CUTTER, J. MATA & R. KASTNER)

17.30 END
18.00-19.30 MESHATLANTIC HAPPY HOUR

TUESDAY 21/06/2011

09.00 SESSION 3 – VIDEO ANNOTATION (CHAIRMAN: JACQUES POPULUS)

09.00 METHODOLOGY OF ANNOTATING VIDEOS AND STILL IMAGES AND DEVELOPMENT OF THE SOFTWARE COVER (INGE VAN DEN BELD, B. GUILLAUMONT, C. CARRÉ, L. BEUCK & J. DAVIES)

10.00 PRACTICALITIES OF IMPLEMENTING VIDEO ANNOTATION (JOSÉ N. PEREIRA & F. TEMPERA)

11.00 COFFEE (BREAKOUT)

11.30 SESSION 4 – STATISTICAL MODELLING AND TIME SERIES (CHAIRMAN: FERNANDO TEMPERA)

11.30 MODELLING BENTHIC BIOTOPES: FROM FIELD SURVEYS TO RELIABLE MAPS (GENOVEVA GONZALEZ MIRELIS)

12.30 TIME SERIES STUDIES OF ECOSYSTEM PROCESSES AT SEAFLOOR OBSERVATORIES (KATELEEN ROBERTS, KIM JUNIPER, M. MATABOS, C. DEAN & V. TUNNICLIFFE)

13.00 LUNCH

14.00 SESSION 5 – PRACTICING (CASE STUDIES) (CHAIRMAN: IBON GALPÁRSORO)

14.00 ANALYSING VIDEOS AND STILL IMAGES OF VULNERABLE MARINE ECOSYSTEMS IN THE DEEP-SEA: A PRACTICAL APPLICATION USING COVER (INGE VAN DEN BELD, B. GUILLAUMONT, C. CARRÉ & J. DAVIES)

14.30 IDENTIFICATION OF INVERTEBRATES FROM UNDERWATER PHOTOGRAPHS AND VIDEO: HOW FAR CAN WE GO? (SERGE GOFAS, C. SALAS & J.E. GARCÍA-RASO)

15.00 Cabled Observatories Video-Imaging for the Study of Behavioural Rhythms in Deep-Sea Species (JACOPO AGUZZI, J.B. COMPANY, C. COSTA & P. MENESETTI)

15.30 FIRST OBSERVATIONS OF MORIBUND JELLYFISH AT THE SEAFLOOR IN A DEEP-SEA FJORD (ANDREW K. SWEETMAN)

16.00 COFFEE (BREAKOUT)

16.30 SESSION 6 – HABITAT MAPPING (CASE STUDIES) (CHAIRMAN: JORGE GONÇALVES)

16.30 IMAGE MOSAICING FOR THE MULTIPLE COUNTING PROBLEM IN BENTHIC HABITAT MAPPING (HAMED BAGHERI, A. YARD & R. BACHMAYER)

17.00 THE FP7 CORALFISH PROJECT: PROMOTING STANDARDISED APPROACHES TO HABITAT MAPPING AND CLASSIFICATION IN THE DEEP-SEA (ANTHONY GREHAN AND THE CORALFISH CONSORTIUM)

17.30 MULTI-SCALE MAPPING OF COLD-WATER CORAL HABITATS ON THE IONIAN MARGIN (MEDITERRANEAN SEA) (ALESSANDRA SAVINI, A. VERTINO, B. LOUBRIEU, F. MARCHESI, C. CORSHELL, A. FREIWALD, J. SARAZIN & M. TAVIANI)

18.00 END

WEDNESDAY 22/06/2011

09.00 SESSION 7 – DISCUSSION (MODERATOR: FERGAL MCGRATH)

09.00 PROS AND CONS OF METHODS USED FOR VISUAL MAPPING AND RESULTS FROM MEGAFUINA MAPPING BY MAREANO (LENE BUHL-MORTENSEN & P. BUHL-MORTENSEN)

09.30 RECOMMENDED OPERATIONAL GUIDELINES (ROGS)/STANDARDS (FERNANDO TEMPERA)

11.00 COFFEE (BREAKOUT)

11.30 SESSION 4 – DISCUSSION (MODERATORS PÅL BUHL-MORTENSEN, FERNANDO TEMPERA AND JACQUES POPULUS)

12.45 CLOSING SESSION

13.00 END