



SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

CSR Harvesting

Final Meeting 16. – 17. September, 2015 Brest, France

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Topics

- ❖ Introduction
- ❖ Harvesting Workflow
- ❖ CSR-Harvesting Report
- ❖ Monitoring portal for harvesting
- ❖ Looking into the future

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Introduction

❖ CSR submission till 2014

- Online CMS
- XML records via Email or FTP

❖ Since beginning of 2015

- in addition CS-W harvesting

❖ Requirements for harvesting

- CSRs in ISO 19139 format, can be prepared using MIKADO or own software
- implementation of OGC CS-W service at data centre

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Harvesting Implementation

❖ Description of CSR schema

<http://www.seadatanet.org/Standards-Software/Metadata-formats/CSR>

❖ Manual for CS-W

Deliverable SDN2_D92_WP9_CSW_harvesting.pdf

❖ Installation of OGC CS-W at data centre

- GeoNetwork or another OpenGIS Catalogue Service
- ftp.ifremer.fr/ifremer/sismer/donnees/SeaDataNet_Software/CSW/geonetwork-sdn.war

CSR Harvesting Workflow

Data Centre/SDN Partner

MIKADO
=> XML records
ISO19139
=> CS-W server



BSH CS-W harvesting



BSH

CSR Entry
Oracle DB



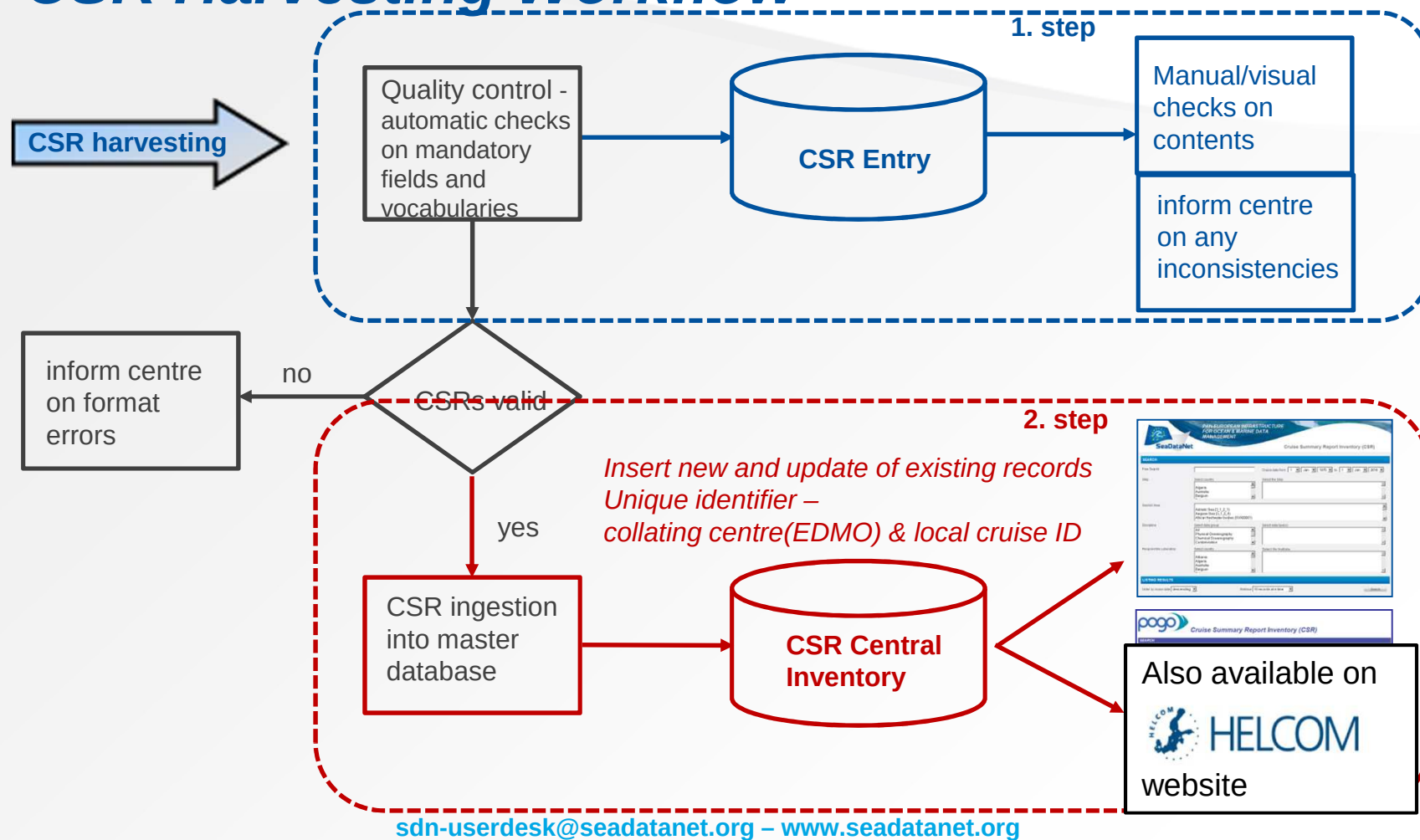
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CSR Harvesting Workflow



CSR-Harvesting Report

- ❖ 4 pilot partners – IFREMER(France), HCMR(Greece), OGS(Italy) and IEO(Spain)
- ❖ test phase in January/February 2015
- ❖ checked connections and firewall restrictions
- ❖ detailed comparison of inventory on both sides
- ❖ all 4 data centres are now connected and operational
- ❖ since middle of February weekly harvesting of new and updated records

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CSR-Harvesting Report

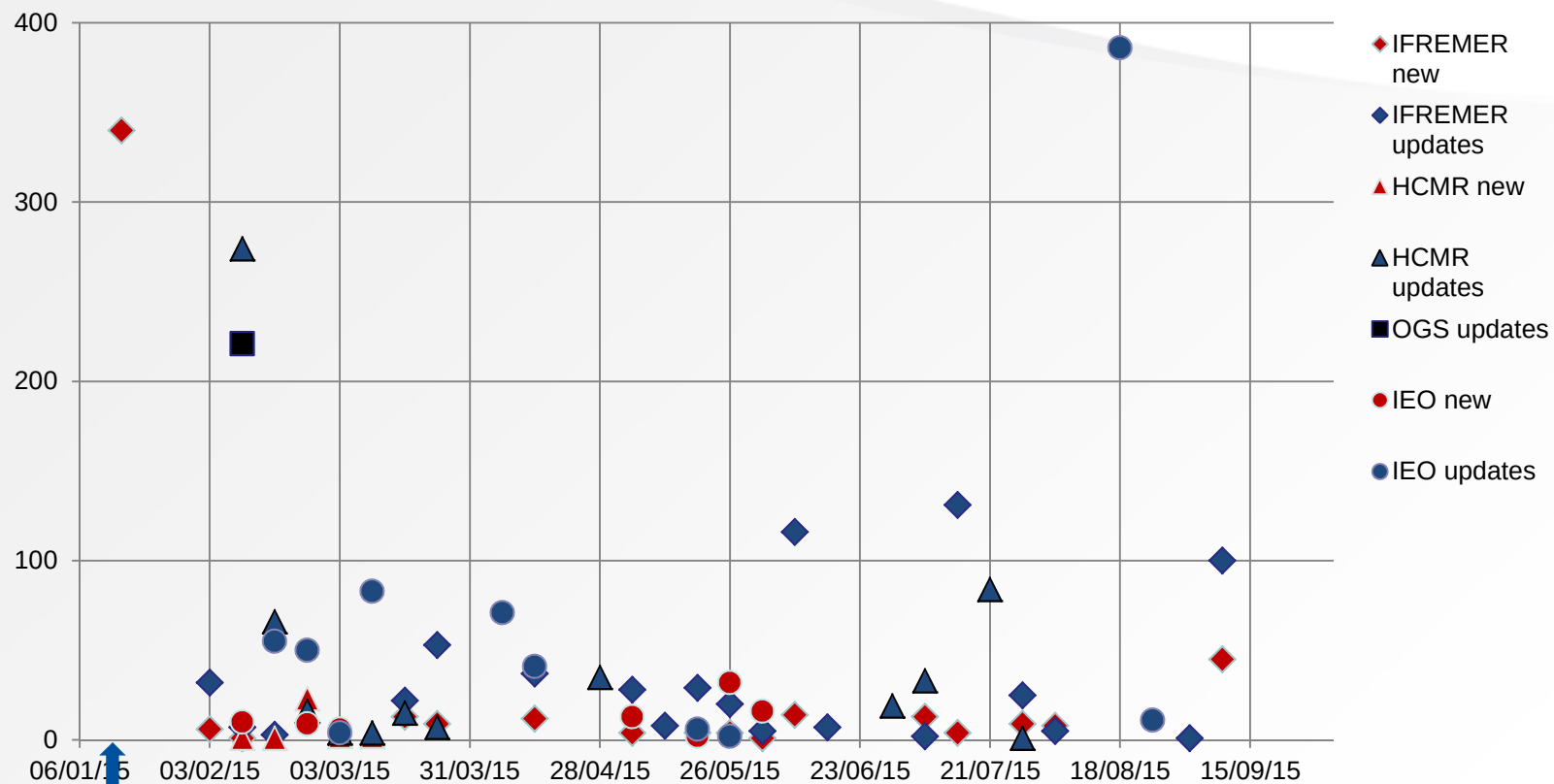
- ❖ After installation of GeoNetwork at pilot centres first harvesting was successful within 1-2 weeks
- ❖ Only minor issues with firewall and configuration of GeoNetwork encountered
- ❖ Statistics on CSR harvesting now available on SeaDataNet Catalogues follow-up website

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Harvesting statistics



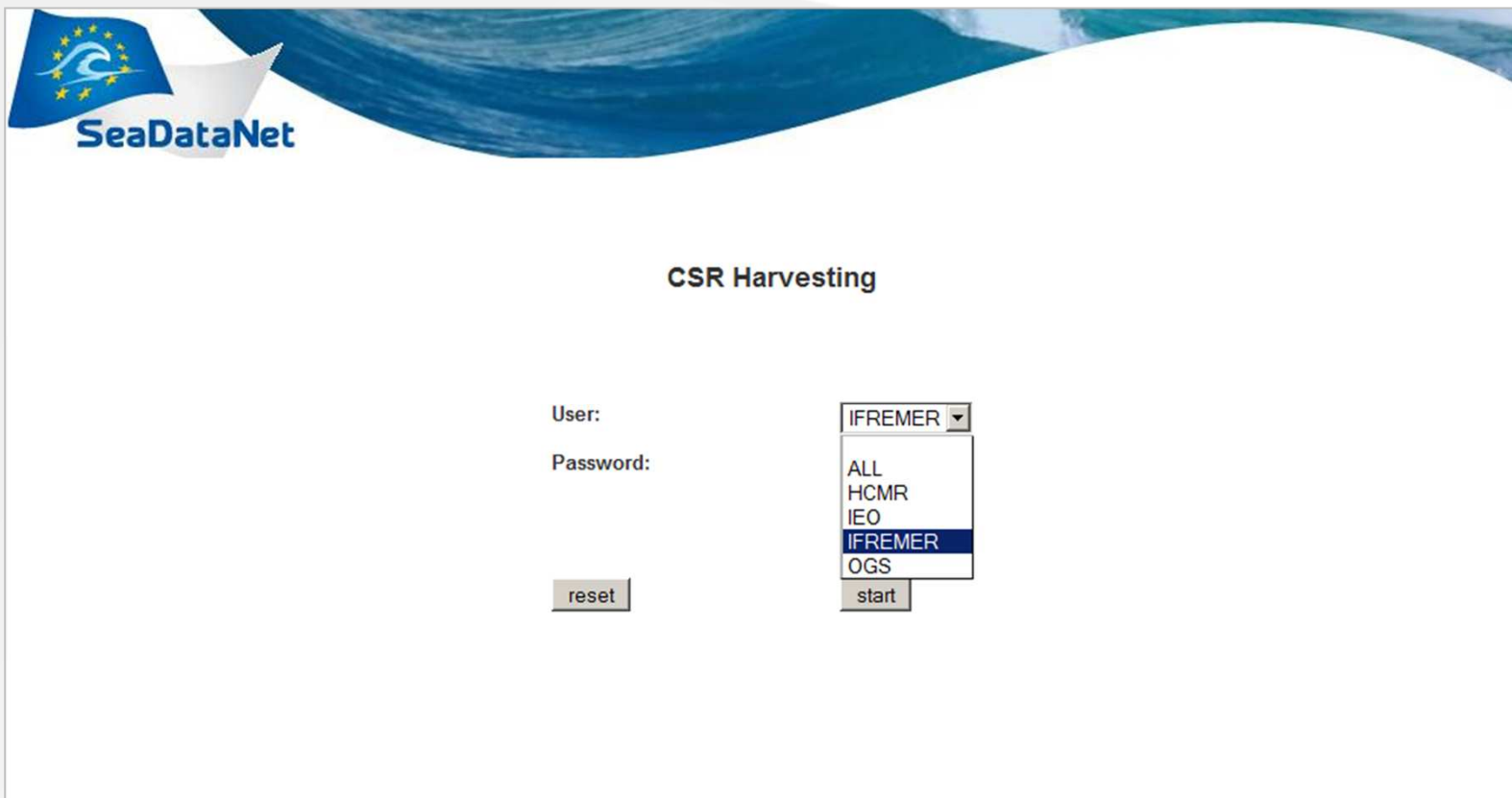
3419 updates
from IFREMER

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CSR Harvesting Monitoring



The screenshot shows a web interface for "CSR Harvesting". It features the SeaDataNet logo in the top left corner. The main content area has a title "CSR Harvesting" centered. Below the title, there are two input fields: "User:" and "Password:". To the right of the "User:" field is a dropdown menu with a list of options: ALL, HCMR, IEO, IFREMER (highlighted), and OGS. Below the "User:" field is a "reset" button. Below the "Password:" field is a "start" button.

SeaDataNet

CSR Harvesting

User: IFREMER

Password:

ALL
HCMR
IEO
IFREMER
OGS

reset start

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Cruise Summary Report Harvesting - IFREMER

145 records harvested

BSH Ref view	Local cruise ID	Platform	Cruise	Begin	End	Laboratory	status
20156006 	93820010	Baruna Jaya I	JADE 93	22.04.1993	09.05.1993	Laboratory of Oceanography and Climate : Experiments and numerical Approaches - UMR 7159	OK
20156005 	93750010	Unknown	SURATLANT 1993	01.07.1993	06.07.1993	Laboratory of Oceanography and Climate : Experiments and numerical Approaches - UMR 7159	OK
20156004 	93720010	Alcyon	MINT93-2	10.11.1993	30.11.1993	UNKNOWN	OK
20156003 	93400010	Antedon	NITDENIT 93	01.01.1993	31.12.1993	COM - Physical and Biogeochemical Oceanography Laboratory (LUMINY)	OK
20156002 	93220010	La Curieuse	KERFIX 93	01.01.1993	31.12.1993	Laboratory of Oceanography and Climate : Experiments and numerical Approaches - UMR 7159	OK
20156001 	93200020	Marion Dufresne	NIVMER93	30.03.1993	17.05.1993	UNIVERSITE DE GRENOBLE 1 / LEGI	OK
20156000 	93200010	Marion Dufresne	MINERVE 93	01.01.1993	30.09.1993	Laboratory of Oceanography and Climate : Experiments and numerical Approaches - UMR 7159	OK
20155999 	93080010	Nadir	ETNA	09.04.1993	11.04.1993	IFREMER / GM-MARINE GEOSCIENCES	OK
20155998 	93070020	Thalia	STARSOM	20.07.1993	30.07.1993	IFREMER / GM-MARINE GEOSCIENCES	OK
20155997 	93070010	Thalia	GEODEP-6	09.11.1993	12.11.1993	DEPARTEMENT DE GEOLOGIE ET OCEANOGRAPHIE (UNIV. BORDEAUX 1) (UNIVERSITE DE BORDEAUX I)	OK

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Cruise Summary Report of Thalia Cruise MERCAUX 2015 (BSH Ref-No.: 20155968)

GENERAL INFORMATION

Platform/Ship	Thalia
Cruise begin	20.06.2015
Cruise end	05.07.2015
Port of Departure	Ouistreham, France
Port of Return	Ouistreham, France
Chief Scientist(s)	PAQUET FABIEN - BRGM/GEO - Geology service - Mapping and geoinformation
Responsible Laboratory	BRGM/GEO - Geology service - Mapping and geoinformation

LOCATION

General Ocean Areas	English Channel
Marsden Squares(S, N, E, W)	
Bounding Box(es)	WEST EAST SOUTH NORTH -1.4 .2 49.3 50
Specific Geographic Areas	Baie de Seine, Pays de Caux

Link to Track Charts [» Track chart](#)

PROJECT

Project Title /
Coordinating Body

OBJECTIVES

Description Acquisition de sismique marine Très Haute Résolution pour compléter la couverture sismique de la future carte géologique au 1/250 000 de la Baie de Seine et prélèvements au carottier à roche CNEXO-Ville pour calage stratigraphique et lithologique des unités sismiques.

ADDITIONAL INFORMATION

Parameters measured	
Instruments used	single-channel seismic reflection systems rock corers

Linkage / Report / Station list

PRINCIPAL INVESTIGATORS

A PAQUET FABIEN - [BRGM/GEO - Geology service - Mapping and geoinformation](#)

Summary of measurements and samples taken

Geology & Geophysics

PI	Number	Type	Unit	Type of measurement	Description	Reference date
A	150	G03	samples	Core - rock		20.06.2015
A	109	G75	profiles	Single channel seismic reflection		20.06.2015

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All upgraded CSR records published:
<http://seadata.bsh.de/geonetwork-sdn/srv/ger/find>

Resource type: seriesX

Advanced Search Options

Options

Search

Types
Series (24851)

Keywords
Oceanographic geographical features (24851)
Oceans (24849)
oceans (2)

Years
2015 (5343)
2014 (3088)
2013 (4995)
2012 (2998)
2011 (2668)
2010 (1399)
2009 (2961)
2008 (396)
2007 (172)
2006 (221)
2005 (545)
2004 (49)
2002 (2)
2001 (9)
2000 (4)
1999 (1)
Show less

<< 1-20 result(s) / 24851 >>

☐ VALINCIS5
Studying the Quaternary incised valley systems located on the Gulf of Lion platform. Valincis 5 cruise aimed to complement the grid of seismic data acquired by the t shore-offshore NW/SE profiles in order to specify the relationships...
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☐ DEVIL 2
The DEVIL cruises aimed to describe the presence of the toxic algae *Dinophysis* were are favourable for their growth. Alongside this study, zooplankton samples v Two cruises took place in April 2007. A third scheduled...
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☐ BEEP 03
This mission was the third sampling cruise under the European BEEP (Biological n°EVK3-2000-00543) proposal. The project involves 30 European labs and was Mediterranean zones (Erbre delta- Spain/Gulf of Fos/Marseille - France/Gulf...
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☐ HIVERN 00
Sampling techniques; biological and physical experiments
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☐ 1992.15
Norwegian Coastal Monitoring Prg. ICES created form
OCEANOGRAPHIC GEOGRAPHICAL FEATURES, OCEANS

☐ COR13/93
1. To identify and quantify the fate of river-borne nutrients entering the Humber an through to the North Sea (AE0504A0). 2. To take samples over a grid in the North concentrations, particularly phosphate (AE0503A0). 3. To...
OCEANOGRAPHIC GEOGRAPHICAL FEATURES, OCEANS

☐ 69
Occupation of Ocean Weather Station JULIET, location 2 (52° 30'N, 20W)
OCEANOGRAPHIC GEOGRAPHICAL FEATURES, OCEANS

☐ JC009
Trials programme for the deep-diving Isis Remotely Operated Vehicle (ROV) on were of the ROV and its interaction with the vessel, during operations and during calibrations were made of the Long Base Line acoustic navigation...
OCEANOGRAPHIC GEOGRAPHICAL FEATURES, OCEANS

☐ LV_DUB_BIRK_28May2010

DEVIL 2

View mode Actions

Keywords (SeaVoX Platform Categories)	research vessel ()
Keywords (SeaVoX salt and fresh water body gazetteer)	Bay of Biscay () (Place)
Keywords (SeaDataNet device categories)	CTD ()
Metadata language	English
Topic category	Oceans

Geographic bounding box

WGS 84 Google ETRS89 / Mercator ETRS-LAEA

North bound 47.8

West bound -3.3

East bound -2.1

South bound 47

Data CC-BY-SA by OpenStreetMap

Contact information

Point of contact Individual name LAZURE Pascal
Voice 33 (0)2 98 22 47 60
Facsimile 33 (0)2 98 22 45 55
Delivery point IFREMER Centre de Brest
BP 70
City PLOUZANE
Postal code 29280
Electronic mail address sdn-userdesk@seadatanet.org
Website

Metadata contact

Looking into the future

❖ Connection with more partners for CSR harvesting

- Next 3 candidates : Belgian Marine Data Centre (BMDC), Marine Institute (Ireland) and BODC(UK)
- More are welcome, **even after SDN II**
- Will receive submissions from USA and Australia through ODIP

❖ Extended QC procedures for plausibility check of harvested records – status display on monitoring portal

❖ Harmonisation with ICES

- currently – from BSH to ICES
- **very soon – from ICES to BSH**

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**Thank you for your attention
Any questions?**

Looking forward to SDN III

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