Training and capacity building proposal

The training and capacity building proposal of the European project CRIMARIO strives to meet the needs identified in the field of maritime data, in particular those of the maritime operational centres. However, training and capacity building sessions are open to all the agencies involved in the action of the State at sea, whether civilian or military.

The best trainees reach the level of trainer, offering thereby an educational autonomy of the beneficiary country. The participants are trained on free software or on software already endowed in the agencies (office software).

Training courses

They aim to train thoroughly officials in two areas:

- **Visualisation,** i.e. the extraction, the "cleaning", the enrichment and the presentation of data of maritime interest (3 on-site courses - 2 weeks, 2 weeks, 3 weeks, and 2 distance-learning courses of one month each).
- **Analysis,** i.e. the transformation of these data into elaborate and useful information as a decision-making tool (3 on-site courses - 2 weeks, 2 weeks, 3 weeks).

Visualisation is a technical field, while the analysis requires a more mature and a more extensive general knowledge. The visualisation specialists are called to work in the service of analysts. Of course, nothing prevents to acquire dual skills of visualisation specialist and analyst.

There are also courses that are not part of a curriculum, the first being courses for international liaison officers in maritime operations centres (fusion of information, operational coordination, conduct of operations).

CRIMARIO shall bear the preparation and conduct of training courses, including interpreting service when needed. Most of the beneficiary country's contribution is the provision of a classroom and the gathering of trainees.

Simulation exercises

The simulation exercises proposed by CRIMARIO aim to promote inter-agency coordination and regional cooperation related to the action of the State at sea, needed to achieve mastery of the maritime domain security.

They will consist of "paper exercises" lasting from 12 to 96 hours led by a team of animators from CRIMARIO, remotely by Internet and telephone or on-site in the recipient country. The centres or teams participating in the exercise react to a hypothetical operational situation created by the hosts, which can be a major marine pollution by hydrocarbons, a case of piracy and maritime terrorism, a case of human trafficking, or cases of drug trafficking for example. They give rise to a comprehensive debriefing, in writing.

Workshops

Workshops are intended for administrations wishing to be technically supported in the realisation of a concrete short term project (one to three weeks) aimed at responding to a technical problem identified in area eligible to the project.

« Visualisation of maritime data » curriculum

This course aims to give all the necessary skills to extract (from a file, from the Internet, from a database ...), clean, format, enrich and present data of maritime interest (on a spreadsheet, a graph, a map, a geographic information system ...). Participants can follow the facilitator's demonstration and repeat it live in the classroom (equipped with two video projectors) on their computer. The course is divided into three levels, the last being "trainer".
Level 1 and 2 courses include 10 days in the classroom with a written test, and 20 hours of E-learning with a written test as well. The trainer level course lasts three weeks.

« Analysis of maritime data » curriculum

This course aims to provide all necessary knowledge to become a competent maritime sector analyst. The analyst transforms data prepared by the visualisation specialist into value added information useful for decision making. After a quick overview of what can be requested from a visualisation specialist of maritime data processing, the participants are trained to make assumptions to explain facts or trends, and to undertake necessary tests and / or investigations in order to verify or invalidate their assumptions. Thereafter, they are trained in predictive monitoring methods (definition and implementation of indicators and rules of interpretation) in order to acquire the capacity to carry out a strategic analysis.
Finally, during the whole training, they acquire in-depth knowledge of the maritime domain in particular in the areas key to the role of an analyst (non-exhaustive examples: vessel documents, port information flows, merchant marine in the Indian Ocean). This in-depth knowledge of the maritime sector will hence allow them to rapidly identify any regular suspicious behaviour that is not motivated by the peaceful and legal exercise of a maritime activity.
The lectures and practical work are led by university lecturers and professionals of the maritime sector. Laptops are used during the full training.