



Welcome to the fourth newsletter for the SPICOSA Project's Education and Training Network for Coastal Management Professionals and Students.

What's New?

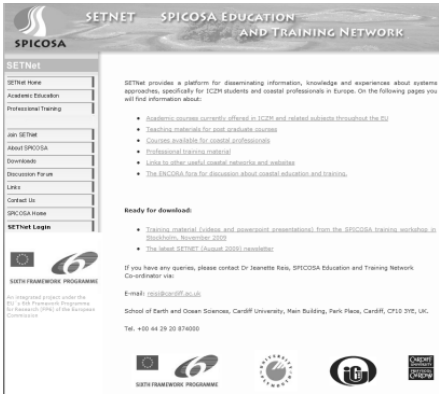
After the two pilot workshops in Cork (June, 2008) and Gdansk (October, 2008), the SPICOSA Professional Training implemented a training for trainers in Stockholm on last November. The newsletter places a special emphasis on this workshop and includes:

1. Letters to the Editor
2. An update on the latest additions to the SETNET website
3. An overview of the recent SPICOSA training workshop in Stockholm, Sweden
4. An article about the integration of social processes into the SAF (System Approach Framework)
5. Education activities in SPICOSA
6. An article addressing the SPICOSA Education and Training Legacy
7. Summary of some of the latest education and training opportunities listed on the SETNET website

✉ Johanna D. wrote to us from Brussels... ✉

Once upon a time in November 2009, brave Training representatives gathered in the darkness of Stockholm. They came to master the difficult art of presenting the System Approach Framework (SAF) to their local decision makers. Champions of the Systems Approach shared their faith in the SAF to improve to the future of coastal areas. Group discussions and exercises also helped us to take a step back, confront the SAF with the ICZM framework and evaluate the methodology. The presentation of the implementation of the SAF in the Swedish Study Site Application (SSA) brilliantly helped to consolidate the Social, Ecological and Economic dimensions of systems. The results of this workshop will help nourish the development of a training package which will help our SSAs empower themselves and fulfill their quest: to cascade the SAF!

The SAF is SAFe!



SETNET Homepage
<http://www.spicosa.eu/setnet/index.htm>

UPDATE ALERT.....
 Take a look at the training material from the Stockholm workshop which was held in November 2009. Downloads are available from the SETNet website.
www.spicosa.eu/setnet/professional-material/index.htm

To be at the forefront of education and training in coastal management, go to the SETNET homepage: <http://www.spicosa.eu/setnet/index.htm>
 Or contact Dr Jeanette Reis, SETNET Co-Ordinator. School of Earth and Ocean Sciences, Cardiff University, Main Building, Cardiff. CF10 3YP. UK. Tel. 00 44 29 20 874 000. E-mail: reisj@cardiff.ac.uk



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“Improving ICZM using a System Approach” Stockholm, Sweden, 24-25 November 2009

Stockholm University hosted a 2-day SAF Training of Trainers Workshop “Improving ICZM using a System Approach”, 24-25 November 2009.

SPICOSA Work Package 13 (Professional Training) organized in cooperation with Stockholm University, the SAF Training of Trainers Workshop, especially design for the Study Sites Application (SSA) Training Representatives and all interested in developing SPICOSA training skills. The overall aim of training was the presentation to the SPICOSA community the professional training course module, accompanied by training of trainers and supporting educational materials. The SAF Professional Learning Module has been designed, as a background methodology to support implementation of the SAF training courses in SPICOSA SSAs.



Group session in Stockholm, Nov. 2009

The training sessions were introduced by presentations on social, ecological and economic dimensions of the SAF, undertaken by SPICOSA experts and the hosting Swedish Himmerfjärden (SSA4) Team. Participants could benefit from the other groups (work packages) findings on social, ecological and economic dimensions in the SAF, as well as the experience on how to improve the science-policy interface via integrated SAF implementation (based on the Swedish case study).



The Himmerfjärden coastal zone (SSA4)

The Training of Trainers Course was led by Martin Le Tissier and Jeremy Hills of ENVISION. The course materials were partly introduced during the pilot workshops in Cork (June, 2008) and Gdansk (October, 2008). The Stockholm training course included 4 interactive exercises followed by summary sessions and discussion. These included the following group exercises:

- SWOT analysis of managing coasts using a SAF framework
- Assessment of SAF against EU evaluation criteria
- Application of the SAF to Integrated Coastal Management barriers
- Looking forward to better and more effective coastal management

The Training of Trainers Workshop involved 25 participants (including presenters and trainers) from 6 SPICOSA SSAs. As an outcome of the workshop the Training Pack will be provided to all interested SSAs, to support cascade workshop activities within SPICOSA study sites. The Training Pack will also be available from the SETNet website (Professional Training section).

Workshop organisers would like to thank participants, trainers and all presenters for their contribution. For more information contact Hanna Ladkowska (oehl@ug.edu.pl), Jakob Walve (jakob.walve@ecology.su.se), Jeanette Reis (reisj@cardiff.ac.uk), ENVISION (j.hills@envision.uk.com, m.le-tissier@envision.uk.com).



Integration of social processes into the SAF: myth or reality?

Coming back to the integration of social processes within the System Approach Framework implementation

Social and at a lower degree economic processes were felt difficult to integrate into the SAF and especially to be translated into Extend software. But as underlined by Loraine McFadden during the last professional training event in November 2009 in Stockholm: the "real world" of ICZM is a social world, where stakeholders debate and negotiate values, purpose and approaches to coastal management.

Social processes cannot be solely reduced to the deliberation step, as a practical way to work off the issue. In the same way, the purpose is of course not to reduce social processes to quantitative objects such as the employment rate or distribution of added value in the economy. In-between there's place for a relevant integration of social processes.

SPICOSA deals with Sciences and Policy integration: integration of knowledge between stakeholders, decision makers, policy makers and scientists, but also between scientists. Regarding the first of these, it should be seen in terms of exchange, and not as a one way delivery of knowledge to society. Taking into account local or native knowledge would also help in integrating the social dimension of the SAF. Regarding the integration between scientists, lessons from SAF implementation teach us that it is maybe the most difficult to achieve. Difference of scales, difference in addressing an issue, difference of language and concepts made creation of a mutual understanding a challenge.

Systems were often designed in a physical way when social and economic boundaries are often not physical. That makes the social system difficult to superimpose on the ecological map. As a consequence it also turned into a challenge to avoid a bio-economic approach. A **truly** interdisciplinary CORE scientific team, integrating social scientists at all steps, is crucial to overcome this difficulty.



A SAF prototype designed in Plymouth on September 2007: systemic representation of a lagoon eutrophication

Facing difficulties in designing and formulating social processes, a number of SSAs jumped into Extend™ believing the tool would answer questions. However, many got into trouble with answering to the problem oriented approach and looking for the "hidden" dynamics of the system and the missing Feed Back Loop. Keeping in mind the integrated ESE approach (why cut in small pieces an already integrated system?) and introducing the governance or decision making system often leads to a clearer understanding of the dynamics of a system, than an analysis of the physical elements of a system in isolation.

Coming back to previous steps (Design, Formulation...) in order to fix these troubles is often felt as a failure by SSAs. But this is the normal process of the SAF, being iterative by nature. There was also no clear understanding of the SAF approach as it was developed in parallel. It took time to integrate this new conceptual framework and made it difficult to explain it to stakeholders. But again it was a normal iterative learning by doing process. Design step and institutional mapping should be revisited with these new eyes.



The SAF is an iterative process

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Education activities in SPICOSA

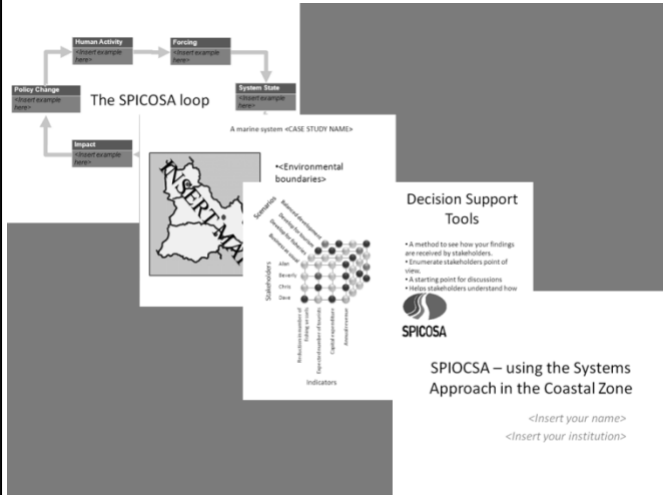
Work package 12 continues to develop educational materials based on the SPICOSA methodology. A curriculum has been developed for a full Master's programme which incorporates modules based on the SAF has been externally reviewed. This module will be delivered in full for the first time in Cadiz, Spain during April 2010.

Shorter introductory lectures and field trips have been run in Plymouth and Faro and template material for these lectures and exercises will be released to SSAs in March 2010, with four SSAs planning to make use of these materials in this academic year. Resultant feedback will be incorporated into these lectures to improve the material.

SPICOSA as a project now has 18 well developed case studies in the SSAs, which we hope will be easy to incorporate into these teaching materials and could potentially be released as 'filled in templates' for those unable to make use of local case studies in their teaching.

In addition to development of materials, eight master's students at the University of Algarve have undertaken projects based on the SAF. In April members of WP12 will be helping to mark these projects, which will hopefully give some useful insights into the SAF process from those outside of the project.

In the final period of the project WP12 will concentrate on developing and providing templates of didactic academic material online. Crucially, we will advertise these materials to ensure that the SSAs and their contacts outside of the project are aware of their existence, insuring that they will continue



Some examples of template slides in the WP12 academic lectures

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The SPICOSA Education and Training Legacy....

As SPICOSA comes to an end, we should begin to think about the legacy that we as researchers, academics and coastal management practitioners can leave behind. What have we learned so far in SPICOSA, both in terms of theory and in practical application, and how can we best cascade this to wider society? In particular, how can we embed systems approaches in coastal management education and eventually into management practice?

Node 5, responsible for academia and training, asks all SSAs to consider their contribution to this legacy. In essence, this means EITHER delivering an academic lecture OR a training event for professionals.

An academic lecture might be just one or two hours long, while a training event might be anything from 2 hours to 2 days long. It really is up to SSAs, depending on the expertise and resources available.



Dawlish Warren, Devon, UK

Supporting materials and advice are available from Node 5. Additional information, including videos and PowerPoint presentations from previous education and training events can also be downloaded from the SETNET website:

<http://www.spicosa.eu/setnet/index.htm>

Of particular use, might be the training pack being produced by Envision (due to be completed in March 2010) which contains copies of PowerPoints, videos and speakers notes from the successful Stockholm training event which was held in November 2009. SPICOSA Workpackage leaders gave comprehensive overviews of ecological, social and economic aspects of systems approaches and how they have been incorporated at study sites.

EITHER deliver an academic lecture

OR....

a training event for professionals.

Let's not waste the resources, time and effort that have gone into SPICOSA. Go on, make your contribution to improving ICZM using a systems approach and help build capacity for effective coastal management in Europe. Make this your legacy, your contribution, and do your bit to influence the activities of future generations!

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Education and Training Opportunities

<u>Date</u>	<u>Course</u>	<u>Deadline</u>	<u>Country</u>
01/09/10 - 01/07/12	MSc Water and coastal management	15/07/10	GERMANY
09/10 - 11/10	UNESCO-IHE Institute for Water Education Online and Short Courses	01/07/10	NETHERLANDS
28/04/10 - 29/04/10	CIWEM Annual Conference 2010 - Water and the Global Environment	27/04/10	UNITED KINGDOM
07/06/10 – 25/06/10	Coastal Adaptation to Climate Change Course	01/05/10	UNITED STATES
annual	Master's Program in Coastal and Marine Management	15/04/10	ICELAND
23/06/10	Water Framework Directive - Lessons and Next Steps	22/06/10	UNITED KINGDOM
25/07/10 - 01/08/10	Coastal Zone Management	16/07/10	UNITED KINGDOM
06/09/10 - 26/07/13	BSc Marine Geography	27/08/10	UNITED KINGDOM

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