

WELCOME

The year of 2013 will mark the 44th anniversary of the Stratton Commission Report to the US Congress, which is considered by many professionals as providing the seed ground for coastal management efforts that became global in future years. Three years later, The Coastal Zone Management Act (1972) paved the way for starting the US coastal zone management programs. The concept and practice was exported to a number of countries in the 1980s, but it took some more years for global dispersion. The Rio Summit (UNCED, 1992) contributed significantly to this effect. For instance, management of coastal zones became a prime target for the Mediterranean in 1995 when the Barcelona Convention was revised and the second phase of the Mediterranean Action Plan was started. The European Union launched the Demonstration Programme on Integrated Coastal Zone Management in 1996. Similar significant programs and projects were initiated at other parts of the world in the 1990s.

Rehabilitation of degraded coastal areas and renovation of coastal cities became important fields of research and development in several industrialized countries. In short, significant experiences from these efforts and lessons learnt have accumulated. Several approaches such as “community-based”, “ecosystem-based”, “satoumi” have been developed and applied at different coastal zones. Today, there exist numerous local, regional, national and international projects and programs on ICM. Over these years, several new issues and approaches have emerged.

Therefore, it is timely to convene a global congress for reviewing the past efforts and experiences on ICM with the goal of identifying lessons learnt. This knowledge can help to develop wisdom that would lead us efficiently into the future in our pursuit for sustainability over precious coastal areas of the world. The Global Congress on ICM will be the second opportunity for merging MEDCOAST and EMECS conferences. The first joint conference that took place in Antalya, Turkey during 9-13 November 1999 was a major success.

We expect that the Global Congress on Integrated Coastal Management, organized at a corner of the magnificent Aegean Sea, enhanced by the charms of the famous tourist resort town of Marmaris and environs, enjoying the rich culture and warm hospitality for which Turkish people are well-known, will serve as a reference event for the future of ICM. We are confident to have another successful and enjoyable conference!

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Erdal Özhan, Mediterranean Coastal Foundation

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PROGRAM SUMMARY

TUESDAY 29 OCTOBER	
16:00 – 18:30	REGISTRATION
21:45 – 23:00	REGISTRATION Continue

WEDNESDAY 30 OCTOBER		
09:00 – 10:30	REGISTRATION	
10:30 – 12:30	OPENING SESSION & KEYNOTE SESSION	
12:30 – 14:00	Lunch Break	
14:00 – 16:00	EMECS SATOUMI SESSION	ORAL SESSIONS
16:00 – 16:30	Coffee Break	
16:30 – 18:30	ORAL SESSIONS – SSP SESSION	
19:00 – 20:30	<i>Opening Reception</i>	

THURSDAY 31 OCTOBER		
09:00 – 10:50	ECSA - SPRINGER SESSION	ORAL SESSIONS
10:50 – 12:30	Coffee & POSTER SESSION	
12:30 – 13:45	Lunch Break	
13:45 – 18:00	<i>Guided Cultural Tour to the City of Marmaris</i>	
EVENING	<i>FREE</i>	

FRIDAY 01 NOVEMBER			
09:00 – 10:10	ORAL SESSIONS	SSP PROGRAM	
10:10 – 10:30	Coffee Break		
10:30 – 12:40	ORAL SESSIONS	SSP PROGRAM	
12:40 – 14:00	Lunch Break		
14:00 – 15:40	PEGASO PROJECT SESSION 1	ORAL SESSION	SSP PROGRAM
15:40 – 16:10	Coffee Break		
16:10 – 18:30	PEGASO PROJECT SESSION 2	ORAL SESSION	SSP PROGRAM
21:00 – 23:00	<i>Turkish Cultural Night (Music and Dance)</i>		

SATURDAY 02 NOVEMBER			
09:00 – 10:20	ORAL SESSIONS	SSP PROGRAM	
10:20 – 10:50	Coffee Break		
10:50 – 12:30	MARLISCO SESSION on MARINE LITTER	ORAL SESSIONS	SSP PROGRAM
12:30 – 14:30	Lunch Break		
14:30 – 16:00	The MEDCOAST Experience over 20 years (1993 – 2013) and the Future Ahead		Other Special Meetings
16:00 – 16:30	Coffee Break		
16:30 – 18:00	CONFERENCE CLOSING SESSION		
20:30 – 24:00	<i>Conference Banquet</i>		

SUNDAY 03 NOVEMBER	
09:00 – 18:00	<i>TECHNICAL FIELD TRIP</i>

MONDAY 04 OCTOBER	
DEPARTURES, POST-CONFERENCE TOURS	

TECHNICAL PROGRAM

29 October 2013, Tuesday

16:00 – 18:30 *Registration at Club Turban Hotel*

21:45 – 23:00 *Registration continue*

30 October 2013, Wednesday

09:00 *Registration*

10:30 *Opening and Keynote Session*

Opening addresses

Keynote Presentation by Frank van der Meulen

Building with Nature in the Dutch Delta Dune Coast

(Frank van der Meulen, Bert van der Valk, Bas Arens, Kees Vertegaal, Mennobart van Eerde)

12:30 *Lunch Break*

Session 1A: ICM and Country Experiences

(Chair: Frank van der Meulen)

14:00 A Nested Governance System for ICZM in Egypt
Ó. García-Aguilar, M. Merino, P. González-Riancho, M. Sanò and R. Medina

14:20 Integrated Coastal Zone Management - The Croatian Case
Ž. Kordej - De Villa, I. R. Bakari and N. Starc

14:40 Integrated Urban Coastal Management in Singapore
A. Ng

15:00 Turning Istanbul into A Disaster Resilient City
F. A. Türer Başkaya

15:20 Discussion

Session 1B: SATOUMI Special Session (International EMECS Centre) (Chair: Tetsuo Yanagi)

14:00 Restoration of Chesapeake Bay: Past Success and Future Challenges
R. M. Summers

14:20 Monitoring Campaign as ICM Tools for Tokyo Bay
K. Furukawa

14:40 A Vital Role of Satoumi in the Implementation of ICM in Japan
O. Matsuda

- 15:00 Measures for Environmental Conservation in Enclosed Coastal Seas
S. Ichiki, T. Nishida and Y. Nakura
- 15:20 Sato Umi Movement in Indonesia
S. I. Sachoemar and T. Yanagi
- 15:40 Discussion

Session 1C: Coastal and Marine Modelling
(Chair: Eric Wolanski)

- 14:00 50-Year Biogeochemical Model Simulations in the Mediterranean Sea
A. K. Stips and E. Garcia-Gorriz
- 14:20 Morphostatic Study of the Bine El Ouediane Lagoon, Tunisia
C. Briere and R. McCall
- 14:40 Water Quality Protection: Grand-Marina, Sochi
I. Kantardgi, V. Maderich, E. Terletskaya, I. Brovchenko and L. Prokhoda-Shumskikh
- 15:00 Water Quality Simulation of Lakes Cernek and Balık at the Kızılırmak Wetlands (Turkey)
K. Küçük and G. Bakan
- 15:20 “Fishery Simulator” to Vitalize Trawl Fishery in Ise Bay
S. Tabeta, Y. Nakamura, T. Suto, K. Saito, M. Sekine, I. Seki, K. Ishikawa, M. Irie and K. Furukawa
- 15:40 Discussion

16:00 Coffee Break

Session 2A: Students and Schools Partnership (SSP) Session
(Chair: Wayne Bell)

- 16:30 I want to change the world by improving the environment of the sea and canals of my city Amagasaki
N. Yamamoto
- 16:50 *Coastal Management in Turkey: Things that we do not like*
Y. Kariparduc and Y. Öztekin
- 17:10 Integrated Learning and the Chesapeake Semester
J. Sullivan and C. Ulrey
- 17:30 Challenging for “Visualization” Project of Seafloor Litter in Seto Inland Sea
M. Nakato
- 17:50 Education for Protection and Conservation of Coastal Environment
F. Şenyüz and K. Özer
- 18:10 Discussion

Session 2B: Coastal and Marine Ecosystems 1
(Chair: M. Cristina Buia)

- 16:30 Responses of the Hiroshima Bay Ecosystem to Inputs
*J. Kittiwonich, T. Yamamoto, O. Kawaguchi,
and I. Madinabeitia*
- 16:50 Ecosystem Dynamics in Tokyo Bay; Forces on High
Trophic Level Organisms
A. Sakamoto and K. Shirakihara
- 17:10 Oligotrophication in the Seto Inland Sea, Japan
T. Yanagi
- 17:30 Discussion

Session 2C: Water Quality (Chair: Olli Varis)

- 16:30 Climate Change Impacts on Marine Water Quality
*J. Rizzi, S. Torresan, A. Zabeo, A. Critto, D. Brigolin,
S. Carniel and R. Pastres*
- 16:50 Eco-monitoring of Dredging in the Gulf of Finland
J. Lednova, A. Chusov and M. Shilin
- 17:10 Bioidentification of Xenobiotics as a Part of Water
Quality Control
V. Tonkopii
- 17:30 Discussion

19:00 – 20:30 Opening Reception

31 October 2013, Thursday

**Session 3A Coastal Management Tools and Development
Issues (Chair: Osamu Matsuda)**

- 09:00 Report Cards: An Effective Environmental Management
Tool
W. C. Dennison
- 09:20 Assessing Sustainable Development of the Coastal
Zone: GIS Approach
O. Arkhipova
- 09:40 Towards Green Ports in Lebanon
N. Sabra, N. Zeidan and M. El-Khalil Chalabi
- 10:10 Discussion

**Session 3B: ECSA – Springer Special Session on “Estuaries
of the World” (Chair: Jean-Paul Ducrotoy)**

- 09:00 Estuaries of the World: a New Approach to Estuarine
Ecology
J. P. Ducrotoy and A. Chéronet

- 09:20 Estuaries of Australia in 2050 and Beyond
E. Wolanski and J. P. Ducrotoy
- 09:40 Assessing Dissolved Inorganic Nitrogen Flux in the Yangtze River: Sources and Scenarios
Z. Chen and H. Xu
- 10:10 Input of Nutrients to the Baltic Sea from the Transboundary Rivers
G. Frumin
- 10:30 Discussion

Session 3C: Shoreline Management
(Chair: Tomoya Shibayama)

- 09:00 Innovative Approaches and Tools for Erosion Control and Coastline Management
A. Giardino, W. De Boer, K. Den Heijer, B. Huisman, J. Mulder and D. J. Walstra
- 09:20 Using Sustainable Solution for Shoreline Management
A. Soliman and M. El-Dakkak
- 09:40 Impact on the Beach due to Construction of a Marina
M. Aguzzi, N. De Nigris, M. Morelli and M. Preti
- 10:10 Shoreline Changes behind Offshore Detached Breakwaters
M. Morad and T.A. Omran
- 10:30 Discussion

10:50 Coffee Break and Poster Session

1. Monitoring of Boat Navigation in the Dalyan Channel
N. Tüfekçi, U. Avşar and E. Özhan
2. Importance of the Financial Resources in Effective ICZM: the Egyptian Experience
H. S. Ibrahim and Ibrahim Hegazy
3. A Conceptual Framework for Integrated Assessment
S. Camilleri, A. Perez-Hurtado and G. Gabbianelli
4. The Aquarium of Varna - Educational Centre for Biodiversity
D. Klisarova and E. Petrova
5. Tidal Flat Restoration with Public Involvement: Toward a New Sato-Umi in Ago Bay
H. Kokubu and O. Matsuda
6. Socio-Economic and Resource Potential of the Russian Coastal Regions
G. Gogoberidze
7. Tourism Development and Impacts on the Coastal Zone of Ravenna: A Case Study
O. Sytnik

8. The Basis of Urban Areas in the context of ICM - The Southern Region of Russia
Olga Kozinskaya
9. Sustainable Development of a Former U. S. Base in Greece
P. Koulouri, V. Markantonatou, C. Martin, G. Alexandrakis, S. Poulos, C. Dounas and Y. Henocque
10. Protection of Aquifer Areas from Land Uses: The Case of Gölbaşı Specially Protected Area
B. Ergen
11. Effects of Geographical Factors on Spatial Planning of Coastal Areas in Turkey
Ö. Sertkaya Doğan
12. Study on Coastal Management Planning - The Case of Sinop Peninsula
O. Gökkurt Baki and O. N. Ergun
14. Environmental Factors Influencing Site Selection for Mariculture
B. Baki and O. Gökkurt Baki
15. Effect of Climatic Parameters on the Mackerels in Tunisia
C. Jabeur, F. Belhoula, W. Khoufi, Y. Mani, K. Fdhila and A. Bakhrouf
16. The Perspective of Using Biological Resources of the Black Sea
V. Ryabushko and L. Ryabushko
17. Stock Assessment of *Loligo vulgaris* from Tunisian Northern Coasts
S. Ezzeddine and B. Chemmam
18. Biology and Population Dynamics of Bluefish along Oman Coast
M. Chesalin, S. Al-Shajibi, S. Zaki, A. Al-Ghassani and G. Al-Shagaa
19. Chlorophyll-a, Temperature and Fish Catch in Indonesian Waters
S. I. Sachoemar, T. Yanagi, N. Yustiningsih and R. S. Aliah
20. Improvement of a Horseshoe Crab Spawning Site
M. Ishikawa, S. Seino and H. Tomida
21. River Ascending Mechanism of Juvenile Seabass
T. Fuji, A. Kasai, M. Ueno and Y. Yamashita
22. Effect of the Transfer on Decontamination of Clams
L. Hmida, F. Nasri, D. B. Naila, S. Lengliz and M. S. Romdhane

23. Study on the Mortality and Behavior of Manila Clam during Blue Tide
M. Matsushige, Y. Kozuki, R. Yamanaka, T. Tsuyama, H. Kommori, T. Ishida and S. Otani
24. An Experimental Research to Clarify the Response of Larval and Postlarval Greasyback Prawn to Hypoxia
S. Yamochi, K. Ikeda and K. Mutsutani
25. Predation Forms in Black Sea *Rapana venosa*
A. Kosyan
26. Dinoflagellate Cysts in the Gulf of Gabes (Tunisia)
A. B. R. Jenhani, A. Fathalli and M. S. Romdhane
27. Effect of Potential Probiotic on *Crassostrea Gigas* Survival
S. Khouadja and A. Bakhrouf
28. Development of Effective Environmental Management Tools
C. Suzuki
29. Long-term Changes of Nutrients in River Water
Y. Komai and K. Muramatsu
30. Nitrogen Dynamics in the Yodo River Estuary, Japan
R. Sugimoto and A. Kasai
31. Factor Causing Recent Decrease of Nutrients from Rivers
M. Ishizuka
32. Phytoplankton Chlorophyll, Biomass, Inactive Matter
V. Tchmyr and M. Senicheva
33. Assessment of Plankton Biodiversity in the North Caspian
M. Voynova, R. Umerbaeva and E. Kolmykov
34. Algae: The Raw Material for Biologically Active Substances
V. Ryabushko, M. Nekhoroshev, L. Ladygina, S. Zheleznova and E. Popova
35. Macroalgae on Concrete Contained Amino Acid
C. Tara, N. Murase, K. Sato, M. Abe and J. Haga
36. Duration of Amino Acid in Concrete for Algae
K. Sato, Y. Kozuki, H. Nishimura, C. Tara, T. Nakanishi, Y. Mizuguchi, R. Yamanaka, T. Tabohashi, M. Fukuda and J. Haga
37. The Assessment of Assimilation Capacity of Marine Ecosystems
O. Esina, M. Pavlova and A. Aldabaev
38. Coastal Dunes Features of Endemic *Ipomoeo – Elymetum farcti* Association
A. Serteser

39. Causes of Coastal Ecosystem Degradation in Bangladesh
A. Rahman and G. Miah
40. Artificial Reef cum Coral Transplantation in Sarangani
R. B. Cortez, J. C. Ologuin and F. Robles Jr.
41. The Influence of *Rapana venosa* on the Ecology of The Black Sea
Y. Smirnova and D. Smirnov
42. Effect of Steelmaking Slag on Marine Benthos
Y. B. Akiyama, H. Yano, T. Katayama, M. Takeda, T. Okuda, S. Nakai and W. Nishijima
43. Impact of Environmental Stress on Metabolism of *Perinereis cultrifera*
H. Gasmi, O. Maamcha, T. Daas and P. Scaps
44. Decline in Biodiversity of Copepods in Coastal Waters of Mumbai
R. Stephen, K. V. Jayalakshmy and V. R. Nair
45. Application of Ecological Evaluation Index on Albanian Coastal Rocky Shore
S. Gogo and L. Kashta
46. Biodiversity Assessment: Preliminary Findings at Köycegiz-Dalyan SEPA
E. C. Yılmaz, B. Akçalı, R. Kavcıoğlu, M. Özaydınlı, F. Bengil, J. Kankuş, T. Tümer, R. Sönmez, Ş. Kuşçu, Ö. Özgen, C. Ergüden, D. Hepsöğütü, S. Kozludere, G. Kaboğlu and K. C. Bizsel
47. Biodiversity for Carrying Capacity Assessment
B. Akçalı, E. C. Yılmaz, R. Kavcıoğlu, M. Özaydınlı, F. Bengil, J. Kankuş, T. Tümer, R. Sönmez, Ş. Kuşçu, Ö. Özgen, C. Ergüden, D. Hepsöğütü, S. Kozludere, G. Kaboğlu and K. C. Bizsel
48. Effect of Biological Invasions on Eutrophication of the Baltic Sea
U. Malikov
49. Plankton Diversity in Ballast Waters at Tunisian Ports
M. S. Romdhane, A. Fathalli, J. Aouani and A. B. R. Jenhani
50. Investigation of Invasive Species in Ballast Waters
D. Klisarova
51. Water Quality Control Concept in Seto Inland Sea
M. Kii and M. Ishizuka
52. Impact of Warm Water in Upstream on Water Quality of Headwater Reservoir
I. Makino and Y. Yahagi

53. Purification Effect of a New Plant in Amagasaki Canal
R. Yamanaka, Y. Kozuki, H. Okegawa, Y. Kutsukake, R. Shimameguri, K. Yamanaka, K. Isshiki, T. Nakanishi, H. Kawai, M. Ishigaki, H. Ueshima and A. Tsukahara
54. Bacterial Quality of Coastal Waters of Annaba (East Algeria)
S. Hidouci, A. B. Djebar, R. Amara and H. Sahraoui
55. Radioactivity of Organisms by the FDNPS Accident
M. Ishida, R. Nakagawa, T. Ikeuchi and H. Yamazaki
56. Radioactive Cesium Pollution of Tokyo Bay Sediment
R. Nakagawa, M. Ishida and H. Yamazaki
57. Impact of Antifouling Biocide on Marine Environment
N. Tsunemasa
58. Assessment of Biogeochemical Activity of Heavy Metals in the North Caspian
I. Radovanova, A. Kurapov and N. Popova
59. Diagnosis of Pollutant Origin (gradient)
V. Tatarnikov, I. Volkov, and O. Enina
60. Background Concentration and the Contribution of Local Processes in Marine Environmental Pollution
N. Chernyshova, A. r Suslov, O. Esina and E. Ostrovskaya
61. Contamination of Bourgas Port Waters with Oil
V. Galabov, A. Kortcheva, G. Kortchev and J. Marinski
62. Oil Pollution of Small Rivers in Kaliningrad Region
E. Demenchuk, O. Ryabkova and O. Krylova
63. Effect of Grain Size Fractions on Distribution of Cr in Sediments
M. A. M. Abdallah
64. Remediation of Coastal Sediments Using Granulated Coal Ash
K. Kim, T. Hibino, T. Yamamoto, I.-C. Lee, S. Hayakawa and K. Nakamoto
65. The Assessment of Atmospheric Processes Impact on the Caspian Sea
S. Monakhov, O. Esina and L. Nepomenko
66. Modelling Flash Floods in Vouraikos River Mouth, Greece
K. Kalogeropoulos, S. Karalis, E. Karymbalis, C. Chalkias, G. Chalkias and P. Katsafados
67. Rare Flash Flood Occurrence in the Ashamba River and its Impact on Gelendzhik Area
S. Mukhametov
68. Comparison between Flooded Areas and Flood-risk Areas
C. Esposito and F. Pons

69. Submarine Groundwater Discharge in Obama Bay
H. Honda, R. Sugimoto, S. Kobayashi, Y. Takao, D. Tahara, O. Tominaga and M. Taniguchi
70. The Use of Cold Sea Waters to Produce Fresh Water
V. Tchmyr
71. Estimation of the Air-sea N₂O Flux Based on the Measured Data in the Japanese Coastal Sea
M. Hayashi, M. Ohya, K. Sakamoto and E. Yamashita
72. Secular Change of Semidiurnal Tide in the Ariake Sea, Japan
A. Tai, K. Tanaka and T. Saita
73. Variability of Salinity in the Mafragh Estuary (South-Western Mediterranean)
A. Haridi, O. R. Ziouch, S. Belbacha and M. Ounissi
74. Extreme Wind Waves in the Coastal Zone of Sakhalin Island
K. Kuznetsov, A. Zaytsev, E. Pelinovsky and A. Kurkin
75. Fluctuation of Residual Current in Sendai Bay
S. Takahashi and M. Yamasaki
76. Analysis of Seawater Run Up in the Yodo River Estuary
M. Hayashi, R. Koge, T. Fujii and K. Yamamoto
77. Numerical Model Study of the Maximum Turbidity at the Mouth of Wadi El-Harrach (Algeria)
M. K. Mihoubi and T. El Guizi and R. Belkessa
78. Numerical Study of Detached Breakwaters
M. Morad, K. A. Rakha and A.G. Abul-Azm
79. Sediment Dynamics of the Coast of Gabes
I. Bardi, W. Gharbi, M. Souayed and S. Abdeljaouad
80. Coastal Erosion Monitoring at the Barents and Kara Seas
S. Ogorodov, A. Kamalov, N. Belova, A. Baranskaya, D. Kuznetsov, N. Kopa-Ovdienko, N. Shabanova and A. Vergun
81. A Study of Wave Reflection at Oran Port
B. Hamoudi, Y. Bakhti and C. Nadji
82. The Expected Changes of Morphology of the Albanian Coastal Area
M. Burba and T. Hoxhaj
83. Towards Coastal Risk Management in the Nile Delta
Y. Eldeberky
84. Regional-Level Impacts of Climate Change on the Black Sea
S. Dineva
85. Land Subsidence - A New Dimension in Coastal Hazards of Bangladesh
B. Rashid and M. F. Alam

86. Trace of Tsunami Recorded in Tanabe Bay Sediment
H. Yamazaki, R. Nakagawa, M. Ishida, R. Azuma, T. Hiraishi, T. Takahashi, Tsuyoshi Haraguchi and Hideo Sekiguchi
87. Data Sharing Inspired by Pegaso SDI – Georgian CASES
M. Gvilava, T. Bakuradze, A. Gigineishvili, K. Allenbach, E. Guisado, C. Martínez and G. Malvárez
- SSP1. I want to change the world by improving the environment of the Amagasaki canal and port
N. Yamamoto
- SSP2. Coastal Management in Turkey: Things that we do not like
Y. Kariparduc and Y. Öztekin
- SSP3. Integrated Learning and the Chesapeake Semester
J. Sullivan and C. Ulrey
- SSP4. Sea Garbage Project - Cleaning the Seto Inland Sea, Fighting on Invisible Enemy
M. Nakato
- SSP5. Education for Protection and Conservation of Coastal Environment
F. Şenyüz and K. Özer

12:30 Lunch Break

13:45 Cultural Trip to Marmaris

Evening: Free

01 November 2013, Friday

Session 4A: Education and Awareness (Chair: Kaori Fujita)

- 09:00 Ocean Environmental Awareness Measurement: Method and Application
M. L. Umuhire and F. Qinhu
- 09:20 “Go Human-revolution, Go Green-revolution”
Y. Iio
- 09:40 Easy to Use Tool for ICZM Progress Reporting
M. Gvilava and A. Gigineishvili
- 10:00 Discussion

Session 4B: Coastal and Marine Ecosystems 2

(Chair: Piamsak Menasveta)

- 09:00 Changes in Dominant Species of Seagrass Bed on Eastern Yamaguchi, Seto Inland Sea, Japan
K. Sugimoto, Y. Nakano, T. Okuda, S. Nakai, W. Nishijima and M. Okada
- 09:20 Historical Changes in Algal Diversity in the Gulf of Naples
M. C. Buia, A. Chiarore, M. Mulas and L. Porzio
- 09:40 Optimization and Comparison of Underwater Mapping
M. Bonacorsi, C. Pergent-Martini, P. Clabaut, G. Jouet and G. Pergent
- 10:00 Discussion

Session 4C: Climate Change Issues (Chair: Zhongyuan Chen)

- 09:00 Responding to Climate Change: Climate Impacts, Adaptation, Mitigation and Education in Maryland, USA
Z. Johnson, D. Goshorn, D. Nemazie and W. C. Dennison
- 09:20 Beach Carrying Capacity Under Sea-level Rise
T. Hasiotis, I. Monioudi, R. Rafailidis and A. Velegrakis
- 09:40 Discussion

10:10 Coffee Break

Session 5A: Legal and International Issues (Chair: Atila Uras)

- 10:30 Developing a Regulatory Framework for Underwater Noise
D. Johnson and J. Mouat
- 10:50 Assessing Progress in Depolluting the Mediterranean Sea
C. Spiteri, C. Roddier-Quefelec, J.-P. Giraud and T. Hema
- 11:10 Exclusive Economic Zone: Prospects for Better Governance
Ş. Güneş
- 11:30 The Implementation Gap in ICZM Laws and Policies
R. Alterman and R. Adam
- 11:50 Discussion

Session 5B: Coastal and Marine Protected Areas

(Chair: Christine Pergent)

- 10:30 Marine Protected Areas in the Mediterranean Sea - Coherence and Efficiency
C. Webster, B. Meola, M. Romani, S. El Asmi, D. Cébrian and C. Gabrié, C. Rais, D. de Monbrison and P. Canals

- 10:50 Strengthening the System of MCPAs of Turkey
G. Ergün, G. Atkın Gençoğlu, K. Zaim, B. Erdoğan, Y. E. Dinçaslan, K. Ceviz, E. Kartal, Ö. Katisöz, Z. D. Yıldırım and H. Güçlüsoy
- 11:10 Stakeholders, Technology and MPAs: Towards Integrated Management?
V. Markantonatou, M. Sanò and C. Cerrano
- 11:30 Predictive Habitats Modelling for Marine Spatial Planning
T. Hattab, F. B. R. Lasram, C. Albouy, C. Sammari, M. S. Romdhane, P. Cury, F. Leprieur and F. L. Loc'h
- 11:50 Protection through Valuation: Using Q Methodology to Explore the Intangible Benefits of a UK MPA
K. Pike and P. Wright
- 12:10 MPA Designation by Fishery Knowledge Tsushima Island
S. Seino, S. Miyazato, K. Hada, N. Kamayama and M. Kimura
- 12:30 Discussion

**Session 5C: Remote Sensing, Coastal and Marine Databases
 (Chair: Vittorio Barale)**

- 10:30 Sub-mesoscale Eddies Seen by Spaceborne Radar
S. Karimova and M. Gade
- 10:50 Radar Observations in the German Wadden Sea
M. Gade, S. Melchionna, L. Kemme
- 11:10 EU "Atlas of the Seas": New Outlook to Coastal Issues
V. Barale, J. Dusart and J. Gaffuri
- 11:30 Coastal Spatial Data Infrastructures: So far So Good?
G. C. Malvárez, E. G. Pintado, F. Navas and A. Giordano
- 11:50 A Database of Severe Impacts in the Coast of Southeastern Brazil
L. H. Nunes
- 12:10 Discussion
- 12:40 Lunch Break**

Session 6A: PEGASO Project – ICM in the Mediterranean and the Black Sea 1 (Chair: Sergey Konovalov)

- 14:00 The PEGASO Project: Supporting ICZM in the Mediterranean and Black Sea Basins
F. Breton and Ž. Škaričić

- 14:20 Application of ICZM Tool's: Experience from the French PEGASO Study Site
A. Guelmami, L. Ernoul and E. L. Gentil
- 14:40 A Set of Indicators for ICZM
F. Santoro, A.-K. Lescauwat, J. P. Giraud, A. Lafitte and J. Barbière
- 15:00 Participatory Experiences in PEGASO Project
S. Soriani, F. Buono, A. Bordin, M. Tonino and M. Camuffo
- 15:20 Discussion

Session 6C: Coastal Engineering and Geology
(Chair: Saleh Abdalla)

- 14:00 Wind and Wave Data Selection for Climate Studies in Enclosed Seas
S. Abdalla
- 14:20 Difficulties of Sediment Transport Modelling
R. Kos'yan, J. Grüne, B. Divinskiy and I. Podymov
- 14:40 A Numerical Simulation of Future Storm Surges Using Meteorology-Wave-Surge-Tide Model
T. Shibayama, K. Ohira and S. Hoshino
- 15:00 Gulf of Finland Coastal Systems in Holocene
D. Ryabchuk, A. Sergeev, V. Zhamoida, T. Gusentsova, P. Sorokin, M. Kulkova and D. Gerasimov
- 15:20 Discussion
- 15:40 Coffee Break**

Session 7A: PEGASO Project – ICM in the Mediterranean and the Black Sea 2 (Chair: Françoise Breton)

- 16:10 PEGASO Case Studies and ICZM Implementation
S. Soriani, M. Tonino, F. Buono, A. Bordin and M. Camuffo
- 16:30 Implementing Local Policies for Case Study Sulina
I. Nichersu, I. Nichersu, M. Mierla, E. Marin and C. Trifanov
- 16:50 Environmental Assessment Tools in the PEGASO Case - Sevastopol Bay
S. Konovalov, V. Vladymyrov, V. Dolotov, O. Sergeeva, Y. Goryachkin, O. Moiseenko, S. Alyomov, N. Orekhova and L. Zharova
- 17:10 Köyceğiz-Dalyan SPA (Turkey): Management Issues and Experiences
E. Özhan, U. Avşar, N. Tüfekçi, S. Özuslu, S. Önder, D. Konaklı and N. Kan
- 17:30 Discussion

**Session 6B: Coastal and Marine Pollution Management
(Chair: Keita Furukawa)**

- 16:10 Managing Pollution in the Great Barrier Reef - Success?
J. Brodie
- 16:30 Assessing Pollutant Risk to the Great Barrier Reef
J. Waterhouse, J. Brodie and J. Maynard
- 16:50 New Direction for Water Environmental Management
Y. Nakura, T. Nishida and S. Ichiki
- 17:10 A New Approach to the Assessment of Marine
Environment Pollution: An Ensemble Method
G. Monakhova, V. Zaytsev and S. Monakhov
- 17:30 A Proactive System for Maritime Environment
Monitoring
D. Moroni, G. Pieri, M. Tampucci and O. Salvetti
- 17:50 Discussion

21:00-23:00: Turkish Folkloric Night (Music and Dance)

02 November 2013, Saturday

Session 8A: Participation in ICM (Chair: Robert Summers)

- 09:00 Participation, Stakeholder Dialogue, and Governance
Platforms in the Mediterranean and Black Sea Basins
J. Le Tellier and A. Lafitte
- 09:20 Community Led Coastal Management - Lessons from
Down Under
P. Lawless
- 09:40 The Social Dimension of Coastal Risk Landscapes
E. Roca, M. Villares, L. Oroval and A. Gabarró
- 10:00 Discussion

Session 7B: Wetlands and Estuaries (Chair: Mustafa İşiloğlu)

- 09:00 An Observatory for Monitoring Mediterranean Wetlands
*C. Perennou, C. Beltrame, T. Galewski, L. Chazee
and A. Guelmami*
- 09:20 Isahaya Bay, Freshwater Lake to an Estuary Again
Y. Hayami and T. Hamada
- 09:40 Discussion

Session 7C: Coastal Landscapes (Chair: Ruben Kos'yan)

- 09:00 Methods of Strategic Environmental Assessment for Coastal Landscapes
G. Gogoberidze, J. Lednova, S. Oganova, M. Lazareva and E. Ezernitskaya
- 09:20 Coastal Scenic Evaluation, Nador Province, Morocco
A. Williams, A. Ergin, K. Stepanova and A. Khattabi
- 09:40 Seascape Metrics for the Mediterranean Sea: A Case Study
M. S. Nowell, L. Salvati and F. Breton
- 10:00 Discussion

10:20 Coffee Break

Session 9A: Chesapeake Bay (Chair: David Carroll)

- 10:50 Communicating Chesapeake Bay Health
D. Nemazie, A. Pelsinsky and W. C. Dennison
- 11:10 Bay Restoration Goals and Stakeholder Involvement
L. Currey, J. George and T. Thornton
- 11:30 Equity in TMDL Allocations
L. Currey, J. George, V. Amin and T. Thornton
- 11:50 Applying BayStat to Restore Chesapeake Bay
D. Goshorn and D. Nemazie
- 12:10 Discussion

Session 8B: Coastal and Marine Ecosystems 3 (Chair: Gerard Pergent)

- 10:50 Trophic Dilution of PAHs through Benthic Food Web in Tidal Flat
S. Otani, I. Tamura, H. Yamamoto, Y. Kozuki and Y. Shimizu
- 11:10 Macro and Microscopic Gonads Evaluation, Case of *Merluccius merluccius*
W. Khoufi, R. Ferreri, H. Jaziri, S. El Fehri, A. Gargano, S. Mangano, S. Ben Meriem, M. S. Romdhane, A. Bonanno and G. Basilone
- 11:30 Subsurface Chlorophyll Maximum in a Stratified Estuary
A. Kasai, T. Funahashi, K. Anbutsu, K. Ishii, M. Ueno and Y. Yamashita
- 11:50 Caspian Sea Impact on Gastropods Temporal and Spatial Variation
H. Khoshnavan and A. Khoshnavan
- 12:10 Discussion

Session 8C: Marine Litter: MARLISCO Project Special Session (Chair: Allan T. Williams)

10:50 A Novel Best Practices Approach: the MARLISCO Case
X. I. Loizidou, M. I. Loizides and D. L. Orthodoxou

11:10 Marine Litter: Social Awareness and Co-responsibility
J. M. Veiga, T. K. Doyle, B. Hartley, R. Thompson, P. Kershaw, T. Vlachogianni, I. Alampei, D. L. Orthodoxou, X. I. Loizidou, M. Mossbauer and L. Alcaro

11:30 Microplastics in the Solent Estuarine Complex, UK: Threat and Implications for Management
A. Gallagher, A. Rees, R. Rowe, J. Stevens and P. Wright

11:50 Discussion

12:30 Lunch Break

14:30 The MEDCOAST Experience over 20 years (1993 – 2013) and the Future Ahead
– An Open Discussion Session

Other Meetings

16:00 Coffee Break

16:30 Congress Closing Session
(Chair: Erdal Özhan – Masataka Watanabe)

20:30 – 24:00: Congress Dinner

03 November 2013; Sunday:

09:00-18:00 Technical Field Trip to Gökova Bay SPA and the Sedir Island

04 November 2013, Monday:

**Post-Conference Tours
Departures**

NOTES