



International Hydrographic Organization

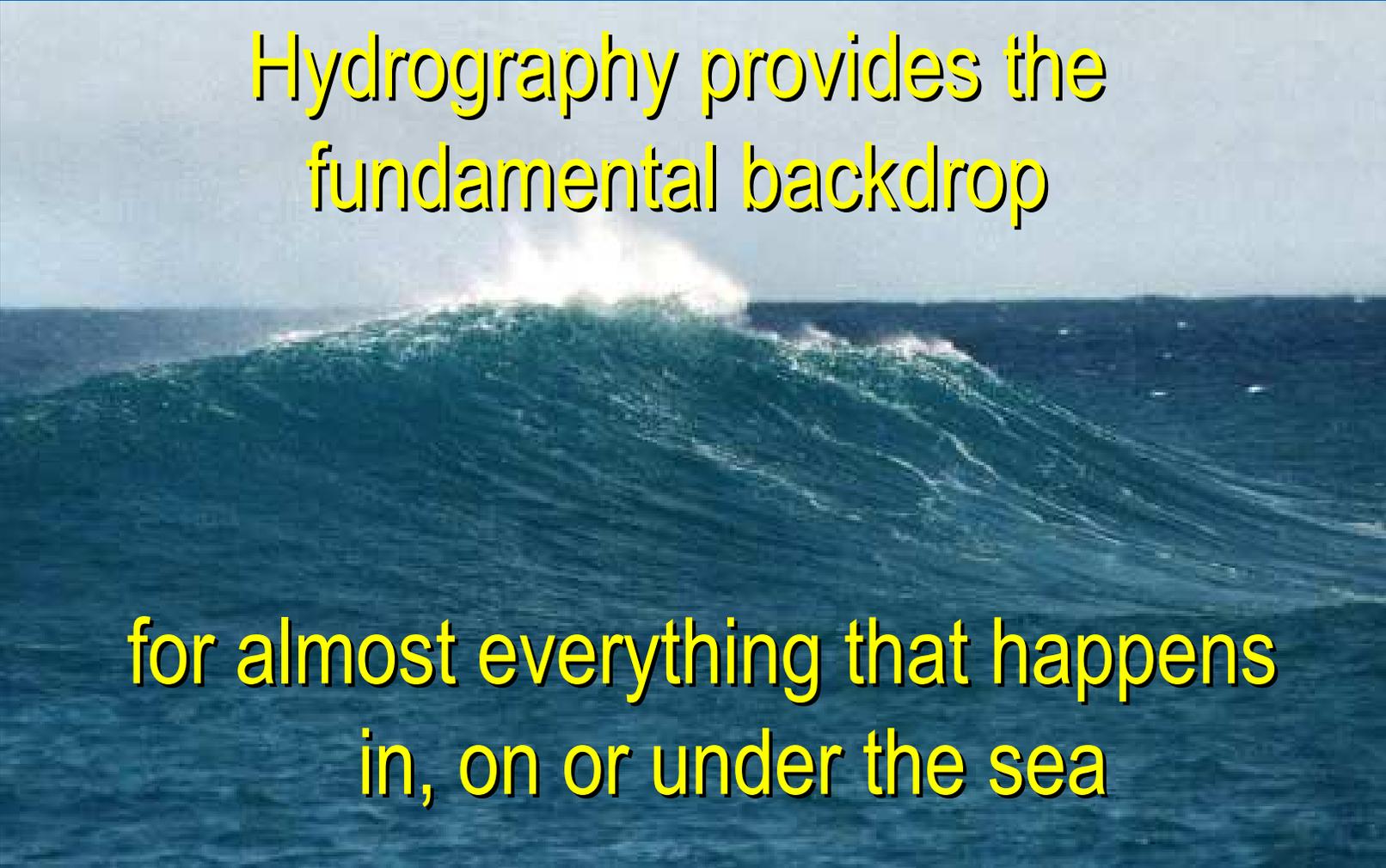
# MEETING BETWEEN IHO AND EUROPEAN COMMISSION

Brussels, 5 April 2013

Review of the MSDI work programme in relation  
with EC - IHO cooperation

Ellen Vos

Vice Chair MSDIWG



Hydrography provides the  
fundamental backdrop

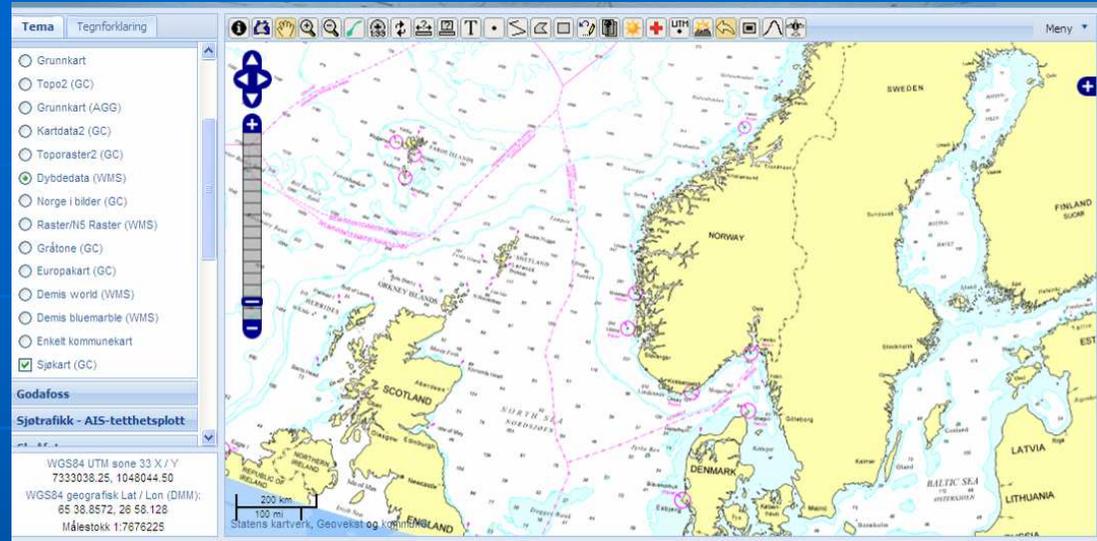
for almost everything that happens  
in, on or under the sea

# Hydrography supports :

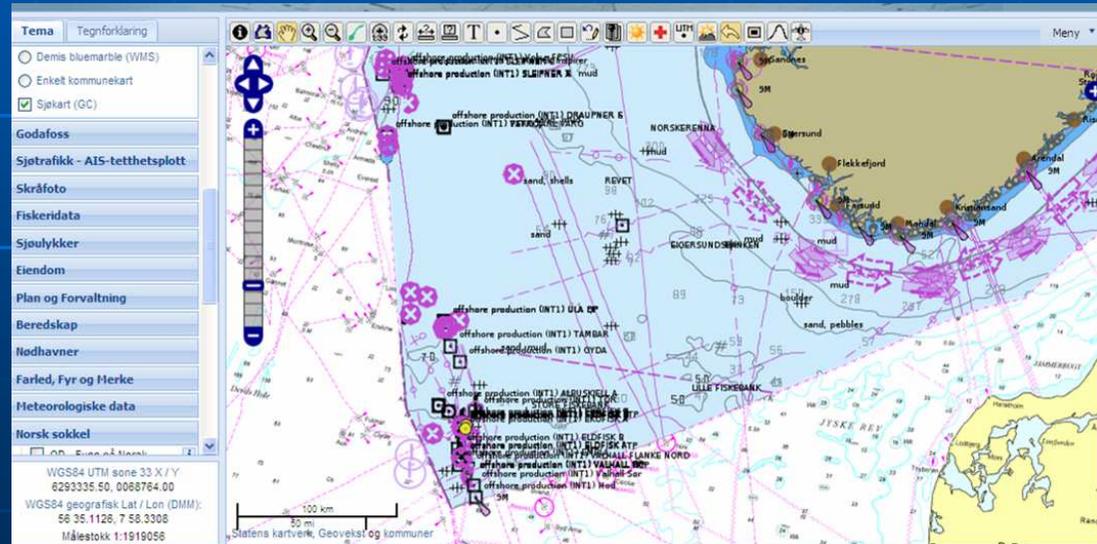
- Safety of navigation
- Protection of the marine environment
- National infrastructure development
- Coastal zone management
- Marine exploration
- Resource exploitation – minerals, fishing, energy
- Maritime boundary delimitation (UNCLOS, others)
- Maritime defence and security
- Disaster prevention and response

# Hydrographic data and its role in MSDI

- Raster charts as background map

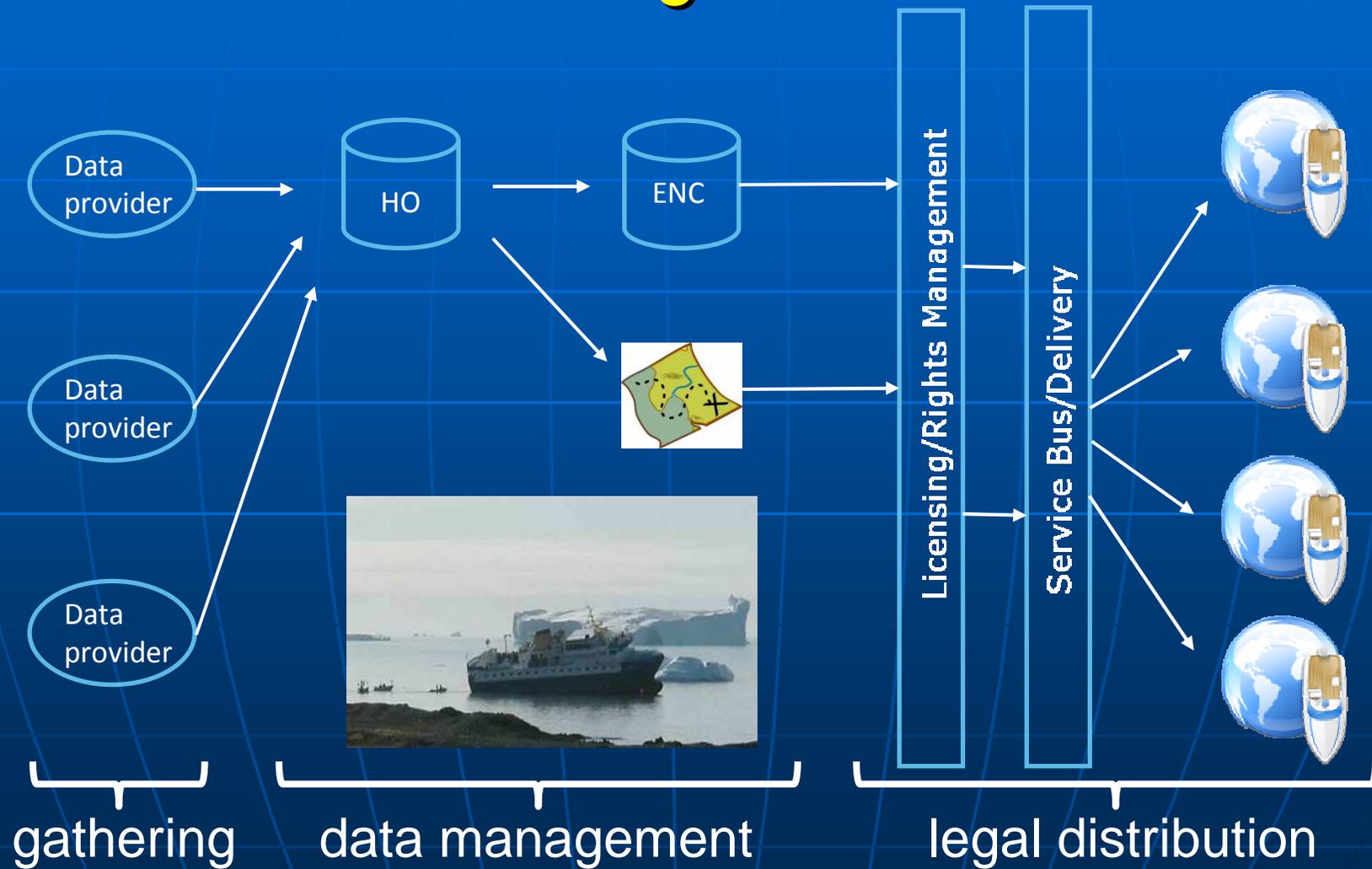


- ENC - S57 data as additional layer

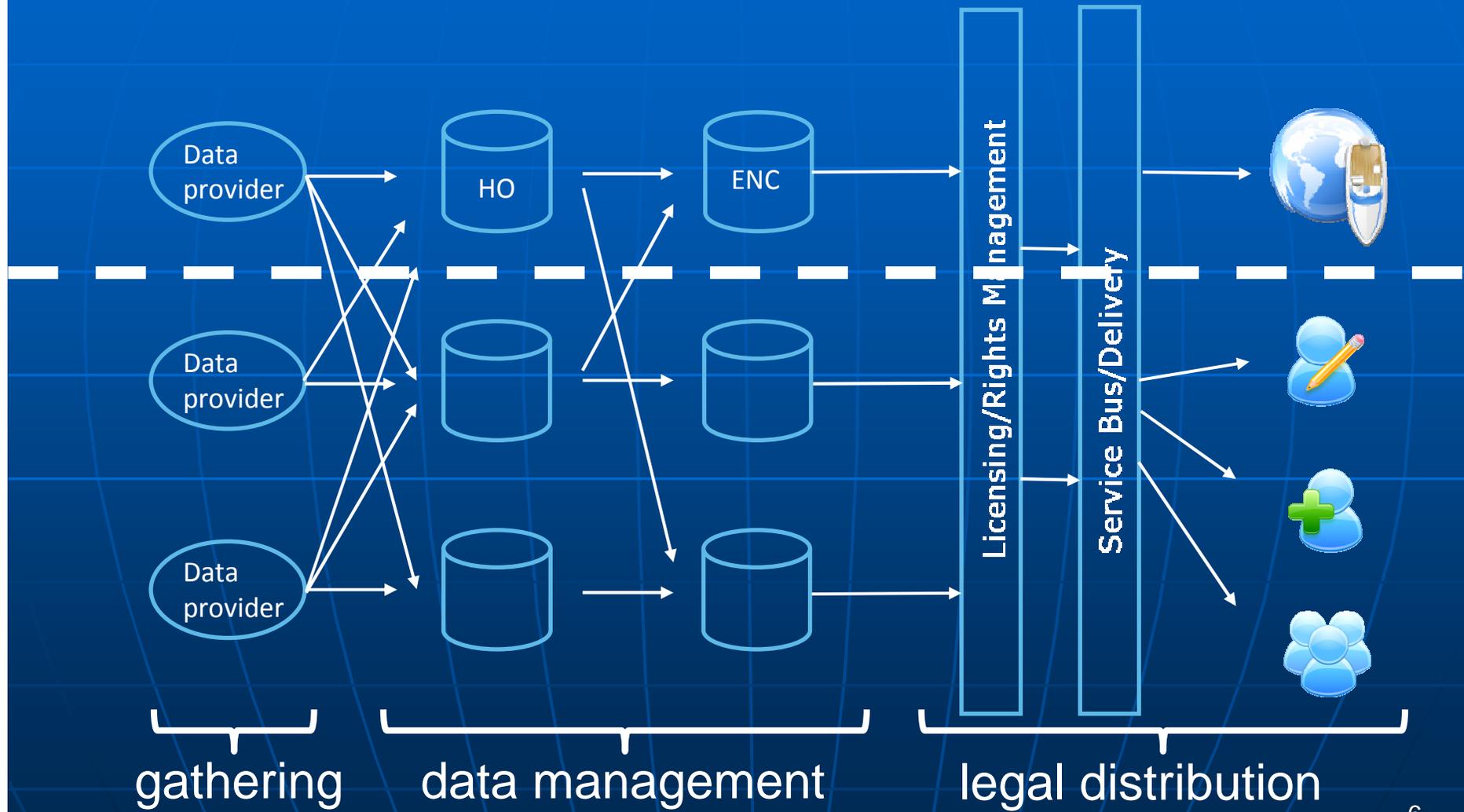


- Hydrographic data sets

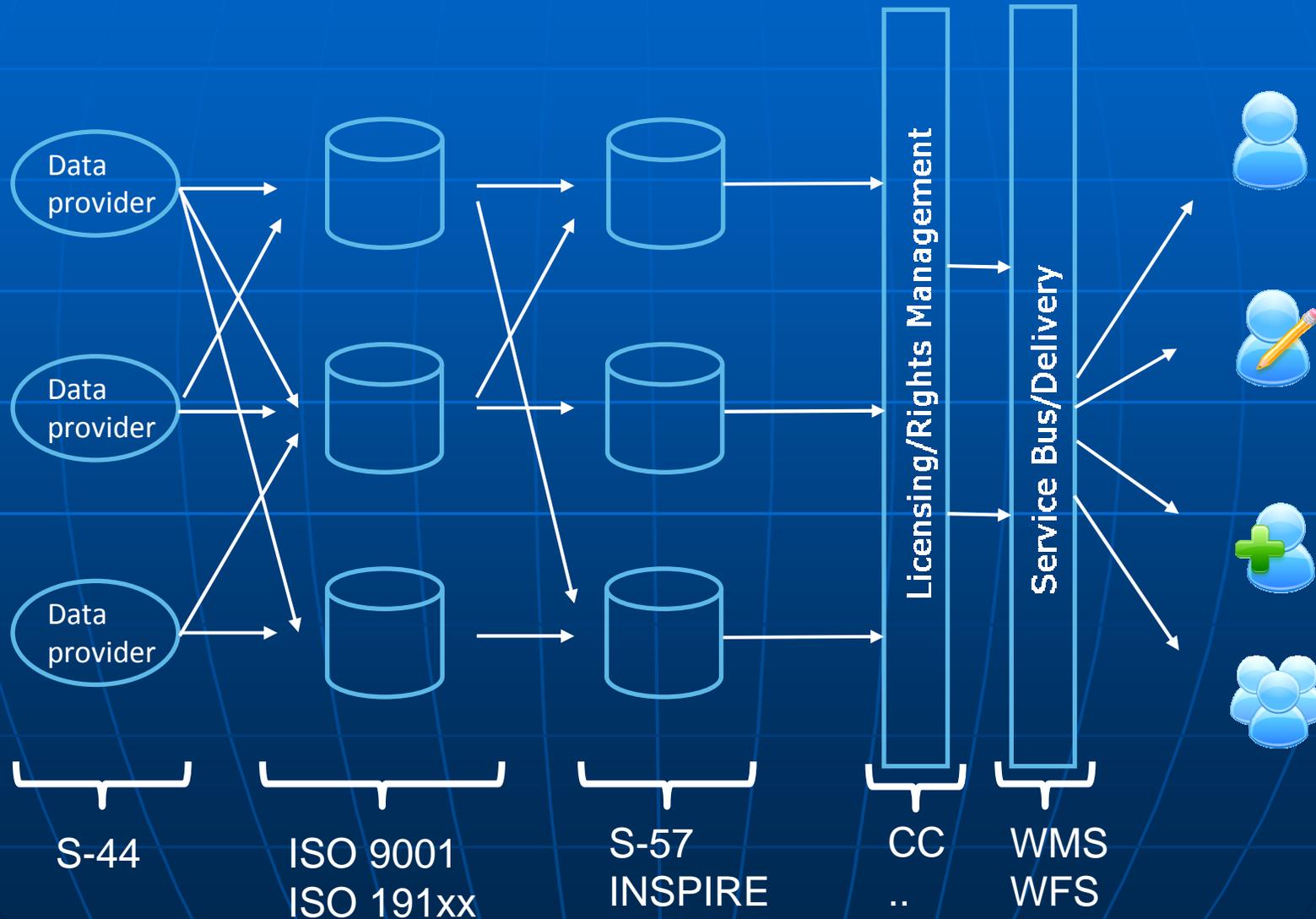
# HO traditional : Safety of Navigation



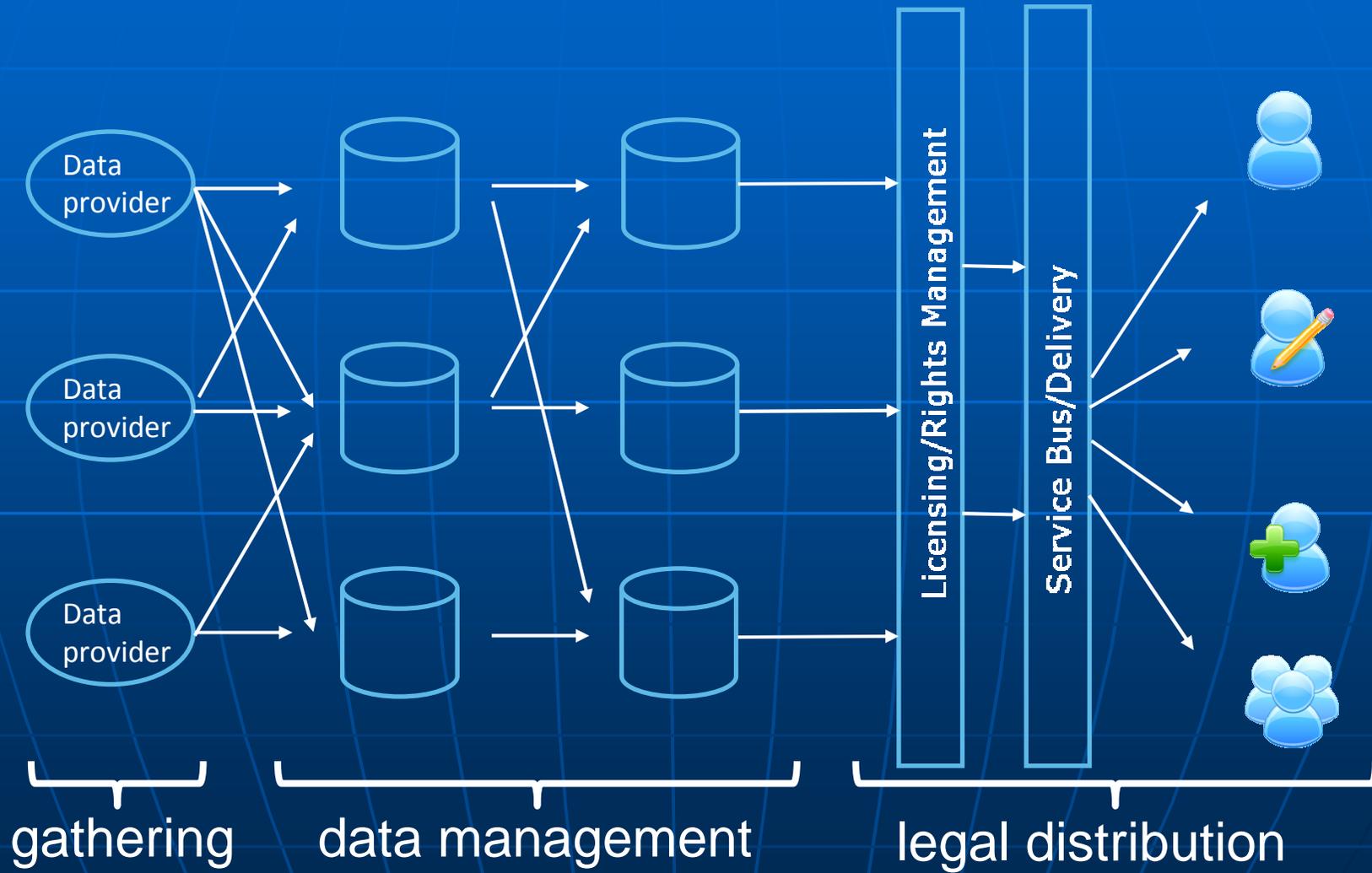
# HO today: Safety of Navigation *and other use*



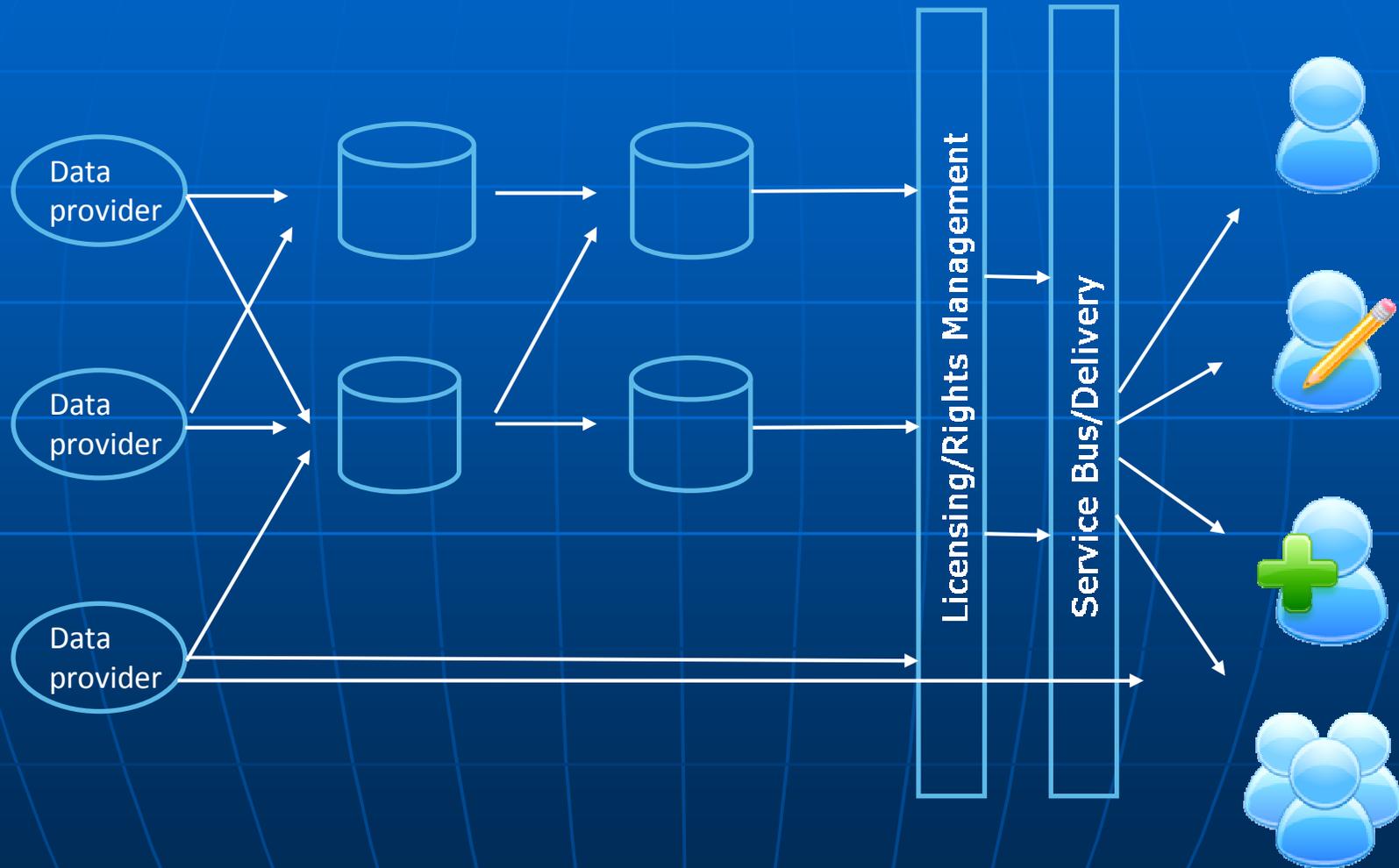
# MSDI – Standards



# Harmonization along Value Chain



# MSDI – the Marine Dimension



# IHO - MARINE SPATIAL DATA INFRASTRUCTURE WORKING GROUP (MSDIWG)

## Objectives of the IHO MSDIWG:

Identify the Hydrographic Community inputs to National Spatial Data Infrastructures (NSDI).

- Monitor national and international SDI activities
- Promote the use of IHO standards and member state marine data in SDI activities.
- Liaise, as appropriate, with other relevant technical bodies
- Propose any Technical and/or Administrative Resolutions that may be required to reflect IHO involvement in the support of SDI.
- Identify actions and procedures that the IHO might take to contribute to the development of Spatial Data Infrastructure (SDI) and / or MSDI in support of Member States.

International Hydrographic Organization  
Organisation Hydrographique Internationale

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English	Français
<b>MARINE SPATIAL DATA INFRASTRUCTURE WORKING GROUP (MSDIWG)</b>	<b>GRUPE DE TRAVAIL SUR L'INFRASTRUCTURE DES DONNÉES SPATIALES MARITIMES (MSDIWG)</b>
<b>Chair:</b> Mr. Jens Peter HARTMAN (Denmark) <b>Vice-Chair:</b> Vacant <b>Secretariat:</b> Vacant	<b>Président:</b> M. Jens Peter HARTMAN (Danemark) <b>Vice-Président:</b> A pourvoir <b>Secrétariat:</b> A pourvoir
<b>Objectives:</b> Identify the Hydrographic Community inputs to National Spatial Data Infrastructures (NSDI). More details can be found in the full Terms of Reference for MSDIWG. This group is open to representatives of IHO Member States' Hydrographic Offices and, as expert contributors, to entities and organisations that can provide a relevant and constructive contribution to the work of the WG.  See <b>Terms of Reference</b> for further information.	<b>Objectifs:</b> Identifier les contributions de la communauté hydrographique aux infrastructures des données spatiales nationales (NSDI). On peut trouver de plus amples détails dans le mandat du MSDIWG. La participation à ce groupe est ouverte aux représentants des Services hydrographiques des Etats membres de l'OHI et, en qualité de collaborateurs experts, aux entités et organisations qui peuvent fournir une contribution pertinente et constructive aux travaux du GT. Voir le <b>mandat</b> pour plus de détails.
<b>Meetings:</b> The WG works primarily by correspondence and aims to meet at least once every two years, normally in connection with another convenient IHO forum. See current <b>Work Plan</b> .	<b>Réunions:</b> Le GT travaille essentiellement par correspondance et a pour objectif de se réunir au moins une fois tous les deux ans, normalement en liaison avec d'autres réunions appropriées de l'OHI. Voir le <b>programme de travail</b> en cours.
<b>Members:</b> The WG comprises representatives of IHO Member States, Expert Contributors and Accredited NGO Observers. Expert Contributors principally from industry participate in the WG at the invitation of the Chairman. A full list of the WG Members is maintained.	<b>Membres:</b> Le GT est composé de représentants des Etats membres de l'OHI, d'experts collaborateurs et d'observateurs d'organisations internationales non gouvernementales accréditées. Les experts collaborateurs, principalement du secteur industriel, participent aux travaux à l'invitation du Président. Une liste complète des membres du GT est tenue à jour.

INTERNATIONAL HYDROGRAPHIC CONFERENCE

INTERNATIONAL  
HYDROGRAPHIC BUREAU

WGs as required

Finance Committee  
(FC)

Hydrographic Services and Standards Committee  
(HSSC)

Inter-Regional Coordination Committee  
(IRCC)

MSDIWG

Regional Hydrographic  
Commissions

Capacity Building  
Sub-Committee

Technical  
Working  
Programme

Regional  
Coordination

other WGs as required

other WGs as required

EU Members	NHC	BSHC	NSHC	MBSHC	EAtHC	ARHC
Austria						
Belgium			XXX			
Bulgaria						
Cyprus				XXX		
Czech Republic						
Denmark	XXX	XXX	XXX			XXX
Estonia		XXX				
Finland	XXX	XXX				X
France			XXX	XXX	XXX	
Germany		XXX	XXX			
Greece				XXX		
Hungary						
Ireland			XXX			
Italy				XXX		
Latvia		XXX				
Lithuania		XX				
Luxembourg						
Malta				XX		
Netherlands			XXX			
Poland		XXX				
Portugal					XXX	
Romania				XXX		
Slovakia						
Slovenia				XXX		
Spain				XXX	XXX	
Sweden	XXX	XXX	XXX			
United Kingdom			XXX	XX	X	
Iceland			XXX			X
Liechtenstein						
Norway	XXX		XXX			XXX

European dimension of MSDI (in blue)

XXX: Full member  
 XX: Associate member  
 X: Observer

The following work programme has been developed with a view towards a five-year horizon. It includes four proposed initiatives for the MSDIW.



## **Initiative 1: What is MSDI? – A general approach to MSDI**

Aim:

To create a general and uniform understanding of the key elements of MSDI, including concept descriptions of four subareas:

- Technical issues
- Data and harmonisation
- Governance
- Liaison with other organisations

## **Initiative 2: How far have we come with MSDI? – A review and status report**

Aim:

To review regional and national status of MSDI development

### **Initiative 3: What more can we do? – A strategic approach to further MSDI development**

#### **Aim:**

To address the opportunities and challenges for MSDI, leading to the creation of strategic plan for how the working group can support the MSDI development within the IHO and among the Member States

### **Initiative 4: Training and communication**

#### **Aim:**

To ensure that the working group's members are adequately trained and prepared to actively move MSDI development forwards, and to position the working group as a hub of expertise concerning MSDI. Further, to ensure that MSDI stakeholders are linked to other SDI initiatives as a way to ensure that MSDI is integrated into larger scale SDI work.

