



## SPICOSA EDUCATION AND TRAINING NETWORK SETNET

[Online Data Portal](#)
[Coastal Wiki](#)
[Kercoast](#)
[Simulation](#)
[Internal](#)

**Welcome** to the fifth and final newsletter of the SPICOSA Project's Education and Training Network for Coastal Management academics and professionals.

The SPICOSA project will come to an end in the next 5 months, therefore we would like to take this opportunity to congratulate SPICOSA partners on their efforts over the last three and a half years to develop and integrate the Systems Approach Framework into academic and professional practice.

For those directly involved in the project, there may be memories of the sometimes difficult times when partners wrestled to form common perceptions, as well as invaluable lessons learned from others' SSA experiences.

Hopefully, SPICOSA partners will agree that although the road through the project was occasionally a rocky one, it has brought us collectively to a new place, and inspired us to explore further.

Although FP6 funding for the project will cease, the SETNET network will continue via EUCCs e-platform, so we look forward to continuing our dialogue.

### What's New?

This edition places a special emphasis on the long term sustainability of SPICOSA developments and asks partners to consider their role in ensuring the survival of the Systems Approach Framework. The newsletter addresses:

1. What the SAF (Systems Approach Framework) means for ICZM
2. How we can take the SAF forward and implement it into ICZM
3. WP12's Academic activities
4. WP13's Professional Training activities
5. Summary of some of the latest education and training opportunities listed on the SETNET website.



### UPDATE ALERT.....

**This will be the last SETNET newsletter as the SPICOSA project comes to an end. Congratulations on your efforts and thank you for your co-operation!**

**To be at the forefront of education and training in coastal management, go to the SETNET homepage: <http://www.spicosa.eu/setnet/index.htm>**



SPICOSA EDUCATION AND TRAINING NETWORK

SETNET

[Online Data Portal](#)[Coastal Wiki](#)[Kercoast](#)[Simulation](#)[Internal](#)

## What the Systems Approach Framework Means for Integrated Coastal Zone Management?

The Systems Approach Framework developed under the SPICOSA project has contributed to effective coastal management and specifically to ICZM. Acting in a multi-disciplinary way, the SAF brings together tools and concepts from a broad range of sectors to bridge the gap between academia and professional coastal practice, by developing capacities in systems thinking for coastal assessment practice.

In Europe, the current ICZM focus is arguably on 'principles' of good management encouraging approaches which are more holistic, participatory, long-term and adaptive. Whilst the SAF study sites were not ICZM projects themselves, they aimed to develop science which could integrate with such an approach.

A lessons-learned scoping study was carried out in February 2010 to establish the contribution of the SAF to ICZM in SSAs. Four sites were reviewed.

Two of the four study sites had a pre-existing ICZM group, although all sites agreed that no single authority was responsible for ICZM and that the remits and hierarchies of organizations involved were complex and confusing. (The lack of clarity about which organisations are responsible for which activities, was particularly amplified at cross-border study sites).

In those study sites where there were pre-project ICZM activities, this provided a platform for further engagement with practitioners and exploration of SAF results.

Certain elements of effective ICZM practice have been positively influenced by the SPICOSA SAF. The SAF is particularly supportive of improving comprehensive understanding of marine and terrestrial interactions; improving understanding about sustainability trajectories; using long term environmental cycles and improving co-operation. More specifically:

- **three sites of the four confirmed that there is a better understanding of marine and terrestrial interactions after undertaking the SAF;**
- **three sites confirmed that SAF activities have improved understanding about sustainability trajectories;**
- **three sites used long term environmental cycles, but all acknowledged that it is difficult to incorporate long term economic cycles;**
- **co-operation has been improved at all study sites, including that between scientists and stakeholders, but also between different groups of scientists across disciplinary boundaries.**

The important contribution of the SAF is in providing a methodology which supports these approaches, rather than simply assenting to the principles of ICZM but taking no practical action.

For more information, please contact:  
Dr Timothy Stojanovic,  
University of St Andrews, Scotland, UK,  
Email: [timothy.stojanovic@st-andrews.ac.uk](mailto:timothy.stojanovic@st-andrews.ac.uk)





SPICOSA EDUCATION AND TRAINING NETWORK

SETNET

[Online Data Portal](#)[Coastal Wiki](#)[Kercoast](#)[Simulation](#)[Internal](#)

## How To Take the Systems Approach Framework Forward and Implement it into ICZM?

As SPICOSA draws to an end, the long term sustainability of the Systems Approach Framework should be considered. The SAF has the potential to change the face of ICZM, although it is important to ensure skills, knowledge and experiences are not lost once project funding ceases.

Node 5 has specifically developed teaching materials that can be used as standalone or complementary course materials for coastal management Masters programs. These packages include both theoretical and practical aspects of the SAF, for example, use of stakeholder mapping, deliberation-support tools and mathematical modelling.



*Training of Trainers event, Stockholm, November 2009*

In addition, training materials in the form of module outlines, powerpoint presentations, workshop exercises and video footage of training sessions have been made available on the SETNET website. This website is fully accessible to the public, and so materials on it are freely available to anyone with an interest in systems approaches in coastal management.

The challenge now is to cascade learning to the wider, non-SPICOSA community, through information sharing and exchange. This may be most effective through a range of media, for example, through formal academic literature or through informal discussion.

- ➔ **Further incorporation into academic courses**
- ➔ **Further incorporation into professional training activities**
- ➔ **Continued use of Systems Approach knowledge, skills and experiences**
- ➔ **Inclusion in scientific literature**
- ➔ **Cascade to the wider coastal management community through information exchange**

### *The Future of the SAF?*

Although SPICOSA funding is coming to an end, this could be just the beginning for Systems Approaches in coastal management. We ask for your help in spreading the word about what you have learned and continue to use the tools you have acquired through the project.

Once SPICOSA funding has ceased, SETNet will continue to be available from EUCCs e-platform. We look forward to seeing you there!

For more information, please contact:  
Dr Jeanette Reis,  
WP13 Professional Training,  
Cardiff University.  
Email: [ReisJ@cardiff.ac.uk](mailto:ReisJ@cardiff.ac.uk)



## SPICOSA EDUCATION AND TRAINING NETWORK SETNET

[Online Data Portal](#)
[Coastal Wiki](#)
[Kercoast](#)
[Simulation](#)
[Internal](#)

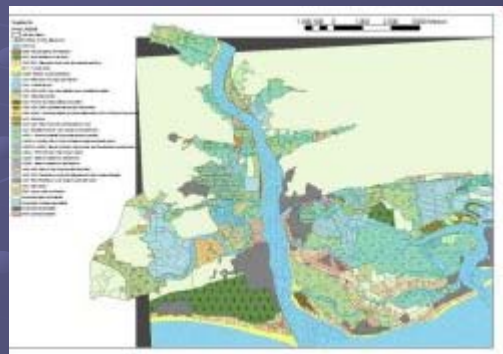
### A summary of SPICOSA WP12 Academic Education Activities

2010 has been a busy year for academic activities in the SPICOSA project. Following a significant preparation and exploratory research, WP12 completed the teaching package which summarises the main elements of the SAF, gives examples of where it has been applied and explores where it could be applied in the future.

The teaching package has now been delivered in Cadiz, Spain, as a Master's level module incorporated into the European Joint Masters in Water and Coastal Management. It was delivered by Plymouth University's Chris Lowe and was combined with a field trip to SPICOSA's Guadiana SSA, organised by John Icely.



*Aerial map of the Guadiana Estuary*



*Vegetation map of the Guadiana Estuary*

#### ***"a legacy for the SPICOSA project".***

The teaching package template, which will shortly be made available on the SETNet website, allows a lecturer to tailor the teaching material provided to his or her requirements, being scalable from a two hour overview lecture to a full module, including lectures, role play and fieldwork.

The teaching material will continue to be made available after the completion of the project, supported by the SPICOSA's SAF website, to provide a legacy for the SPICOSA project, teaching its methodology to a new generation of coastal managers.

For more information, please contact:  
Chris Lowe,  
WP12 Academic Education,  
University of Plymouth, UK.  
Email: [christopher.lowe@plymouth.ac.uk](mailto:christopher.lowe@plymouth.ac.uk)





## SPICOSA EDUCATION AND TRAINING NETWORK SETNET

[Online Data Portal](#)
[Coastal Wiki](#)
[Kercoast](#)
[Simulation](#)
[Internal](#)

### A summary of SPICOSA WP13 Professional Training Activities

Over the course of the project, WP13 successfully produced a series of workshops and training events on the Systems Approach Framework for use in coastal management. Two SSA were selected to pilot these workshops, Cork Harbour, and Gulf of Gdansk, which took place in June and October 2008 respectively. These workshops were designed with the aim of facilitating understanding of the practical application of the SAF. The content covered systems approaches in coastal management, enhancing knowledge of causal linkages, economic and social analyses, simulations and technical support. Prior to workshop design, a virtual workshop was held in January of the same year.

Both courses were delivered by ENVISION, a UK based coastal management professional training consultancy, in collaboration with the lead organisation of each SSA. An evaluative feedback questionnaire was completed by attendees for continual improvement to future events. The course structures, modules and outcomes can be accessed via the SETNet website, and WP13's deliverable reports (13.1-13.8).



Pertuis Chantais SSA, France.

A further "Training of Trainers" workshop was held in Stockholm in November of 2009. Again, all presentations, video footage, modules and reports can be accessed via the SETNET website.

It is intended that these materials can be used as a basis for developing SAFs across the wider community.



SSA2 Gulf of Gdansk system formulation

Knowledge cascade is one of the key activities that will support long term sustainability of the Systems Approach Framework. We encourage you as SPICOSA partners to continue to apply systems approaches to coastal management in your regions, and to facilitate the spread of the knowledge you have acquired into the wider non-SPICOSA community.

For more information, please contact:  
Tara Thrupp,  
WP13 Professional Training,  
Cardiff University.  
Email: [ThruppT@cardiff.ac.uk](mailto:ThruppT@cardiff.ac.uk)



## SPICOSA EDUCATION AND TRAINING NETWORK SETNET

[Online Data Portal](#)

[Coastal Wiki](#)

[Kercoast](#)

[Simulation](#)

[Internal](#)

### Education and Training Opportunities

<u>Date</u>	<u>Course</u>	<u>Deadline</u>	<u>Country</u>
27/10/2010-30/10/2010	3 <sup>rd</sup> International Conference on the Management of Coastal Recreational Resources	September 2010	ITALY
24/11/2010-26/11/2010	EUCC conference on Science and Coastal Management	Open	NETHERLANDS
Annual intake Commences September	European Masters in Water and Coastal Management	Awaiting	UNITED KINGDOM
12/06/2011-16/06/2011	International Symposium on Integrated Coastal Zone Management	Open	NORWAY
01/09/2011 Generally completed in 18 months	Masters in Coastal and Marine Management	05/06-2011	ICELAND
Annual intake September	MSc Integrated Coastal Zone Management	Open	UNITED KINGDOM
July and August 2011	Coastal and Marine Management (3 week courses)	May 2011	ICELAND
06/09/2010-26-07-2013	BSc Marine Geography	27/08/2010	UNITED KINGDOM