



MANAGEMENT AND SUSTAINABLE DEVELOPMENT
OF PROTECTED TRANSITIONAL WATERS



PARTNERSHIPS:

TWReference-NET Project Final Meeting

Lecce, November 30th-December 2nd, 2006

Draft Agenda

Hotel Tiziano e dei Congressi, LECCE

University of Lecce
Regione Puglia
Provincia di Lecce
Consorzio di Gestione
di Torre Guaceto
University of Bologna
University of Trieste
ARPA Emilia Romagna-
Struttura Oceanografica
Daphne
MareAmico
HCMR- Institute of
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University of Athens
University of Ioannina
University of Aegean
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Tuesday, November 30th

08.30 Registration

09.00 Opening and welcome addresses

SESSION 1

Chairperson: A. Nicolaidou (University of Athens, Athens)

09.30-10.00 *“Transitional waters, a context of coevolution of natural and anthropic processes. A study case”* G.C. Carrada – University of Naples “Federico II”

10.00-10.30 *“Perspectives and challenges of transitional waters conservation - a view from the north”* J. Baxter (Scottish Natural Heritage – Edinburgh)

10.30-11.00 **Coffee break**

Final meeting theme 1

TWReferenceNET divulgation and communication strategy

Chairperson: A. Basset (University of Lecce, Lecce), P. Lucchesi (MareAmico – Rome)

11.00 – 11.15 *“TWReferenceNET communication strategy”* P. Lucchesi – MareAmico

11.15 – 11.30 *“TWReferenceNET Products and E-Centre”* Franca Sangiorgio – University of Lecce



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- 11.30 – 11.45 “*A tale on the challenges of sustainable management from selected images of the Danube Delta life*” V. Giannulo RAI3
University of Lecce
- 11.45 – 12.00 “*The ESE System and the Transitional Waters e-Journals*” V. Valzano
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- Final meeting theme 2**
Anthropogenic pressures on TW in the CADSES area
Chairperson: S. Reizopoulou (HCMR – Athens); T. Albanis (Ioannina University, Ioannina)
- 12.00 – 12.15 “*Data base and GIS applications in Mediterranean lagoons*” S. Reizopoulou - HCMR, Athens
- 12.15 – 12.30 “*Apulian transitional waters: context analysis of anthropogenic pressures*” L. Sabetta – University of Lecce
- SESSION 2**
- 14.30 – 15.00 *Keynote* by C. Durante – Province of Lecce
- Final meeting theme 3**
Legislative integration in The CADSES area with respect to WFD and Nature 2000
Chairpersons: M. Carducci (University of Lecce); G. Papadimitriou (Nomos & Physis, Athens)
- 15.00 – 15.30 “” M. Carducci – University of Lecce
- 15.30 – 15.45 “*Nature 2000 New Sites: legislative aspects*” D. Addis – MATTM/MAE
- 15.45 – 16.00 “*Challenges, perspectives and problematic for the application of Rete Natura 2000 and WFD in Albania*” Z. Dedej – Ministry of Environment of Albania



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Final meeting theme 4

Sustainable exploitation and development in protected TW: pilot actions

Chairpersons: E. Ferrero (University of Trieste, Trieste)

University of Lecce Regione Puglia Provincia di Lecce	16.15 – 16.30	<i>“The Gold of the Park”</i> F. De Franco – Torre Guaceto, Brindisi
Consorzio di Gestione di Torre Guaceto University of Bologna	16.30 – 16.45	<i>“Project on sustainable tourism in Torre Guaceto Nature Reserve”</i> B. Varvaglione – Torre Guaceto, Brindisi
University of Trieste	16.45 – 17.00	Coffee break
ARPA Emilia Romagna- Struttura Oceanografica Daphne MareAmico	17.00 – 17.15	<i>“Guidelines for the management of protected transitional waters: the e-book as a conservation and management tool”</i> M. Marchesan, M., Spoto, S. Ciriaco – Miramare, Trieste
HCMR- Institute of Oceanography	17.15 – 17.30	<i>“Hydropsiche Project”</i> E. Paiano – Otranto (LE)
University of Athens University of Ioannina University of Aegean	17.30 – 17.45	<i>“Scientific research towards environmental education: a pilot training course aimed to produce a handbook for school teachers”</i> G. Sirgiiovanni – Pangea ONLUS, Sabaudia (LT)
National Agricultural Research Foundation - Fisheries Research Institute	17.45 – 18.15	<i>“Lagunet and e-networking of research activity on european lagoons”</i> P. Viaroli – University of Parma, Parma
Development Agency for Amvrakikos Gulf S.A. Nomos & Physis		Final meeting theme 5
Ministry of Environment of the Republic of Albania		<i>TWReferenceNET Networking activities and e-centre</i>
Institute of Oceanology of Varna-Bulgarian Academy of Sciences		Chairpersons: M. Spoto (University of Trieste); C. Arvanitidis (HCMR, Crete)
University of Galati- EECE Net Project s.r.l. Association ECOFORUM, ONG	18.15 – 18.30	<i>“Elnet: the Greek network of lagoon research”</i> S. Reizopoulou – HCMR, Athens
	18.30 – 18.45	<i>“Reducing fragmentation of expertise and knowledge on Mediterranean and Black Sea transitional waters”</i> A. Basset – University of Lecce



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Friday, December 1st

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SESSION 3

Final meeting theme 6

Community organisation, conservation and monitoring TW: theoretical advances and eco-technological innovation

Chairpersons: D. Koutsoubas (University of Aegean, Mytilini), S. Moncheva (IO-BAS, Varna)

08.45 – 09.00 “*WP2 activities, results and involved groups*” Koutsoubas - Moncheva

09.00 – 09.15 “*The use of chemical indicators for the assessment of lagoonal cosystems health: POP and pesticide levels in Amvrakikos Gulf lagoons*” T. Albanis, D. Lambropoulou – University of Ioannina

09.15 – 09.30 “*Ecosystem processes: litter breakdown patterns in Mediterranean and Black Sea transitional waters*” F. Sangiorgio – University of Lecce

09.30 – 09.45 “*Ecosystem processes: modelling leaf litter breakdown in transitional waters*” S. Alemanno – University of Lecce

09.45 – 10.00 **Coffee break**

10.00-10.30 “*The use of biomass size spectra for estuarine and coastal ecosystem research*” D.G. Kimmel (University of Maryland, USA)

10.30 – 11.00 “*The Delta area in SW Netherlands - a suite of transitional waterbodies next to each other but with strongly different spatial and temporal variations - what biotic and abiotic factors govern this variation*” H. Hummel – NIOO-CEME

Biological quality elements: phytoplankton and phytobenthos

11.00 – 11.15 “*A data base for the characterization of phytoplankton community structure in different types of transitional water ecosystems in Mediterranean and Black Sea areas*” MR. Vadrucci – University of Lecce



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- 11.15 – 11.45 “*Methodological aspects in the analysis of phytoplankton in the transitional waters*” C. Mazziotti – ARPA Emilia Romagna
“*Effects of preservation on phytoplankton cell biovolume*” R. Resta – University of Lecce
- 11.45 – 12.00 “*Phytoplankton size-related descriptors of the ecological status in transitional water ecosystems: an Adriatic-basin study case*” L. Sabetta – University of Lecce
- 12.00 – 12.15 “*Application of biotic indices and body size descriptors of phyto- and zooplankton communities in Varna lagoon for ecological status assessment*” V. Aleksandrova – Institute of Oceanology, Varna
- 12.15 – 12.30 “*Evaluation of the trophic state of some Albanian Sea lagoons*” E. Kongjka – Academy of Science, Tirana
- 12.30 – 12.45 “*Pico-cyanobacteria in seven Adriatic Lagoons*” P. Del Negro – OGS, Trieste
- 12.45 – 13.00 “*Benthic macrophyte communities as indicators of ecosystem changes in transitional and coastal waters: a synthesis of new approaches and tools*” S. Orfanidis – NAGREF
- SESSION 4**
14.30 – 15.00 “*Landscape Units, Abiotic Zonation and Benthic Diversity as Tools for Quality Assessment: the Lagoon of Venice as a Case Study*” D. Tagliapietra – CNR-ISMAR, Venice
- Final meeting theme 6**
Community organisation, conservation and monitoring TW: theoretical advances and ecotechnological innovation
Chairpersons: C. Ferrari (ARPA Emilia Romagna/DAPHNE, Cesenatico), S. Orfanidis (NAGREF, Kavala)
- Biological quality elements: macro-zoobenthos**
- 15.00 – 15.15 “*A data-base for the analysis of benthic macro-invertebrate communities of transitional water ecosystems in Mediterranean and Black Sea areas*” M. Pinna – University of Lecce
- 15.15 – 15.30 “*Research activities and outcomes in lagoonal ecosystems*” S. Reizopoulou – HCMR Athens



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- 15.30 – 15.45 “A mathematical experiment based on the taxonomic resolution data from coastal habitats” C. Arvanitidis – HCMR, Crete
- 15.45 – 16.30 Study cases produced by TWReferenceNET:
“Taxonomic and dimensional structure of benthic macroinvertebrates guilds of Margherita di Savoia Salt pans (Italy)” E. Barbone – University of Lecce
The biological system of the low salinity ponds in Kalloni Saltwork (Lesvos Island, NE Aegean Sea, Hellas) A. Evagelopoulos – University of Aegean
“Habitat typologies and distribution of benthic macroinvertebrates in Alimini Grande (Apulia, Italy)” N. Galuppo – University of Lecce
“Danube Delta” S. Dragan – University of Galati
“Activities carried out for the study of macro-zoobenthos in the Albanian coastal lagoons, in the framework of CADSES Project” S. Beqiraj – University of Tirana
- 16.30 – 16.45 “Information flow: from genes to communities in lagoonal ecosystems”. Vasileiadou – HCMR Athens
- 16.45 – 17.00 “Taxonomic benthic biotic indices in transitional waters: case studies from northern Adriatic and Black Sea” M. Ponti – University of Bologna
- 17.00 – 17.15 “Response of macrobenthic invertebrate descriptors along the environmental gradient in two transitional water ecosystems: Kalloni Saltworks (Lesvos Island, NE Aegean) and Margherita di Savoia Saltworks (S. Adriatic)” D. Koutsoubas – University of Aegean
- 17.15 – 17.30 **Coffee break**
- 17.30 – 18.00 “Macro-ecology of body size traits in Mediterranean and Black Sea lagoons: does body size discriminates the natural signal from the anthropogenic one?” A. Basset – University of Lecce
- 18.00 – 18.15 “Testing classification methods for assessing the ecological quality status in lagoons” N. Simboura – University of Athens
- 18.15 – 18.30 “Macrozoobenthic communities as a tool for assessment the ecological status of Varna lagoon” A. Trayanova – Institute of Oceanology of Varna



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SESSION 5

Round table on Perspectives and challenges of transitional water sustainable development: TWReferenceNET follow up

Chairpersons: Z. Dedej (Ministry of the Environment of Albania, Tirana), Alberto Basset (University of Lecce, Lecce) Sophia Reizopoulou (HCMR, Athens)

18.45 – 19.30 Contributed papers and discussion

SESSION 6

Concluding remarks and meeting closure



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PARTNERSHIPS: Saturday, December 2nd

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International Conference

“SUPPORTING GOVERNANCE OF TRANSITIONAL WATERS IN THE CADSES SPACE”

Hotel Tiziano e dei Congressi, Conference Hall,
Lecce - Italy

09.00 – 10.00 *Welcome addresses and opening session*
Chairpersons: C. Durante, G Scognamillo

Introduction: C. Durante – Province of Lecce ITALY

10.00 – 10.30 *“Ecology and the Governance of the coastal zone: TWReferenceNET results, outcomes” - A. Basset - University of Lecce, ITALY*

11.00 - 11.30 *“The restoration of Chesapeake Bay, USA 20 years of monitoring (1985-2005): accomplishments, advances and applications” D. Dauer – Old Dominion University, USA*

11.30 – 12.00 *“A long history of interventions in the lagoon of Venice. The works and the monitoring activities” – P. Campostrini CORILA, Venice ITALY*

12.00 – 12.30 *“The adaptive management in the protected areas, its role for the biodiversity conservation” M., Spoto, M. Marchesan, S. Ciriaco - Miramare, Trieste ITALY*

12.30 – 13.00 General discussion

13.00 Conclusions: Gianni Scognamillo – Province of Lecce ITALY