Preparation of integrated geographic information for marine and coastal water management

Training session

2nd December 2014

12:00	Welcome
12:10	Introduction to spatial data infrastructures (SDI) - NMA
12:45	What are we doing in Iceland with regards to SDI? – LMI
13:30	Lunch
14:45	What are we doing in Norway? – NMA
15:15	National (Portuguese) approach to SNIG – DGT
15:45	Coffee break
16:15	SDI architectures & Best practices – NMA & LMI
17:00	End of session

3rd December 2014

09:30	Introduction to open source software/other relevant software/virtual servers – NMA
10:00	Best practices with Open source software (Exercises) - NMA/LMI
11:00	Coffee break
11:30	Continue the exercises
13:30	Lunch
14:30	Standards (Inspire service specifications, UML schemas, ISO, OGC wfs wms, IHO, CSW) – NMA & LMI
16:00	End of session
16:00	Coffee break
16:30	Project Management Group meeting (report the status and progress of the project, plan the next training session) – NMA, LMI, EMEPC

4th December 2014

09:30   Introduction to metadata + standards (ISO, Inspire, etc.) + exercise – NMA

10:30   Metadata for SNIMar Project (Analysis of some Marine SDI, Marine metadata profiles, etc.) – EMEPC

11:00   Coffee break

11:30   Step-by-step case study of Norwegian metadata editor and catalog

13:00   Lunch

14:00   National metadata profile – DGT (National Land Survey)

16:30   Concluding summary

17:00   End of session

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2 nd Training session

17th June 2015

14h30 Introduction: detailed technical explanation about the working process of the Norwegian SDI development – *Roy Mellum*

14h45 Partner involvement (policies and access to information) - *Roy Mellum*

15h15 Metadata profile definition - *Lars Inge Arnevik*

15h45 Preparation of the data and datasets definition - *Lars Inge Arnevik*

16h30 Coffe Break

16h45 Presentation and practice on metadata SNIMar editor – *Ricardo Deus*

18h00 End of session

18th June 2015

9h00 Metadata creation and validation processes - *Lars Inge Arnevik*

10h30 Coffe Break

10h45 Metadata catalog creation (harvesting process) - *Lars Inge Arnevik*

11h45 Geoportal development - *Lars Inge Arnevik*

13h00 Lunch

14h00 Session to clarify doubts. (Try to find common aspects between SNIMar and Kartverket) - *Lars Inge Arnevik*

14h30 XML technologies (XSD, XPATH, XSL, validatingschemas, etc) - *Rune Johnsrud*

16h00 Coffe Break

16h15 Continue - *Rune Johnsrud*

17h30 End of session

19th June 2015

9h00 OGC standards of CSW implementation: Catalogue services specifications - *Roy Mellum*

9h30 Practical session about implementation and usage of Catalog services - *Roy Mellum*

10h30 Coffe Break

10h45 Security, authentication and authorization strategies for dealing with CSW and WMS in distributed systems - *Roy Mellum*

11h30 Examples of setting up an OGC CSW- open source framework- *Roy Mellum*

12h45 Conclusions

13h00 End of session

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Third Training Session

Geoportals and Data dissemination

26th April

09:15   Welcome

09:30   Project status

- WP#0 – Project management – Teresa Rafael
- WP#1 – Policies – Paulo Patrício
- WP#2 – Hardware (Architectures, overview) – Bruno Anjos
- WP#3 – Data & metadata – Ana Navarro
- WP#4 - Geoportal & Services (Software and tools overview) – Ricardo Deus
- WP#5 – Outreach – Teresa Rafael

11:30   Coffee break

11:45   Introduction to data dissemination – Roy Mellum

12:15   Geoportal sustainability – Roy Mellum, Hafliði Magnússon and Ásta Óladóttir

- Experiences and best pratices No-Isl
- Architectures and software involved No-Isl

13:15   Lunch

14:30   Connection between SNIMar geoportal and NO/ISL geoportals

- Introduction – Roy Mellum
- Common components
- Challenges, common and national
- Areas of future cooperation
- This topic will mainly be a workshop/discussion, all contributions are welcome

15:30   Short break

15:45 INSPIRE

- Short INSPIRE background - Roy Mellum
- Status and implementation issues in the three countries – PT,IS,NO
- Tools, services, other issues to consider – PT,IS,NO
- Discussion

16:30 User driven approach – Joan Olive Lopez (KV)

- Introducing other API's and service interfaces
- Linked data and big data aspects
- Best practices and hands on

17:00 End of session

17:30 Project Management Group meeting (brainstorm and discuss follow up project, planning of Iceland visit) – NMA, LMI, EMEPC

27th April

09:30 Project meeting with project partners

- Presentations from associated entities – APA, DGT, DGRM,GRM, GRA, ICNF, IH, IPMA and EMEPC (15 min each).

11:30 Coffee break

11.45 Continuation of presentations

13:00 End of session

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Fourth Training Session

24th November

09:15 Welcome

09:30 SNIMar recapture, process and early lessons learned – NO

10:00 Status report (2h)

- WP#0 – Project management – Teresa Rafael
- WP#1 – Policies – Paulo Patrício
- WP#2 – Hardware (Architectures, overview) – Bruno Anjos
- WP#3 – Data & metadata – Ana Navarro
- WP#4 - Geoportal & Services (Software and tools overview) – Ricardo Deus
- WP#5 – Outreach – Maria Simões

10:30 Coffee break

11:00 Continue of the Status report

12:30 Lunch

14:00 Project meeting with project partners

- Presentations from associated entities – APA, DGT, DGRM, EMEPC, GRM, GRA, ICNF, IH and IPMA (10 min each)

15:30 Evaluation meeting – NO/ISL

16:30 Coffee break

16:45 Lessons learned/evaluation. Final discussions.

17:30 End of session