



## ***JERICO Forum for Coastal Technologies***

### *Terms of Reference*

#### **1. Objectives**

- Provide a forum for the marine sensor user community and sensor industries to regularly exchange information about user requirements and technological developments
- Promote greater interaction between the scientific requirements and related market for marine sensors and equipment, including better feedback from users to makers on improved design for ease of use.
- Organize workshops where the industry get an idea of requirements for research and monitoring and where developers of new instruments can keep the community up to date on these new developments.
- Foster Small and Medium Enterprise (SME) attendance at the key JERICO workshops and summer schools.
- Conduct performance demonstrations, comparisons and evaluations of key sensing technologies in close cooperation with the Alliance for Coastal Technologies, (see [www.act-us.info](http://www.act-us.info) for more information)

#### **2. Methodology/roadmap**

On one hand, FCT should facilitate user feedback through activities that involve hands on demonstrations, where possible. On the other hand, there is a need to establish what companies currently deliver, what they are planning to develop, and what are scientist's needs and operational services (may differ from science and research). To fill this gap FCT will manage several kinds of activities:

- Set up and analysis of online survey to identify the needs and gaps
- Workshops Organization
- Set up of dedicated Web pages, including JERICO yellow pages, documents and information on FCT

- On line survey

The FCT will start by editing several online surveys. The first questionnaire is intended to survey sensor users about 'what they measure the most frequently, what are their needs and where are the gaps with the commercially available products on the market'. It will help to focus the FCT activities on selected parameters and sensors. After the first survey analysis, a second questionnaire will be



prepared and presented to both users (outside the JERICO consortium) and providers/manufacturers.

#### □ FCT Workshops

The FCT will organize 2 workshops that will be attended by private companies and users. The FCT could invite companies not involved in oceanography but which may bring a unique advantage to our community (eg. ICT and telecom companies).

- First JERICO FCT Workshop: Brest (France) 10th October 2012, along with the SEATECHWEEK event. This 1-day workshop will focus on oxygen and nutrients measurements: calibration procedures, deployments, maintenance, and robustness. Beside this first FCT workshop, a metrology experiment dedicated to the measurements of temperature, dissolved oxygen and salinity, will be organized in IFREMER facilities to calibrate sensors. It is proposed to compare calibration results in between JERICO facilities.

-Second JERICO FCT Workshop: second half of 2013. The content is to be defined according to the first workshop conclusions.

#### □ Web pages and Yellow pages

The FCT web pages will contain the description of the FCT activities, and documents made available for the user community. For instance, it can publish results after inter-calibration experiments, procedures for calibration and trials. This Web site can include public reports, databases for sensors and platforms. This web page would also help to identify the sensors market.

The FCT needs to develop the “yellow pages” concept pioneered in ESONET where our community can get a first full overview of all relevant sensor products available by:.

- asking the companies to provide summary information on their products. This may be done through inspection of their respective websites. The collected information should also concern range, precision, accuracy, maintenance and calibration issues. Sensors could be sorted into 3 main groups: physical, chemical and biological. These groups could then be subdivided with the parameters themselves : e.g. nutrients, Temperature and salinity, chlorophyll, turbidity, etc.

- providing some users feedback indicators (Contact Tamburri )

An online forum can be opened via Viadeo or LinkedIn social networks.

These activities will assist in establishing recommended standards with other JERICO WPs to define the JERICO label.