

Advanced Research Workshop: Operational System in the Caspian Sea for the Protection of Infrastructures and the Environment - Ferrara (Italy) December 2 - 4 2009



December 2nd, 2009

Registration

Casa Giorgio Cini

Introduction

Organisation and Objectives of the workshop

1. Giuseppe Manzella

The Workshop background, organisation and objectives

Session 1

International programmes and initiatives promoting regional cooperation

Chair

Khalilov Sahib

Goals:

- Overview of the existing International programmes and initiatives promoting regional cooperation in the field of Marine meteorology and Operational oceanography
- User oriented initiatives: products and services

2. Sahib Khalilov

An introductory lecture on Caspian Sea environment

3. Alexander Postnov

International activities towards implementation of a Caspian regional environment monitoring system under the Tehran Framework Convention for the Protection of the Marine Environment of the Caspian Sea

4. Nadia Pinardi

The Operational oceanographic service in Europe and the case of the Mediterranean Sea

5. Atanas Palazov

International activities towards operational status of oceanographic services in the Black Sea

Session 2

Caspian Sea national marine observing systems – current status and future planes; the challenges and best practices in marine observations

Chair

Kortchev

Goals:

- Overview of the existing and planned national & international observation systems in the Caspian Sea (coastal manned & automatic meteorological stations, hydrological observations sites, anchored and drifting buoys and floats, river mouth observation stations, research vessels, satellite-borne sensors);
- Overview of nationally adopted observation practices (manual, guidelines).

6. Alexander Postnov

7. Sahib Khalilov

8. Stefano Vignudelli

The Russian national marine observing system at the Caspian Sea

Existing marine observation systems in Azerbaijan

Satellite radar altimetry for monitoring Caspian Sea level changes: lessons learned from the EU/INTAS ALTICORE project

December 3rd, 2009

Session 2

Caspian Sea national marine observing systems – current status and future planes; the challenges and best practices in marine observations (cnt)

9. Franco Reseghetti

10. Atanas Palazov

The SOOP monitoring system: achievements and problems

Bulgarian national operational marine observing system

Session 3

Caspian Sea national data management systems – current status and future plans; the challenges and best practices in marine data management systems

Chair

Stephen Miller

Goals:

- Overview of the existing communication channels and technical means for the data and product exchange inside each country and among the Caspian states;
- Overview of the products delivered to selected users;
- Overview of the existing services in support to the users.

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| <p>11. <i>Stephen Miller</i>
 12. <i>Stefano Nativi</i>
 13. <i>Sahib Khalilov</i>
 14. <i>Paolo Mazzetti</i>
 15. <i>Alexander Vorontsov</i></p> | <p><i>Information Preservation Throughout the Lifecycle of Interdisciplinary Projects</i>
 <i>Spatial data infrastructures for the Marine community</i>
 <i>Existing marine data management systems in Azerbaijan</i>
 <i>CDI/THREDDS Interoperability: the SeaDataNet developments</i>
 <i>Information System approach in WDCB</i></p> |
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Session 4 **Caspian Sea national marine forecasting systems – current status and future plans; the challenges and best practices in marine observations**

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| <p>Chair:</p> | <p>Nadia Pinardi
 Goals:</p> <ul style="list-style-type: none"> · Overview of the existing oceanographic models that can be used to forecast the marine environment; · Overview of the data flow from observation network to models and assimilation methods. |
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| <p>16. <i>Elena Ostrovskaya</i>
 17. <i>Alexander Postnov</i></p> | <p><i>Capacity development for operational systems of environmental monitoring</i>
 <i>The Russian national marine forecasting system at the Caspian Sea</i></p> |
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December 4th, 2009

Session 4 **Caspian Sea national marine forecasting systems – current status and future plans; the challenges and best practices in marine observations**

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| <p>18. <i>Sahib Khalilov</i>
 19. <i>Georgi Kortchev</i></p> | <p><i>Existing marine forecasting systems in Azerbaijan</i>
 <i>The Bulgarian national marine forecasting system at the Black Sea</i></p> |
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Session 5

Future actions towards improving the effectiveness and benefits of marine activities in Caspian Sea (round table)

Chair

Giuseppe Manzella

Goals:

- Overview of the workshop presentations;
- Strength and weakness of Caspian observing and forecasting systems with respects to GEOSS and GMES initiatives;
- Strength and weakness of Caspian information systems with respects to user needs;

20. *Hans Dahlin*

21. *Hester Viola*

22. *Massimo Busuoli*

Giuseppe Manzella

Another Story

Potential for developing marine observing systems in the Caspian area as part of WIGOS

Collaborations among Caspian Countries and EU

Synthesis of the workshop

Discussion