ODINECET (Ocean Data and Information network for the European Countries in Economical Transition) intends to create a network of marine libraries within the ECET region. Theoretically, ODINs are supposed to develop Data and Information management in different regions. The first stage of ODINECET focuses mainly on aquatic information management. So, according to the IOC Strategic Plan for Oceanographic Data and Information Management (2008-2011) we shall keep with recommendation 4.4 OceanDocs as follows:

- The objective of OceanDocs is to make publications of marine science and oceanography more easily and freely accessible to the ocean (and coastal area) research and management community, to enhance scientific cooperation communication at the regional level.
- OceanDocs enables researchers to deposit the full text of their works: articles, conference papers, technical reports, working papers, thesis and more. The information management and librarians of the participating institutes will help the researches with the submission of their publications.
- OceanDocs is a service to enhance scientific communication in marine science and oceanography and will not interfere with the classical book and journal publishing methods. Researches can publish in a scientific journal and at the same time submit their publications on OceanDocs.
- OceanDocs is being developed as a distributed network of national repositories, hosted by Member States, as well as regional or international repositories (e.g. Aquatic Commons developed by IAMSLIC) and others.
- Researches in development countries have a wealth of information available that often has not been published in widely available journals: e-repositories can be extremely powerful tools to expose this wealth. Capacity building to create the necessary expertise in all Member States to create institutional, national or regional e-repositories will be provided through ODINs.
- A second service to be further developed and expanded is OceanExpert: the global directory of marine and freshwater professionals, as well as OceanTeach development.
- Capacity building and sustainability are important aspects of the IOC Data and Information Strategy and IODE’s record on capacity building includes the building of ODINs in the regions.
2. Working plan for 2008-2011

Objective 1: Strengthening the networking of aquatic libraries in the ECET region

1.1 Equipment provision for the ODINECET project participants

- The state and needs of aquatic libraries were summarized and it was concluded that most of them need provision of technical equipment. Almost all the libraries have computers but they are very old and don’t fit to the up-to-date requirements. At present the EURASLIC Equipment Grants are used to help aquatic libraries in acquiring new equipment. Since a lot of libraries wish to be involved into the ODINECET repository project, a problem occurred in acquiring scanners suitable for the project requirements. Such scanners are not cheap and the EURASLIC financial support is not enough although it plans to allocate again some funds for Equipment Grants in 2008. That’s why we have to look for sponsors.

Actions: In cooperation with the IODE Project office to identify possible sponsors for technical supporting (computers, scanners and printers) to the aquatic libraries needed in such equipment. To prepare a project for providing scanners to the libraries which take part in the ODINECET repository project and to present it to EURASLIC. On behalf of the IOC/IODE to prepare a formal letter to the Institutional authorities in the ODINECET region, which libraries and information departments are involved in the Project, with the request to support them in implementing this project and in particular to supply them with contemporary technical equipment.

Deadline: 2008-2009

Budget: $ 5000 to provide up-to-date scanners for the libraries involved into CEEMaR project (Central and Eastern European Marine Repository)

1.2 Software for the e-catalogue

- The state of needs of the ODINECET aquatic libraries was analyzed and it was concluded that most of them need an universal system for connecting the e-catalogue to accessible searching through the Internet. Most libraries work either with commercially developed or commercially acquired software, but now these software are out of date and do not meet the contemporary requirements. The popular software in Russia and Ukraine, IRBIS, developed by GPNTB (Moscow), is a commercial product which is being continuously improved. However, it is practically impossible to acquire this software due to its high price. Moreover, IT specialists who can develop and maintain software for the ODINECET aquatic libraries are needed as well.

Actions: In cooperation with the IODE Project Office to appeal to the IT specialists who develop software for IOC with the request to help in developing an universal software for the libraries involved into the ODINECET project.

Deadline: 2008-2009

Budget: Should be identified by IOC/IODE Secretariat
1.3 Access to E-Journals

- The state and needs of the ODINECET aquatic libraries was analyzed and it was concluded that most of them need access to e-resources for free if possible. The situation with the free access to E-Journals and other e-resources is not bad in Ukraine. Ukraine has joined the group of countries that can use e-resources through the open access programs such as AGORA, HINARY, EBSCO, etc. The analysis of the Russian group shows that only 2 of 12 libraries have access to e-resources for free.

Actions: Identify the number of libraries which lack access to e-resources and in cooperation with the IODE Project Office establish contacts with AGORA, HINARY, EBSCO, etc. to ensure an access for marine librarians (within the framework of the ODINECET project) to marine related journals. Ask FAO to give free access to the ASFA database for the ECET marine libraries that are not ASFA centers.

Deadline: 2008-2009

Objective 2: To support the development of national aquatic information centers and national/regional projects

2.1 Identifying and involving new participants into the ODINECET Project

- ODINECET project is not enough promoted among the marine libraries and information centers in the ECET region, especially among the Russian aquatic libraries/information centers where there is a great potential for inclusion in the Project.

Actions: To strongly urge the National Representatives from the participating countries and activate the participants in the ODINECET project to provide detailed information about the ODINECET activities to the marine libraries in their countries and collect feedback about their state and needs.

Deadline: 2008

2.2 To continue with the development of the ECET Union Catalogue of Serials Project

- The project continues its development. At present 22 marine libraries from Russia, Estonia, Bulgaria, Croatia, Poland, Latvia and Ukraine are involved in the project. The project development was reported by the coordinator at the 12 EURASLIC conference held in Ukraine (2-4 May, 2007). The report could be viewed on the ODINECET web site [http://www.iode.org/odinecet/events/ukraine_course07.html](http://www.iode.org/odinecet/events/ukraine_course07.html) in English and Russian versions.

- A brief summary of the present state and proposals for the further development of the Catalogue were reported during the ODINECET MIM Training course (Oostende, 19-23, November, 2007). The report is to be put on the ODINECET web site.

Actions: To continue working on the project, inputting new data and involving new participants. To consider supplying the catalogue with foreign periodical titles being stored in the libraries of the ODINECET project participants.

Deadline: 2008-2011
2.3 Creation of ECET Institutional e-repositories and an ODINECET repository (Central and Eastern European Marine Repository (CEEMaR))

- One of the goals of the IOC Strategic Plan for 2008-2011 is creation of Institutional repositories as well as regional and international ones. The ODINECET project also provides for creation of e-repositories. In the first stage it was decided to create an e-repository at the Institute of Biology of the Southern Seas (IBSS, Ukraine). A special team of IT specialists was formed to work on data managing. The team has kindly agreed to include in their duties the e-repository creation. The work started in July, 2007. Today the IBSS repository is already created and the input of IBSS publications has commenced. There are 298 inputs by now. The web site is http://repository.ibss.org.ua/dspace/.

- ODINECET project task is e-repository creation for the participating ECET aquatic libraries. A test of the e-repository is planned for the ODINECET participants in the MIM training course.

- There were two training courses on creation of e-repositories. The first one was held in Crimea (Ukraine) back-to-back to the 12 EURASLIC conference (7-9, May, 2007). 12 aquatic librarians from Russia and Ukraine took part in that First Regional MIM training. Web page is http://www.iode.org/odinecet/events/ukraine_course07.html. The second one was held in Oostende, IODE Project Office (19-23 November, 2007) and was also devoted to the e-repository development.

**Actions:** To give an opportunity to the aquatic libraries and information centers involved in the ODINECET project which cannot create their own repositories to input publications of their institutes using the IBSS technical base. To create unified web interface for access to publications stored in the electronic repositories of the institutes involved in the ODINECET project. The name of the ODINECET repository is suggested to be Central Eastern European Marine Repository (CEEMaR). This system will be a harvester for the ODINECET repositories.

**Deadline:** 2008-2011

**Budget:** 500$ - installation and configuration of hardware. 100$ per month – for the Internet subscription. Total sum: 6500 $

2.4 Creation of regional training centers

- It is suggested to create training centers on the basis of advanced marine libraries in each ECET country/region with functions of organizing national training courses, seminars, individual consultations, etc., taking into account the language barrier.

**Actions:** To identify marine libraries from the countries involved for ODINECET training centers. To examine the technical equipment situation. To recommend to the responsible person to identify two candidates to be trained in the IODE Project Office. In cooperation with IODE Project Office to prepare instructors for such training centers. To ask IOC/IODE to include in its plan training courses for trainers.

**Deadline:** 2008-2011
Objective 3: Provision of training opportunities in marine information management, applying standard formats and methodologies as defined by IODE

3.1 The ODINECET MIM Training course (Advanced level) planning.

- According to the ODINECET project three training courses in MIM are planned. Two training courses (basic and intermediate level) have been already held. The third, an advanced one, is planned to be held in 2008 at the IODE Project Office.

Actions: To agree with the IODE Project Office on the date of the ODINECET MIM Training course (Advanced level). To identify and prepare topics for the training course.

Deadline: 2008

Budget: 40 000 USD Funding provided by the IODE Project Office (for a group of 15 participants)

3.2 ODINECET MIM Training course (Basic level) and the Russian ODINECET group meeting planning.

- An additional training on MIM (basic level) is provided for Russian and Ukrainian participants in the ODINECET project plan. The budget for this training was submitted at the XIX IODE Meeting, Trieste, Italy, 2007.
- At the first Regional MIM Training Course in Ukraine (Crimea, 7-9 May, 2007) the Russian participants suggested to hold a national meeting for other aquatic libraries in order to attract them to participate in the ODINECET Union Catalogue Project as well as other ODINECET projects.
- It was suggested to hold an additional MIM training course (Basic level) and a national meeting for Russian aquatic librarians at one and the same time. To be hosted by VNIRO (Russia). The proposal was submitted to IODE.

Actions: To agree with VNIRO administration on the opportunity to host both of these events. To identify the participants in the training course. To prepare and send information on ODINECET activities and the forthcoming meeting to the potential participants. To prepare a plan of the events and a training programme. To look for assistance from IODE Project Office.

Deadline: 2008

Budget: 6000$ 

3.3 Training trainers for national MIM training courses, applying standard formats and methodologies as defined by IODE.

- To prepare instructors for training as it is suggested in item 2.4 Creation of the regional training centers in cooperation with IODE.

Actions: The responsible person should identify two persons to be trained in the IODE Project Office. In cooperation with IODE to prepare instructors for national training courses. To ask IOC/IODE to include in its training plan training courses for trainers (one training course per year).

Deadline: 2008-2011
Budget: 40,000 USD Funding offered by the IODE Project Office in accordance with its budget and expenses provided for such purposes (for a group of 15 participants)

3.4 Organization of Regional and National training courses for marine librarians and information managers.

- On the basis of training centers established as it has been proposed in item 2.4 to organize regional training courses as well as individual consultations. These centers may provide special education for young librarians and information specialists in the ECET regions.

Actions: To recommend the National MIM Representatives to monitor the work of the national training centers, to assist in planning and organizing of training courses and to help in the search of funding (sponsors). To advise administrations on the importance of training and capacity building.

Deadline: 2010-2011

Budget: To determine financial support that could be given by IOC/IODE or other organizations (IAMSLIC/EURASLIC) and to report the result for approving at the XX Session of the IOC/IODE (2009)

Objective 4: Assist with the development and dissemination of aquatic information, responding to the needs of the scientific community

4.1 OceanExpert – promote the input of the ECET-data into the directory of marine and freshwater professionals

- The instruction for OceanExpert input is translated into Russian, sent to all ODINECET project participants and put on the ODINECET website. A note devoted to this initiative was prepared and submitted for printing in December 2007 to the “Marine Ecology Journal” (journal published by Institute of Biology of the Southern Seas (IBSS), Sevastopol, Ukraine). The information was also put on the IBSS website. The information was disseminated to marine and freshwater professionals in Ukraine.

Actions: To recommend the National MIM Representatives in the ECET region to promote OceanExpert and disseminate information to marine and freshwater professionals in their regions. To assist the scientists to input their personal data in the OceanExpert.

Deadline: 2008-2009

4.2 OceanTeacher – assistance in order to add the information (lectures) given at the regional training courses.

Actions: To recommend the trainers of the national and regional trainings in ECET regions to provide lectures in national languages for adding to the OceanTeacher website.

Deadline: 2009-2011

4.3 Assist IOC/IODE with appointment of new MIM National Representative from ECET region
• In 2007, a MIM National Representative from Russia was appointed. There is not yet MIM National Representatives from Poland, Croatia and Estonia.

**Actions:** Ask ODINECET project participants from Poland, Croatia and Estonia as well as EURASLIC members from these countries for assistance in attracting initiative librarians or information specialists for MIM National Representatives.

**Deadline:** 2009-2011

Plans might be revised during the project duration in relation with newly arisen user needs.

**BUDGET for PROJECT WORKPLAN 2008-2009**

<table>
<thead>
<tr>
<th>Action</th>
<th>Time &amp; place</th>
<th>Budget</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Equipment provision for the ODINECET project participants</td>
<td>2008</td>
<td><strong>5000 USD</strong> to provide up-to-date scanners for the libraries involved into CEEMaR project</td>
<td>Possible sponsor EURASLIC Equipment Grant</td>
</tr>
<tr>
<td>2. Software for the e-catalogue</td>
<td>2008-2009</td>
<td>Should be identified by IOC/IODE Secretariat</td>
<td></td>
</tr>
<tr>
<td>3. Creation of ECET Institutional e-repositories and an ODINECET repository (Central and Eastern European Marine Repository (CEEMaR)</td>
<td>Institute of Biology of the Southern Seas (Sevastopol, Ukraine) 2008-2009</td>
<td><strong>3000 USD</strong> (500$ - installation and configuration of hardware. 100$ per month – for the t-system support)</td>
<td>Possible sponsor IODE</td>
</tr>
<tr>
<td>4. Training in MIM (Advanced level)</td>
<td>IODE Project Office, Oostende, Belgium, Autumn 2008</td>
<td><strong>40 000 USD</strong> Funding provided by the IODE Project Office (for a group of 15 participants)</td>
<td>Possible sponsor IODE</td>
</tr>
<tr>
<td>5. Training in MIM (Basic level)</td>
<td>Russia, VNIRO, 2008</td>
<td><strong>6000 USD</strong></td>
<td>Possible sponsor IODE</td>
</tr>
<tr>
<td>6. Training trainers for national MIM training courses</td>
<td>IODE Project Office, Oostende, Belgium, 2009</td>
<td><strong>40 000 USD</strong> Funding provided by the IODE Project Office (for a group of 15 participants)</td>
<td>Possible sponsor IODE</td>
</tr>
<tr>
<td>7. IODE XX Session – participation of the project coordinator</td>
<td>2009</td>
<td><strong>1300 USD</strong></td>
<td>Possible sponsor IODE</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL 95 300 USD</strong></td>
<td></td>
</tr>
</tbody>
</table>