

Irish Sea Maritime Forum Inaugural Conference



Ireland's Ocean Economy

Up date on recent developments relevant to the Irish Sea

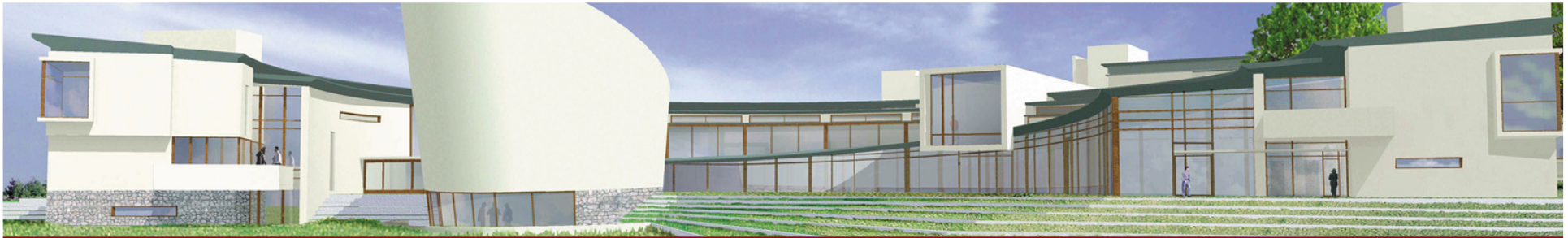


Dr Peter Heffernan, MRIA
CEO
Marine Institute

Titantic, Belfast: Thursday 28th June 2012.

www.marine.ie





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1. **Our Ocean Wealth**
2. **European Union Strategy for the Atlantic (EUSA)**
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The Marine Institute is Ireland's national marine research agency:

“to undertake, to co-ordinate, to promote and to assist in marine research and development and to provide such services related to research and development that, in the opinion of the Institute, will promote economic development and create employment and protect the marine environment”.

Marine Institute Act 1991

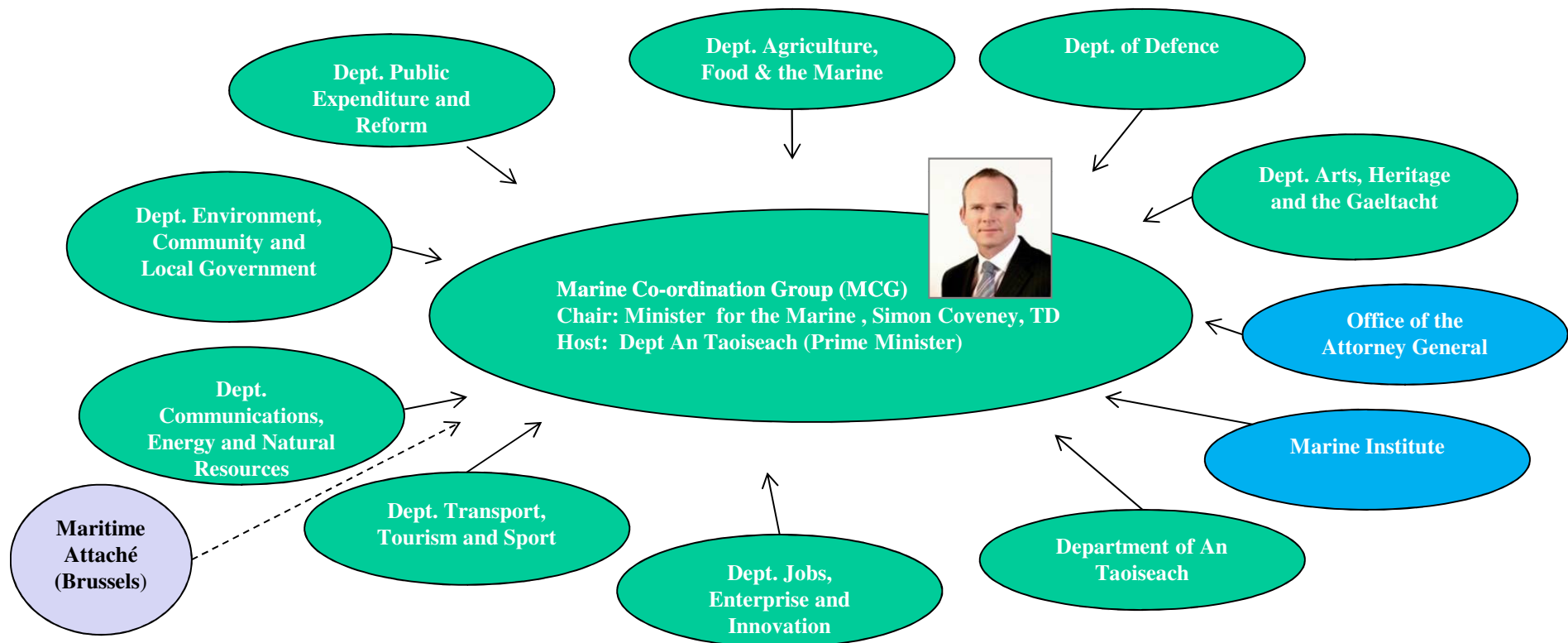
Marine Institute Structure:

- Office of the CEO
- Fisheries Sciences Services
- Marine Environment & Food Safety Services
- Ocean Sciences Services
- Irish Maritime Development Office
- Corporate Services





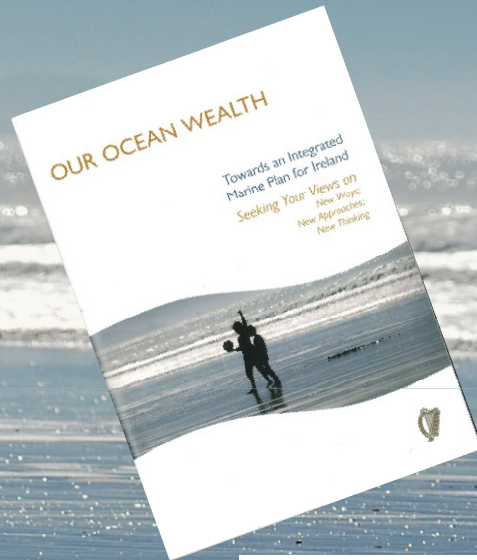
The Inter-Department Marine Co-Ordination Group



Function: To co-ordinate marine/maritime issues that require inter-departmental action

OUR OCEAN WEALTH

Towards an Integrated Marine Plan for Ireland



Discussion document
February – March 2012

As Taoiseach, I want to see us reconnect to the sea in a way that harnesses the ideas, innovation and knowledge of all our people, at home and abroad. I want to see us setting out to secure for ourselves and our children the social, cultural and economic benefits that our marine assets can deliver.

An Taoiseach, Enda Kenny, TD
February 2012.



New Ways – New Approaches – New Thinking

www.marine.ie

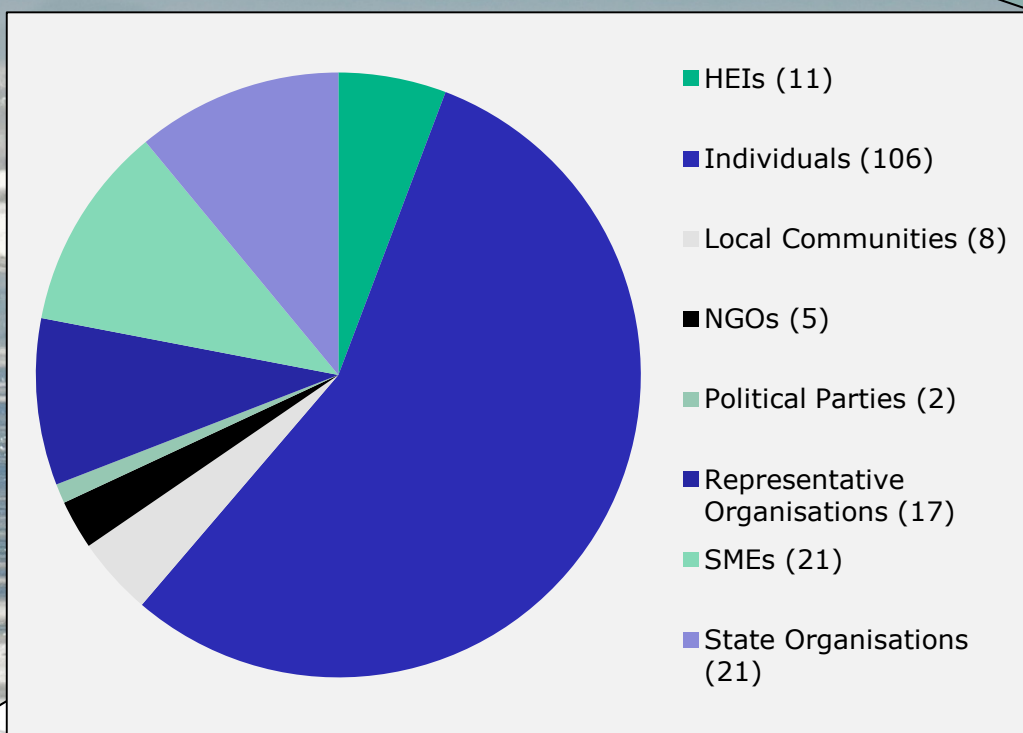
www.OurOceanWealth.ie



HARNESSING OUR OCEAN WEALTH

Towards an Integrated Marine Plan for Ireland

Status: June 2012.



-191 submissions

- Action Plan *in prep*

- Launch (July 2012).

New Ways - New Approaches - New Thinking

www.marine.ie

The European Union Strategy for the Atlantic (EUSA)

The Regional / Sea Basin pillar of the Integrated Maritime Plan for the European Union



The Marine/Maritime Sectors contribution to the **Europe 2020 Strategy** - *economic recovery, growth and job creation through smart, green and socially inclusive growth*

Co-funded through EU's Financial Framework (2014-2020) –
Common Strategic Framework – Partnership Contracts – Operational
Programmes (Cohesion Funds, INTERREG, HORIZON 2020, etc)

Challenges:

- Implementing the ecosystem approach - incl. MSFD/MSP;
- Reducing Europe's carbon footprint;
- Sustainable exploitation of seafloor resources;
- Responding to threats and emergencies;
- Socially inclusive growth.



The European Union Strategy for the Atlantic (EUSA)

The Regional / Sea Basin pillar of the Integrated Maritime Plan for the European Union



2007	An Integrated Maritime Policy for the European Union / Blue Book / Action Plan
2008	Marine Strategy Framework Directive (MSFD)
2008	A European Strategy for Marine and Maritime Research (ESMMR)
2009	Baltic Strategy (2009) – Arctic Strategy (2009) – Med (<i>In prep</i>)
2010	Commission initiates discussion on Atlantic Strategy / EUSA Green Paper



Nov 2010:	Irish government (MCG) submits positive response
Dec 2010:	Joint Irish-French-Spanish-Portuguese Statement supporting EUSA
Nov 2011:	Commission Communication: “Developing a Maritime Strategy for the Atlantic Ocean Area”
Feb 2012	EUSA concept introduced at Malahide (Co Dublin) Conference
May 2012:	Requested Member States response to Communication submitted (by MCG)

Indicative timeline :

- Preparation of **Draft Action Plan** for MS/Public Comment (Atlantic Forum Website) Jul/Aug
- **Regional Workshops** (Sept 2012 – March 2013)
- Launch of **Action Plan** (Under auspices of Irish-EU Presidency) – 2013.

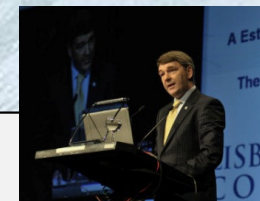
Atlantic Forum website:

http://ec.europa.eu/maritimeaffairs/policy/sea_basins/atlantic_ocean/index_en.htm

Irish (RoI) representation on:

EUSA Leadership Group: Dr Peter Heffernan, MI

EUSA Steering Group: Ms Ciara Delaney, Irish Maritime Attaché, Brussels



MI CEO keynote speaker at official launch – Lisbon (Portugal) Nov 2011.

Draft Plan for Regional Meetings:

Sept 2012:	Azores, Portugal
October 2012:	Brest, France
November 2012:	Bilbao, Spain
February 2013:	Cardiff, Wales
March 2013:	Galway Ireland

The Marine Strategy Framework Directive (2008)

The marine environmental pillar of the Integrated Maritime Plan for the European Union



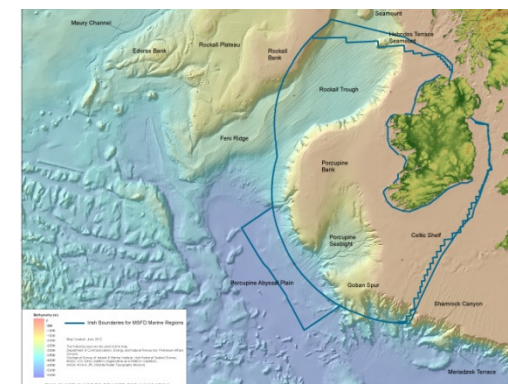
Implementation in Ireland

The MSFD establishes a framework within which Member States shall take the necessary measures to achieve or maintain good environmental status in the marine environment by the year 2020 at the latest:-

- Initial assessment of marine waters by 2012;
- Determination of GES based on the eleven GES Descriptors by 2012;
- Establish environmental targets and indicators to guide progress towards achieving GES by 2012.
- Establish monitoring programmes for assessments of GES by 2014.
- Establish Programme of measures by 2015 and operational by 2016

Eleven indicators of GES:

1. Biodiversity
2. Non-indigenous species
3. Commercial fish and shellfish
4. Food Webs
5. Eutrophication
6. Seafloor integrity
7. Hydrographical conditions
8. Contaminants
9. Contaminants in seafood
10. Marine Litter
11. Energy (incl. Noise)



EU MFSD Website: <http://ec.europa.eu/environment/marine>

The Marine Strategy Framework Directive (2008)

The marine environmental pillar of the Integrated Maritime Plan for the European Union



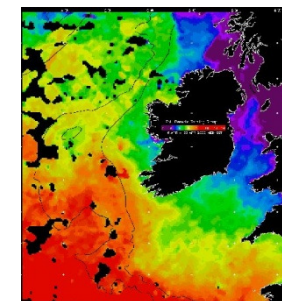
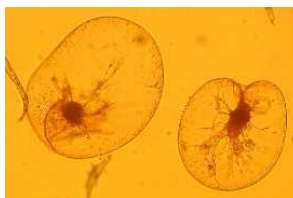
Implementation in Ireland

Work on the implementation of the MSFD is ongoing in Ireland in partnership with the relevant Departments, State Agencies and contracted consultants:-

- Initial assessment – integrated using ODEMM
- Socio-economic assessment
- Spatially mapped activities and pressures
- Spatially mapped characteristics (habitats/species range)
- Prioritise impacts of pressures on characteristics.

Eleven indicators of GES:

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Integrated Maritime Policy



Maritime Spatial Planning (MSP)

The Integrated Maritime Policy seeks to provide a more coherent approach to maritime issues: -

- Marine data and knowledge
- Integrated maritime surveillance
- Maritime spatial planning
- Blue growth
- Sea basin strategies



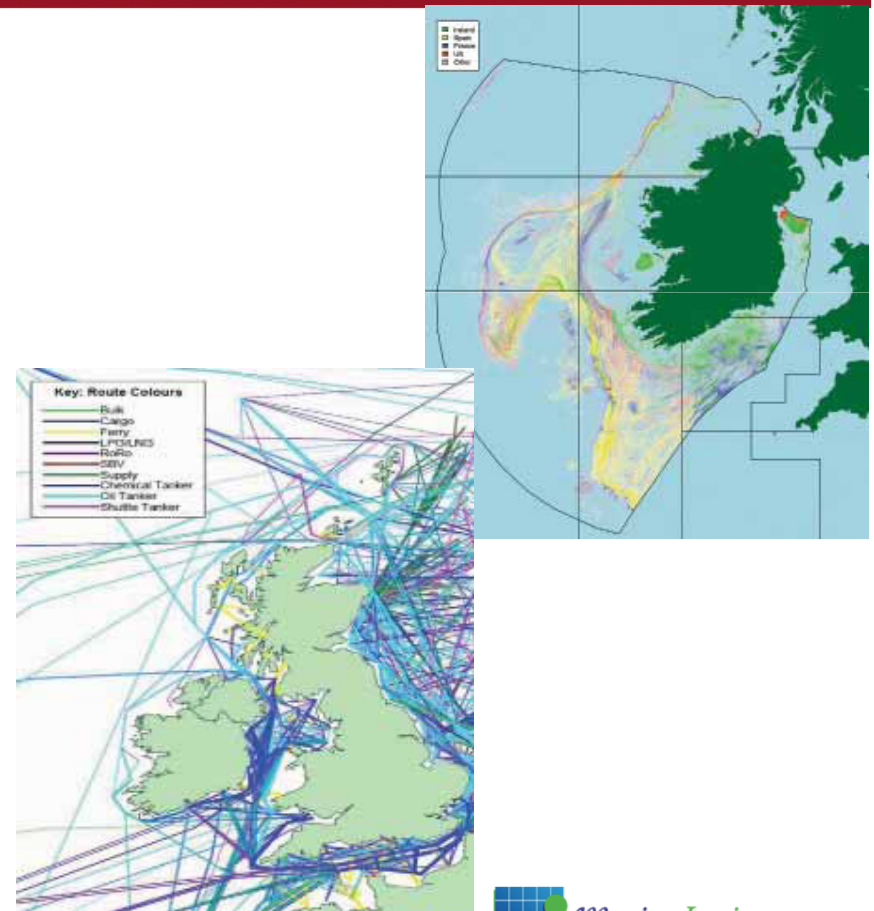
http://ec.europa.eu/maritimeaffairs/policy/index_en.htm

Integrated Maritime Policy



Maritime Spatial Planning and ICZM

- EC are considering a “*light touch*” legislative proposal on MSP and ICZM before the end of the year.
- Focus on cross-border MSP
- No new structures or objectives

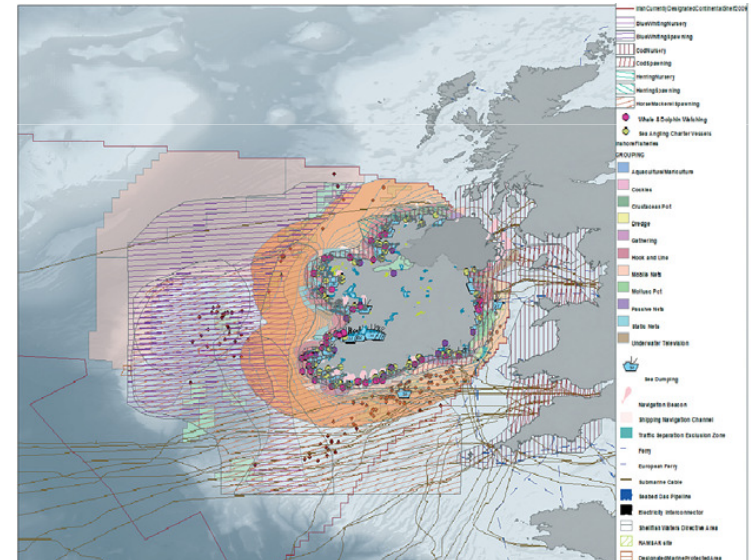


Maritime Spatial Planning (MSP)

Developments in Ireland - Our Ocean Wealth

MSP in Ireland informed by:-

- The establishment of an overall vision and policy framework through Our Ocean Wealth
- Proposals on MSP at an EU level
- The implementation of the MSFD





Some Co-Operative Projects of relevance

EU FP7 MSFD Ocean of Tomorrow (2012) – Co-operative GES Projects:

1. Innovative Tools for Understanding and Assessing Good Environmental Status of Marine Waters
2. Integrating the role of benthic systems in fisheries management (GES 3 & 6) – **BENSIS** (MI)
3. Innovative biotechnologies for tackling oil spill disasters (GES 8) – **KILL SPILL** (NUI-G)
4. Improving safety and quality of seafood (GES 9).
5. Biotechnological solutions for the degradation of synthetic polymeric materials (GES 10)
6. Management and potential impacts of litter in the marine and coastal environment (GES 10)
7. Assessment and mitigation of noise impacts of the maritime transport on the marine environment (GES 11).
8. Improve scientific knowledge base to support the implementation of the Marine Strategy Framework Directive – **STAGES** (AquaTT)



DGMare Call 2012/08 - Project on Maritime Spatial Planning in the Atlantic, including Celtic Sea and Bay of Biscay

INTERREG-IV: Irish Sea Projects

CSTP	Celtic Sea Trout Project
SUSFISH	Shellfish productivity in the Irish Sea: Working towards a sustainable future
ECOJEL	Managing the Opportunities and Detrimental Impacts of Jellyfish in the Irish Sea
SCSC	Smart Coasts-Sustainable Communities
ISLES	Irish Scottish Links on Energy Study
INIS HYDRO	Ireland, Northern Ireland and Scotland Hydrographic Survey project

EPA Funded MSFD Projects:-

- Identification of EcoQO for Irish Waters.
- A Register and Atlas of Noise in Irish Waters



And finally

An advertisement for the ESOF 2012 Atlantic Symposium Dublin Convention Centre, Thursday 12th July 2012.



Prof. John Delaney,
University of Washington, USA



Dr Michael Crosby,
MOTE Marine Laboratory,
Florida, USA.

ESOF 2012: Atlantic Symposium The Atlantic – A Shared Resource

Keynote Presentations

- **What once divided now unites**
- **The Atlantic Ocean - how it works**
- **The Atlantic Resource Base: Threats & Opportunities**
- **Opportunities for Scientific Collaboration**



Prof Michael St John,
Technical University of
Denmark



Mr Robert-Jan Smits,
Director General,
Research and Innovation,
European Commission.

ESOF Website: (<http://esof2012.org>)

Chair: Dr Peter Heffernan, CEO, Marine Institute, Ireland.

Panel Members:

Dr David Conover, Director, Division of Ocean Sciences, National Science Foundation, USA.

Prof James J. McCarty, Alexander Agassiz Professor of Biological Oceanography, Harvard University, USA.

Prof Scott Glenn, Professor of Physical Oceanography, Rutgers University, Institute of Marine and Coastal Sciences, USA.

Dr Sybille van den Hove, Visiting Professor, University of Barcelona, member of the Scientific Committee of the European Environment Agency (EEA).



Irish Sea Maritime Forum Inaugural Conference

Belfast: 28th June 2012.



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