



SPATIAL DATA GEOPORTALS WITH CASE STUDIES

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MSDI development approach

Identify users needs



What is MSDI?

Marine Spatial Data Infrastructure (MSDI) is the component of an SDI that encompasses marine geographic and business information in its widest sense

It typically include seabed topography (bathymetry), geology, marine infrastructure (e.g. wrecks, offshore installations, pipelines and cables), administrative and legal boundaries, and areas of conservation, marine habitats and oceanography

Croatian MSDI

Central role in development of MSDI in Croatia has a Hydrographic Institute of the Republic of Croatia (HIRC)

To set up a conceptual framework for this MSDI in Croatia HIRC with other providers of marine data and partners need to build a reference model, develop models to support common workflows in marine applications and evaluate meta-information systems and MSDI of other countries

Framework for evaluation of MSDI Geoportals

Evaluating how other countries built their MSDI is main importance to learn where obstacles are and errors are likely to occur


This framework consist of several indicators for evaluate MSDI and their Geoportal





Base framework is develop by Rüh, Bill, Kordun and Blagonić


Evaluation indicators

Area	Indicator	
	<i>Technical</i>	<i>Organizational</i>
A – Data	1 Core datasets	3 Degree of involvement of different agencies/institutions
	2 Coordinate reference systems	
B – Metadata	1 Availability of Metadata/Metadata catalogue (CSW)	3 Coordination
	2 Data quality and accuracy	
C - Services and Interfaces	1 Availability of Services	4 Access privileges
	2 Performance (response time, Data management)	
	3 Clearinghouse and geoportal	
D – Standards	1 Interoperability	
E – Modelling		1 Existence of a government policy for SDI
F- Geoportal - (access to data)	1 Visiblility 2 Accessibility 3 User interface functionalities	

German GeoSeaPortal

**SeaPortal MapClient**





BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

Username: -

[Help](#) | [Settings](#) | [Restart](#)

MapContent | Legend










Navigation | Measurement | Drawing | Extras

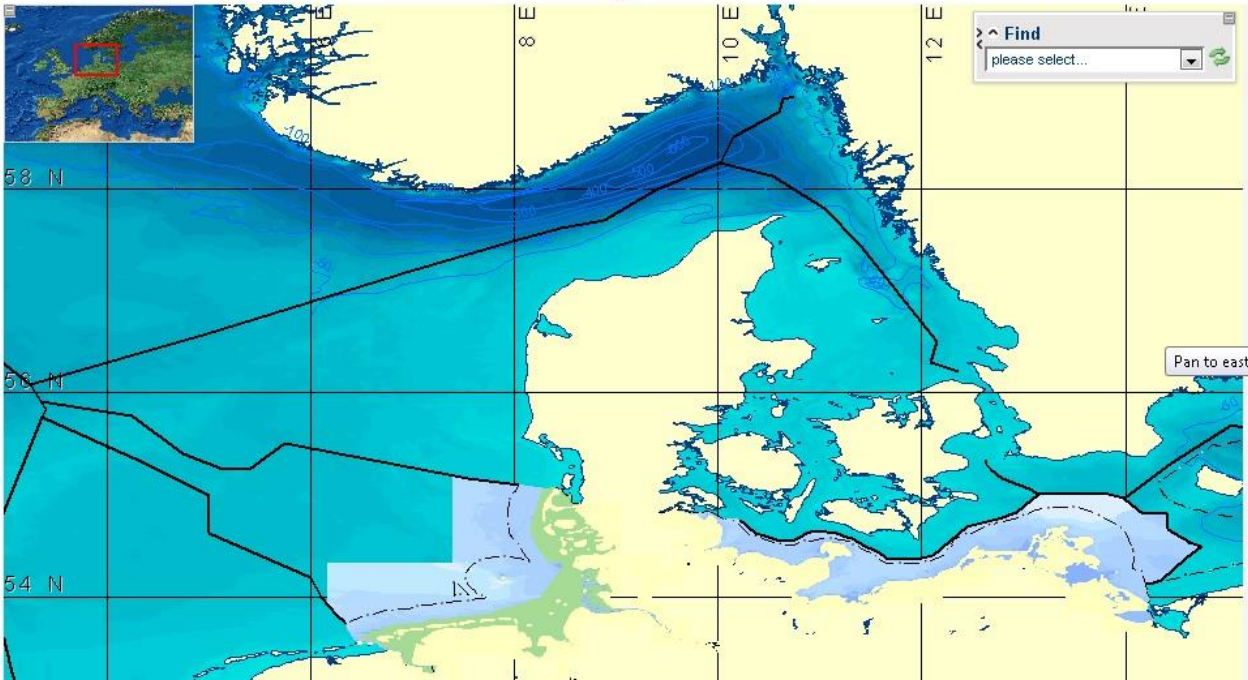


Tool: Zoom in

☒ Background
☒ Europe

Reload map

Themes:
Nautik
 ☒ Nautik
 ☒ BSH WMS CONTIS Administration
 ☒ BSH WMS Magnetic Variation Lines
 ☒ BSH WMS NAUTHIS Hydrography
 ☒ BSH WMS NAUTHIS Navigational Aids
 ☒ BSH WMS NAUTHIS Rocks/Wrecks/Obstructions
 ☒ BSH WMS NAUTHIS Seawards Limits
 ☒ BSH WMS NAUTHIS Skin Of The Earth
 ☒ BSH WMS NAUTHIS Topography



Find
please select...

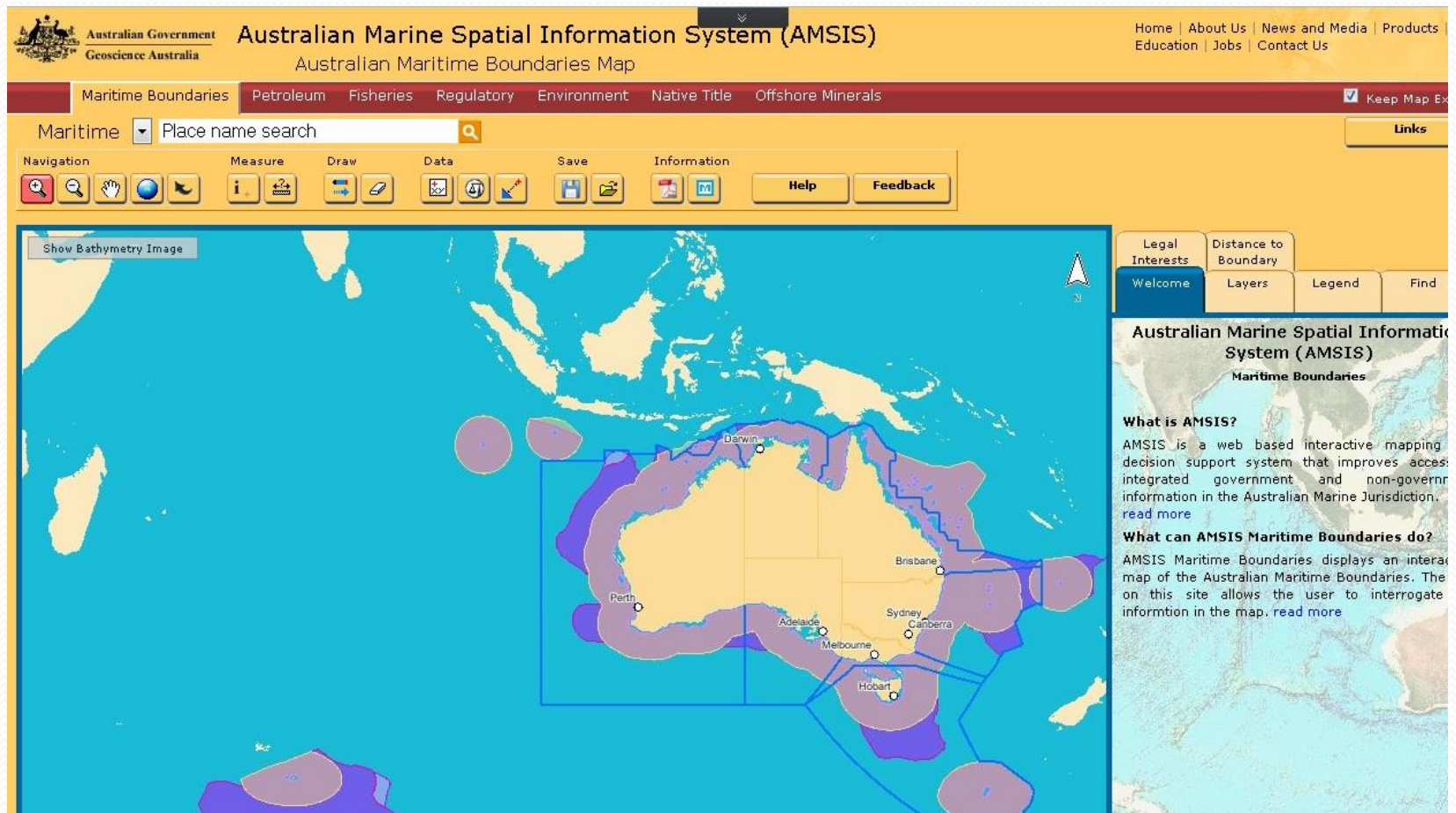
Pan to east

Evaluation of German efforts

Area	Indicator	
	<i>Technical</i>	<i>Organizational</i>
A	1++	3++
	2++	
B	1++	3++
	2++	
C	1+/-	4++
	2 +	
	3++	
D	1++	
E		1++
F	1++	
	2++	
	3++	

* ++ very good, + good, +/- not appraisable, - not so good, -- bad

Australian Marine Spatial Information System AMSIS



Evaluation of Australian efforts

Area	Indicator	
	<i>Technical</i>	<i>Organizational</i>
A	1 ++	3 ++
	2 +	
B	1 ++	3 ++
	2 +	
C	1 ++	4 +/-
	2 +	
	3 ++	
D	1 +	
E		1 ++
F	1+/-	
	2+	
	3+	

* ++ very good, + good, +/- not appraisable, - not so good, -- bad



Thank you!