

# Coastal Mapping WP3.1/3.3 Data Governance and Economic Models

## **WP3.1/3.3 – Data Governance and Economic Models**

- Questionnaire sent to all partners – collated in report.
- 19 respondents from 15 countries
- Predominantly Hydrographic Organisations

# Partners

- FRANCE – Naval Hydrographic and Oceanographic Service (SHOM)
- BELGIUM – Coastal Division (MDK)
- ESTONIA – Estonian Maritime Administration (EMA)
- GERMANY – Federal Maritime and Hydrographic Agency (Bundesamt für Seeschifffahrt und Hydrographie) (BSH)
- GREECE – Hellenic Navy Hydrographic Service (HNHS)
- IRELAND – Geological Survey of Ireland (GSI)
- ITALY – Institute for Environmental Protection and Research (ISPRA)
- ITALY – Italian Hydrographic Institute (Istituto Idrografico della Marina) (IIM)
- ITALY – Latium Region (LAZIO)
- LATVIA – Maritime Administration of Latvia (MAL)
- LITHUANIA – Lithuanian Maritime Safety Administration (LMSA)
- THE NETHERLANDS – Rijkswaterstaat
- NORWAY – Norwegian Hydrographic Service (NHS, NMA)
- PORTUGAL – Instituto Hidrográfico (IHPT)
- ROMANIA – Danube Delta National Institute for Research and Development (DDNI)
- ROMANIA – National Institute for Marine Geology and Geo – ecology (GeoEcoMar)
- SLOVENIA – Geodetic Institute of Slovenia (GIS)
- SWEDEN – Swedish Maritime Administration (SMA)



# Results

- The obvious trends are that there are one of three categories that each partner falls under.
  1. Freely available data with no restrictions and no cost to the user. (Where publically funded)
  2. Data is available but there is a cost.
  3. Data is restricted under national security limitations with degraded data available either at cost or for free.

<b>Data Policy</b>	<b>Partners</b>	<b>% (x/19)</b>	<b>Cost Benefit Analysis</b>
<b>Free access to all data</b>	GERMANY (BSH)	32	No
	IRELAND (INFOMAR)		Yes – Pcw
	ITALY (Lazio Region)		No
	FRANCE (Litto3D),		No
	ESTONIA (MAE)		No
	SLOVENIA (GIS)		No
<b>Open access to all data with some costs</b>	ITALY (IIM)	10	No
	NORWAY (NHS/NMA)		Underway
<b>Restricted access to all data</b>	FRANCE (SHOM)	37	No
	BELGIUM (MDK)		No
	LATVIA (MAL)		No
	PORTUGAL (IHPT)		No
	ROMANIA (DDNI and GeoEcoMar))		No
	LITHUANIA (LMSA)		Underway
<b>Restricted access to some data</b>	GREECE (HNHS)	21	No
	ITALY (ISPRA)		No
	NETHERLANDS (Rijkswaterstaat)		No
	SWEDEN (SMA)		Benchmarking



# INFOMAR

Integrated Mapping for the  
Sustainable Development  
of Ireland's Marine Resource

## COST BENEFIT ANALYSIS – MAPPING

**US**  
**(Levenson 2012)**

**35:1**

**IRELAND**  
**(PWC 2008)**

**4:1**

**CAMEROON**  
**(Ache, 2011)**

**8:1**

**PHILIPPINES**  
**(Tamtomo, 2011)**

**5.5:1**



# HARNESSING OUR OCEAN WEALTH



An Integrated  
Marine Plan for  
Ireland



# Our Ocean Wealth



# Global Ocean Wealth

**Size**  
**0.9m km<sup>2</sup>**  
(90% of Ireland)

**Value**  
**€1.4bn**  
(Gross Value Added)

**0.8%**  
**GDP**



**Size**  
**361m km<sup>2</sup>**  
(70% of the earth's surface)

**Value**  
**€1,200bn**

**2%**  
**of GDP**

## HARNESSING OUR OCEAN WEALTH TARGETS

Double the value of Our Ocean Wealth to 2.4% of GDP by 2030

Increase the turnover from our ocean economy to exceed €6.4billion by 2020

### IMPACT

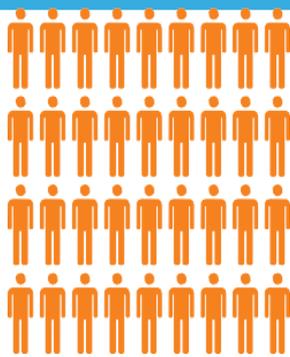
Additional Growth €2.7bn in the wider economy

Additional 29,300 jobs

(16,000 marine sector

+ 13,200 wider economy)

# Ireland's Ocean Economy

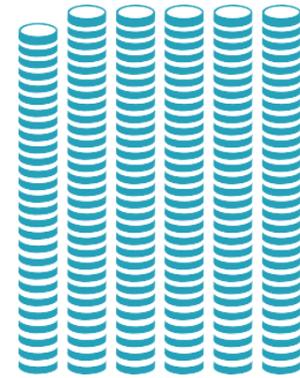


**Employment**  
18,480 FTEs

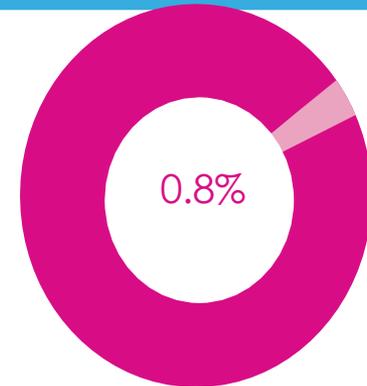


€4.5b

**Turnover**  
€4.5bn

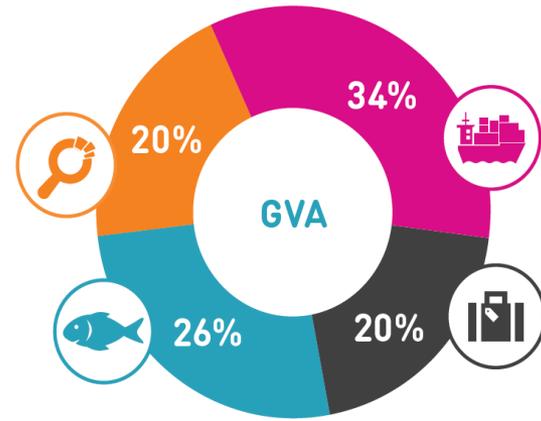
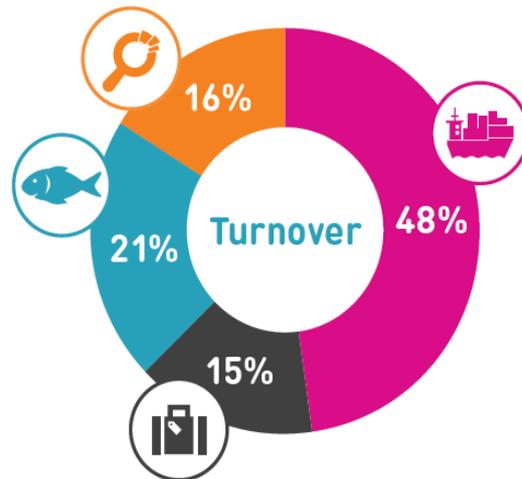
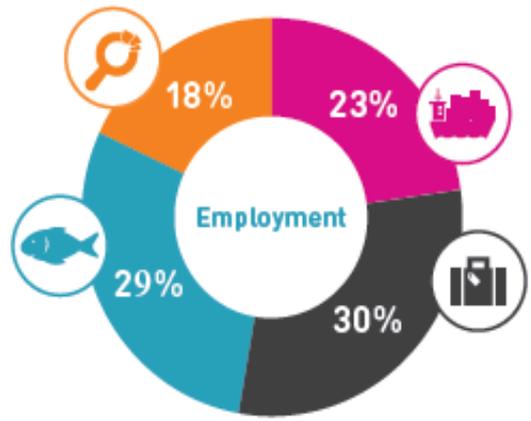


**GVA**  
€1.4bn



0.8%

**%GDP**  
0.7%



MARITIME TRANSPORT SERVICES

MARITIME & COASTAL TOURISM & LEISURE

Coastal Mapping



SEAFOOD (INCLUDING FISHERIES, AQUACULTURE, SEAFOOD PROCESSING)



OTHER SECTORS

# ENABLERS

Governance

Maritime Safety,  
Security &  
Surveillance

Clean – Green –  
Marine

Business  
Development,  
Marketing &  
Promotion

Research,  
Knowledge,  
Technology &  
Innovation

Capacity,  
Education,  
Training &  
Awareness

Infrastructure

International  
& North/South  
Cooperation

# SECTORS



Seafood (Fisheries, Aquaculture,  
Seafood Processing)

€1,000  
MILLION

**SOURCE**

Target for seafood set  
under Food Harvest 2020



Maritime Commerce  
and Ship Leasing

€2,600  
MILLION

**SOURCE**

IMDO 2020 projection



Marine and Coastal Tourism  
and Leisure (including Cruise  
Tourism)

€1,500  
MILLION

**SOURCE**

Fáilte Ireland 2020  
projection



Marine ICT and Biotechnology

>€61  
MILLION

**SOURCE**

Projected based on 2007  
SEMURU company survey



Ports and Maritime Transport  
Services, Maritime  
Manufacturing, Engineering,  
Offshore Oil and Gas, other  
marine industries

>€1,200  
MILLION

**SOURCE**

As measured from the  
most recent comprehensive  
review of Ireland's Ocean  
Economy

**PROJECTED ANNUAL TURNOVER 2020 > €6.4 BILLION**

## OUR VISION

*Our ocean wealth will be a key element of our economic recovery and sustainable growth, generating benefits for all our citizens, supported by coherent policy, planning and regulation, and managed in an integrated manner.*

GOAL

1

### THRIVING MARITIME ECONOMY

- Sustainable economic growth of our marine/ maritime sectors
- Increase the contribution to our national GDP
- Deliver a business-friendly yet robust governance, policy and planning framework

GOAL

2

### HEALTHY ECOSYSTEMS

- Protect and conserve our rich marine biodiversity and ecosystems
- Manage our living and non-living resources in harmony with the ecosystem
- Implement and comply with environmental legislation

GOAL

3

### ENGAGING WITH THE SEA

- Building on our maritime heritage, strengthen our maritime identity
- Increase our awareness of the value, opportunities and societal benefits
- Engagement and participation by all

**Thank you!**