



PLACES

3rd Regional Science Cities Workshop



**CETMAR Presentation
Technologic Centre of the Sea
And Training Area:
Activity on science spreading**

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2011/07/07

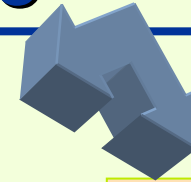
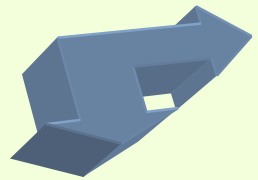
CETMAR: Objective

A more competitive maritime and fishery sector



- **Coordinating** the institutions implicated on **research and technologic development.**
- **Involving private institutions** in development and innovation activities.
- **Reference point and assessment**

CETMAR: Patronate



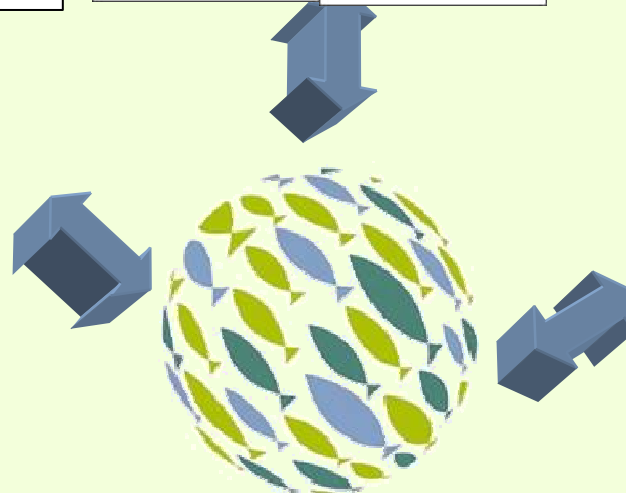
ENTREPRISES

ENTREPRISES ASSOCIATIONS

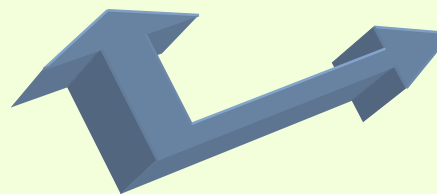
COFRADIAS (fishermen guilds)

ASSOCIATIONS AND DE PRODUCERS ORGANISATIONS

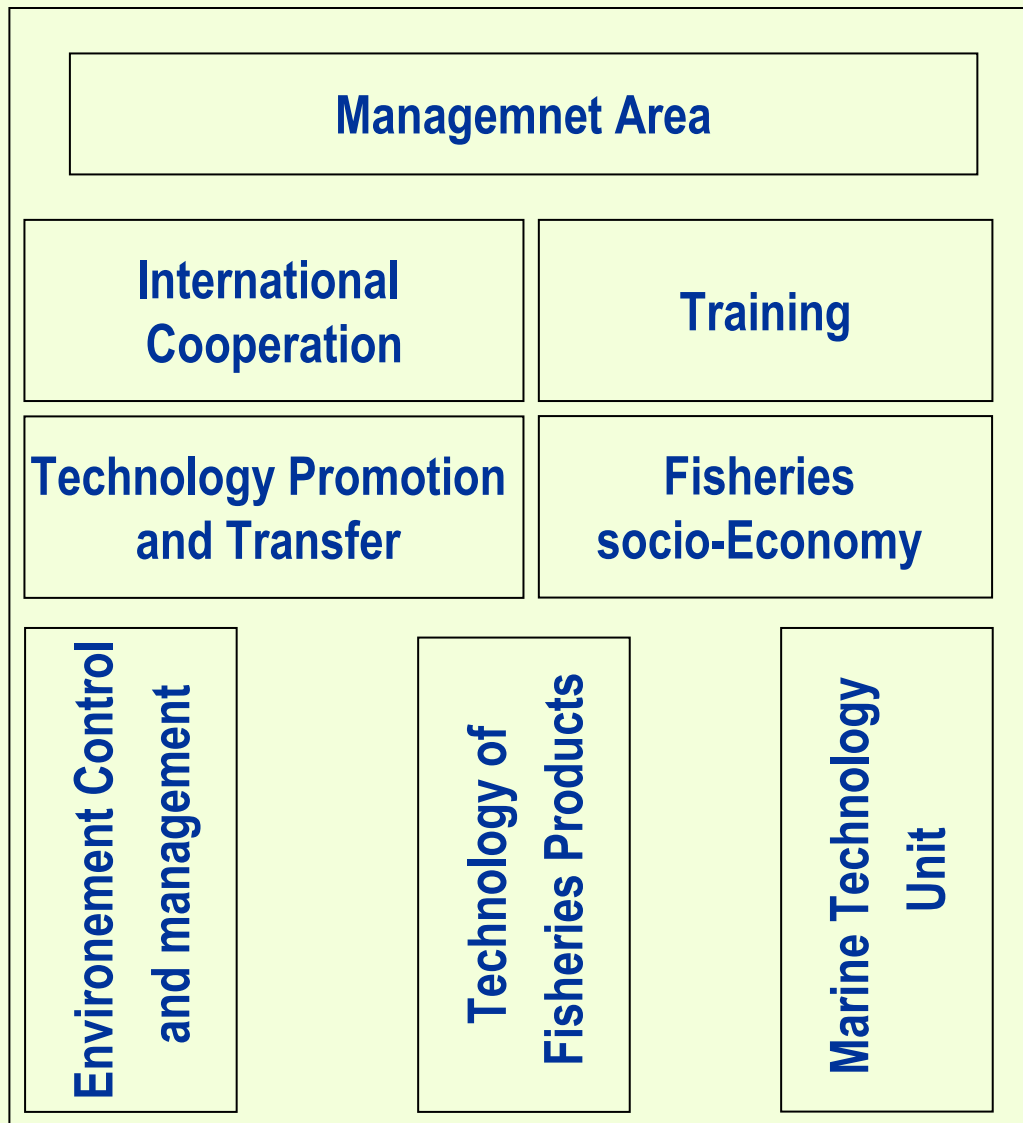
OTHER CENTRES AND ORGANISATIONS



CENTRO TECNOLÓGICO DEL MAR
FUNDACIÓN CETMAR



CETMAR: Working areas and services



Assessment for project preparation

Information services and studies

Training

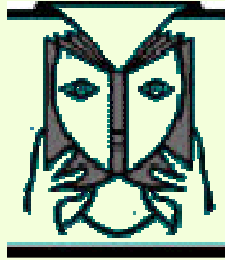
Events: organisation and promotion

On-line services development.

Services for the Administrations

(Oceanographic calibration services)

Strategy



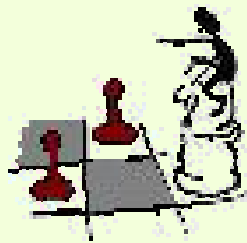
NEEDS DETECTION:

Permanent training and information
Sector queries: formal and non formal



SEARCHING RESSOURCES:

Financial
Experts and trainers



COORDINATION:

Link: resources - needs
Activity management

“We do not know too much of any subject, but we know who are the spetialists in each subject, and who needs the knowledge”

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TRAINING AREA: Tasks

MARITIME TRAINING:

Courses Organization

Training Planning

Training Courses for enterprises

Training Courses oriented to collectives in risk of social exclusion

STUDIES AND TRAINING MATERIAL: related to maritime sector training

SCIENTIFIC SPREADING: social communication activities about sciences of the sea; training of trainers and didactic resources.

Week of Science (since 2003)

15 days in november. Activities aimed at teachers in primary and secondary schools.



Educational tours with visits to companies of the maritime sector; workshops; Exhibition on maritime technologies...



Since 2008 all small activities and projects are grouped on the “Galicia and the Science of the Sea Platform”

DIVE INTO SCIENCE (night of researchers 2006)

**Friday afternoon (09/21) from 20:00 to 24:00 in 20 EU cities.
800 assistants in Vigo at the Sea Museum**



In a market place atmosphere, the public participated in

14 “hands-on” experiments;
interactive workshops with
researchers, a cocktail with food
from the sea, etc...

Vigo Partners: CETMAR, Museo
del Mar de Galicia, IIM-CSIC,
Universidad de Vigo and CEMMA,
Consellería de Industria

Efervescencia na Praia (Effervescence on the beach) 2008

Saturday to Tuesday on the beach from 10:00 to 20:00 in 4 places (Galicia). 5.000 assistants



Interactive workshops explaining the each from a scientific point of view, and also with fun.

On Sunday, the regional radio program Efervescencia is recorded from the beach.

Realisation: AOG, IIM-CSIC, CETMAR

Financiación: FECYT, Caixa Galicia, Consellería de Desenvolvemento Sostenible, Consejería de Pesca y Asuntos Marítimos

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Galicia and the sciences of the sea platform (since 2008)

www.galiciaeascienciasdomar.org

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- Recopilation of training material to teach sciences of the sea: documents (references)
- Links to external resources: links
- Interactive activities: experiments, training units...
- Coordination of motivational activities (periodic)



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GALICIA E AS CIENCIAS DO MAR



¿Sabías que...

...algúns animais mariños poden camuflarse porque teñen unhas células pigmentadas, chamadas cromatóforos, que cambian de cor?

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Presentación

O concurso "Galicia e as ciencias do mar" 2010-2011

As demostracións de experimentos dos Doutores Octo e Medusa

As representacións de Marusía

Patrocinadores

Formularios

Enlaces

Documentación

O concurso "Galicia e as ciencias do mar" 2007-2008

PREME AQUÍ

Descubre o laboratorio da Dra. MEDUSA e participa



Queres mergullar con nós no coñecemento dos fondos mariños?

- Buscamos os mellores experimentos para explicar as ciencias do mar. Xuntádevos 3 estudantes e 1 docente para presentar 1 proxecto; hai moitos premios en xogo!
- Descubre o laboratorio da Dra. Medusa, e participa nos seus experimentos interactivos.
- En outubro e novembro de 2010 imos ao teu Centro de Ensino; solicita a túa visita a través dos formularios. Para os máis cativos, a representación de monicreques Marusía (infantil). E para primaria e secundaria o Dr. Octo e a Dra. Medusa realizan uns experimentos.

A marea baixa está moi viva



Motivational activities (since 2008)

5 to 10 years: a puppet representing the adventures of Marusía.

This show raises one reflection of the problems that suffers the sea and the importance of research for its conservation and management.

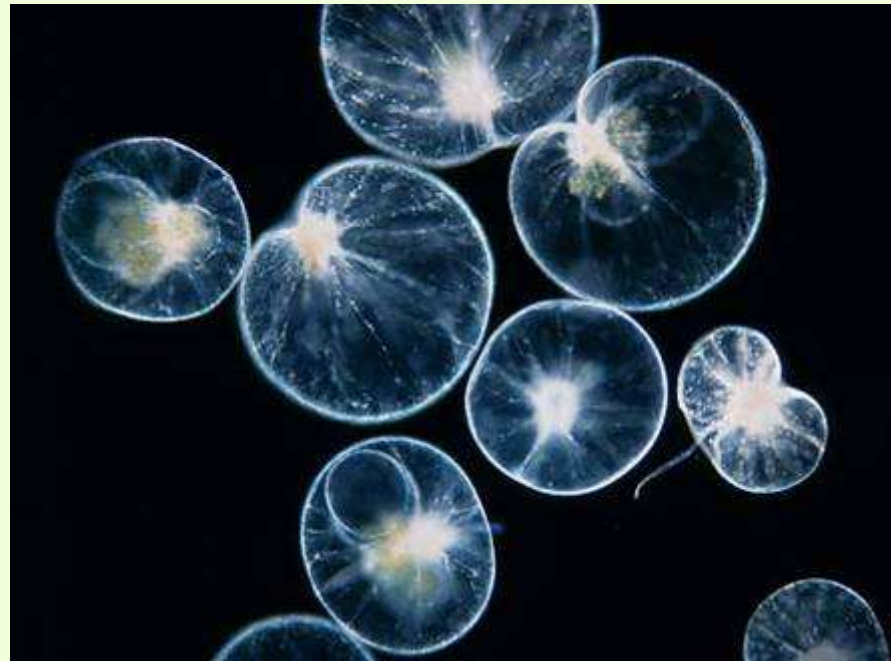


8 to 18 years:

1- workshops, demonstration experiments to explain the science of the sea.

2- Invitation to participate on the experiment design competition

An example of our training resources



Trailer of the NOCTILUCAS video that explains the advantages of phosphorescence for the plankton (and natural selection).
Produced by the DIVULGARE team, from Vigo University.
Original soundtrack from Remolca-Madriña group (Vigo)
<http://vimeo.com/15559591>

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**Thank you for your
attention!!!!**



<http://www.cetmar.org>

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