PEGASO Hands-on Training:
Introduction and implementation of Spatial Data Infrastructures (SDI's)

WP3: Training on the SDI, 22 – 25 October 2012

UNESCO/IOC Project Office for IODE

Wandelaarkaai 7/61,

B-8400 Oostende, Belgium

Agenda

MONDAY, 22 October 2012 – Introduction

09:00 – 09:20	Registration
09:20 – 09:30	**Welcome** *Claudia Delgado (IOC Project Office for IODE)*
09:30 – 10:30	**General introduction to SDI's** **What is a SDI= Components, benefits and challenges** *Prof Dr. Gonzalo Malvárez (UPO)*
10:30 – 11:00	Coffee break
11:00 – 12:30	**The PEGASO SDI: the why, how, what and a demonstration** *Juan Pedro Pérez-Alcántara (UPO)*
12:30 – 13:30	Lunch
13:30 – 14:15	**SDI's basic Services and functionalities: Discovery, View, Download, Processing** *Juan Pedro Pérez-Alcántara (UPO)*
14:30 – 15:15	**Case study of SDI's focusing on the functionalities, basic technologies and standards used (ISO standards, OGC Standards, INSPIRE...)** **The EnviroGrids SDI** *Prof. Dr. Anthony Lehman (UniGe)*
15:15 – 15:45	Coffee break
15:45 – 16:30	**Case study of SDI's focusing on the functionalities, basic technologies and standards used (ISO standards, OGC Standards, INSPIRE...)** **The ICAN SDI, the International Coastal Atlas Network** *Dr. Yassine Lassoued (ICAN)*
16:30-18:00	Welcome reception and free evening

TUESDAY, 23 October 2012 – Configuring partner's environment

09:00 – 10:30	**Introduction to GeoNetwork Catalogue and CSW** **Installing an adapted version (to PEGASO) of the GeoNetwork software** *Yassine Lassoued (ICAN)*
10:30 – 11:00	Coffee break
11:00 – 12:30	**Introduction to GeoServer, WMS and WFS** **Installing Geoserver and activating WMS, WFS and other services** *César Martínez (UAB) & Jorge López Pérez (UAB)*
12:30 – 13:30	Lunch
13:30 – 15:00	**Practical exercise** **GeoServer publishing** **Publishing WMS, WFS and WCS layers. Styling WMS layers. Additional options.** *César Martínez (UAB)*
15:00 – 15:30	Coffee break
15:30 – 17:00	**Discussion on** **Data harmonization of selected spatial indicators for ICZM in the Mediterranean** *Chaired by Prof Dr. Gonzalo Malvárez (UPO)*
19:00	Dinner at seaside of Oostende

WEDNESDAY, 24 October 2012 – Using and sharing data

09:00 – 10:30	**Using data from different SDI's for your own GIS application** *Nathalie De Hauwere (VLIZ)*
10:30 – 11:00	Coffee break
11:00 – 12:30	**Guidelines for publication and data harmonization PEGASO's data harmonization:** **definition of styles, symbols and scales** *César Martínez (UAB)*
12:30 – 13:30	Lunch
13:30 – 15:00	**Practical exercises** **Spatial indicators for ICZM in the Mediterranean using Geoserver & Geonetwork** **Data harmonization of selected spatial indicators for ICZM in the Mediterranean** *César Martínez (UAB)*
15:00 – 15:30	Coffee break
15:30 – 17:00	**Practical exercises** **Spatial indicators for ICZM in the Mediterranean using Geoserver & Geonetwork** **Data harmonization of selected spatial indicators for ICZM in the Mediterranean** *César Martínez (UAB)*
18:00	'Amuse-gueule' sightseeing in Oostende

THURSDAY, 25 October 2012 – Creating metadata & creating a geoportal

09:00 – 09:30	**Metadata and the creation of Metadata records** **The role of metadata in data and information management** *Simon Claus (VLIZ)*
09:30 – 10:30	**Metadata and the creation of Metadata records** **Using the INSPIRE web Form** *Nathalie De Hauwere (VLIZ)*
10:30 – 11:00	Coffee break
11:00 – 12:30	**Metadata and the creation of Metadata records** **Using the Geonetwork form** **Creating Services Metadata** *Nathalie De Hauwere (VLIZ)*
12:30 – 13:30	Lunch
13:30 – 15:00	**Creating a Geoportal** **Internet resources for creating Web pages** **Installing the Pegaso Geoportal** *César Martínez (UAB) & Jorge López Pérez (UAB)*
15:00 – 15:30	Coffee break
15:30 – 17:00	**Practical exercise:** **Exercise, creating a Web page for hosting a local SDI** *César Martínez (UAB) & Jorge López Pérez (UAB)*
17:00	End of the training