

4th IEEE/OES BALTIC SYMPOSIUM „INTEGRATED
OBSERVATION SYSTEMS AND DATA BASES FOR
CLIMATE CHANGE RESEARCH”
Riga, Latvia, August 25-27, 2010

Programme

Length (min)	From-Till	Authors	Title
<u>TUESDAY, AUGUST 24, 2010</u>			
60	17:00-19:00	Registration, UL main building, Raina blvd, 19, at the Small Hall	
<u>WEDNESDAY, AUGUST 25, 2010</u>			
60	08:00-09:00	Registration, UL main building, Raina blvd, 19, at the Small Hall	
15	09:00-09:15	Opening, Honorary chair, Symposium chairs	
45	09:15-10:00	Tom Mc Gee	Oil Spill in the Gulf of Mexico
Session A: INTEGRATED OCEAN OBSERVING SYSTEMS AND INTEGRATED OCEANOGRAPHIC DATA BASES UL main building, Raina blvd, 19, The Small Hall Chairs: Gennadi Lessin, Urmas Raudsepp,			
30	10:00-10:30	<u>Urmas Raudsepp</u> , Rivo Uiboupin, Liis Sipelgas, Priidik Lagemaa	Use of Earth Observation data and numerical modeling in the developing of marine downstream services in Estonia.
20	10:30-10:50	<u>Thomas Helzel</u> , Vincent Mariette, Nicolas Thomas and Markus Valentin	Coastal Radar WERA, a Tool for Search and Rescue and Oil Spill Management.
20	10:50-11:10	<u>Getli Haran</u> , Urmas Raudsepp, Victor Alari, Rivo Uiboupin, Liis Sipelgas, Ants Erm	Operational observations methods during offshore sand mining – case study in Tallinn Bay, the southern Gulf of Finland.
30	11:10-11:40	Cofee break	
20	11:40-12:00	<u>Diana Vaičiūtė</u> , Irina Olenina, Rima Kavolytė, Inga Dailidienė, Renata Pilkaitytė	Validation of MERIS chlorophyll a products in the Lithuanian Baltic Sea case 2 coastal waters.
20	12:00-12:20	<u>Priidik Lagemaa</u> , Irina Suhhova, Marden Nõmm, Juss Pavelson	Comparison of current simulations by the state-of-the-art operational models in the Gulf of Finland with ADCP

		and Jüri Elken	measurements.
20	12:20-12:40	<u>Rivo Uiboupin</u> , Lars Axell, Urmas Raudsepp and Liis Sipelgas	Comparison of operational ice charts with satellite based ice concentration products in the Baltic Sea.
20	12:40-13:00	<u>Igor Kozlov</u> , Inga Dailidienė and Vladimir Kudryavtsev	Advancing coastal upwelling observations with use of SAR data: case study from SE Baltic.
60	13:00-14:00	Lunch	
20	14:00-14:25	Inga Dailidienė, Natalja Kolesova, Urmas Raudsepp, Liis Sipelgas, Maksim Igonin	Session A Poster annotations, 5 min each
20	14:25-15:00	Discussion on the issues of Integrated Ocean Observing Systems Moderators: Gennadi Lessin, Urmas Raudsepp	
30	15:00-15:30	Coffee break/poster session	
120	17:00-19:00	Ice Breaker, UL main building, Raina blvd, 19, cafeteria	
<u>THURSDAY, AUGUST 26, 2010</u>			
Session B: MODELLING OF MARINE SYSTEMS AND PRESSURES TO THEM UL main building, Raina blvd, 19, The Small Hall Chairs: Andris Andrushaitis, Juris Aigars			
30	9:00-9:30	<u>Anda Ikauniece</u> , Juris Aigars, Bärbel Müller-Karulis	Climate Change Impact on Biogeochemical and Biological Properties in the Gulf of Riga.
30	9:30-10:00	<u>Robert Aps</u> , Fetissof, M., Lassen, H.	Smart Baltic Sea fisheries system: myth or reality?
20	10:00-10:20	Gennadi Lessin	Modeling the response of the Gulf of Finland ecosystem to changing climate.
20	10:20-10:40	<u>Adolf Stips</u> and Madis-Jaak Lilover	Yet another assessment of climate change in the Baltic Sea area.
20	10:40-11:00	<u>Jelena Passenko</u> , Gennadi Lessin, Urmas Raudsepp, Ilja Maljutenko, Thomas Neumann and Jaan Laanemets	Analysis of temporal variability of measured and modeled vertical distributions of salinity and temperature in the Gulf of Finland during 10-year period.
30	11:00-11:30	Coffee break	
20	11:30-11:50	<u>Ilja Maljutenko</u> , Jaan Laanemets, Urmas Raudsepp	Longterm high resolutional hydrodynamical model simulation for the Gulf of Finland.
20	11:50-12:10	Cecilia Ambjörn	Seatrack Web, the HELCOM tool for oil spill prediction and identification of illegal polluters.

20	12:10-12:30	<u>Svetla Miladinova</u> and Adolf Stips	Modelling of Baltic Sea inflow events and deep water currents.
30	12:30-13:00	<u>Victor Klemas</u> and Richard Field	Coastal Wetlands and Sea Level Rise: A Remote Sensing Perspective.
60	13:00-14:00	Lunch	
60	14:00-15:00	Edith Soosaar, Kim Il-Song Session B Poster annotations, 5 min each; Discussion on the issues of Modelling of marine Systems Moderators: Andris Andrushaitis, Juris Aigars	
Session C: ENVIRONMENTAL MONITORING TECHNOLOGIES UL main building, Raina blvd, 19, the Small Hall Chairs: Victor Klemas, Adolf Stips			
30	15:00-15:30	<u>Ostrovskii, A.G., Paka, V.T., Shchuka, S.A., Zatsepin, A.G., Zhmur, V.V., Baranov, V.I., Korzh, A.O., Kondrashov, A.A., Podufalov, A.P., Shvoev, D.A., and Soloviev, V.A.</u>	Development of microstructure measurements meeting the Baltic Sea conditions.
30	15:30-16:00	Coffee break	
20	16:00-16:20	<u>Tarmo Kõuts, Svetlana Verjovkina, Priidik Lagemaa, Urmas Raudsepp</u>	Use of lightweight on-line GPS drifters for surface current and ice drift observations.
20	16:20-16:40	Albert J. Williams 3 rd	Current Measurements under Ice.
20	16:40-17:00	<u>Rivo Uiboupin</u> and Liis Sipelgas	SEA ICE MONITORING IN THE BALTIC SEA USING DUAL-POL C AND L BAND SAR DATA.
20	17:00-17:20	<u>Ove Pärn, Jari Haapala</u> and Liis Sipelgas	Leads as a natural fairways in Gulf of Finland.
20	17:20-17:40	<u>V. T. Paka</u> and V. M. Zhurbas	Measurements of turbulence in the zone of strong bottom currents in the Strait of Denmark.
180	19:00-22:00	Symposium Dinner at the restaurant "Ostas skati"	
FRIDAY, AUGUST 27, 2010			
30	9:00-9:30	Raimundas Jasinevicius	Why Today's Systems Theory Can't Cope with Global Environmental or Marine Systems Catastrophes and Crises?

Session C continued: ENVIRONMENTAL MONITORING TECHNOLOGIES			
UL main building, Raina blvd, 19, the Small Hall			
Chairs: Victor Klemas, Adolf Stips			
20	9:30-9:50	<u>Sven Anderson</u> , Rivo Uiboupin, Svetlana Verjovkina and Urmas Raudsepp	SAR imagery and Seatrack Web as decision making tools for illegal oil spill combating – a case study.
20	9:50-10:10	<u>Svetlana Verjovkina</u> , Urmas Raudsepp, Tarmo Kõuts and Kaimo Vahter	Validation of Seatrack Web using surface drifters in the Gulf of Finland and Baltic Proper.
20	10:10-10:30	<u>Villu Kikas</u> , Nelli Norit, Aet Meerits, Natalja Kuvaldina, Urmas Lips, Inga Lips	High-resolution monitoring of environmental state variables in the surface layer of the Gulf of Finland (during a dynamic spring bloom in March-May 2010).
20	10:30-10:50	<u>Zygmunt Klusek</u> , Barbara Swerpel, Agata Dragan, Joanna Szczucka	Ambient sea noise as the indicator of dynamic physical processes at the sea surface.
20	10:50-11:10	<u>Victor Alari</u> , Urmas Raudsepp and Ants Erm	Comparison of ADV measured near bed orbital speed and latter derived from wave gauge measurements in intermediate water depths.
30	11:10-11:40	Cofee break	
20	11:40-12:00	<u>Ants Erm</u> , Victor Alari, Fred Buschmann, Tarmo Kõuts, Urmas Raudsepp, Kai Loitjärv	Near bottom velocity and turbidity measurements in coastal waters of NW Estonia.
20	12:00-12:20	<u>Saulius Gulbinskas</u> , E.Trimonis, <u>Ilona Mineviciute</u>	Sedimentary fluxes in the marine-lagoon (Baltic sea-Curonian lagoon) connection.
20	12:40-13:00	<u>Sergej Suzdalev</u> , Saulius Gulbinskas	Assessment of sediment contamination using the Klaipeda Port monitoring data
60	13:00-14:00	Lunch	
60	14:00-15:00	Discussion on the issues of Monitoring techniques Moderators: Victor Klemas, Adolf Stips	
15	15:00-15:20	Symposium closing: Honorary chair, Symposium chairs	
<u>SATURDAY, AUGUST 28, 2010</u>			
	10:00-15:00	Cultural tour – excursion to the southern Latvia, visiting Bauska and Rundale Castles.	