



# Navigating to 2050

A safe and sustainable maritime future

#NavigatingTo2050



## Martina Hennessy

Principal Officer

Department of the Environment  
Climate and Communications



Commissioners of  
**IRISH LIGHTS**

Navigation  
and Maritime  
Services



Rialtas na hÉireann  
Government of Ireland

# Developing a Shared and Safe Space for ORE

Martina Hennessy

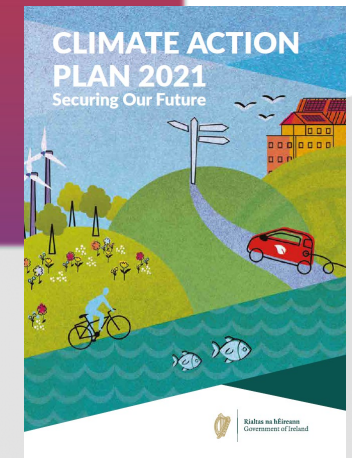
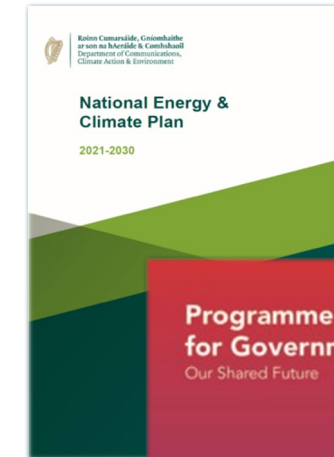
16/11/2022



# ORE Policy Context



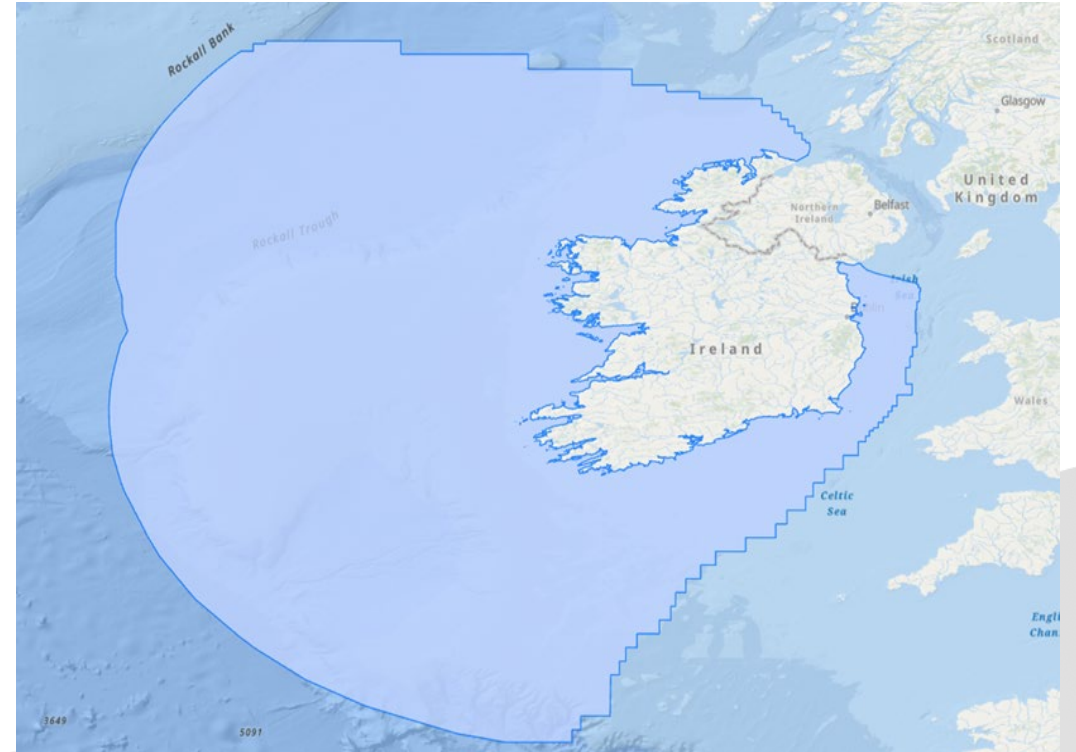
- National context:
  - 5GW offshore wind by 2030
  - **+2GW green hydrogen**
  - up to 80% renewable electricity by 2030
  - 30GW offshore floating post-2030
- European Context:
  - 60GW wind by 2030
  - 300GW wind by 2050
  - 40 GW wave/tidal by 2050
  - Green Deal - 55% GHG reduction by 2030



# Ireland's Maritime Area



- Sea area of 490,000 square kilometres
- 7 times its landmass
- One of the most energy productive coasts in Europe
- Considerable, yet undeveloped ORE potential



# Phase 1 – in progress



- Maritime Area Planning Act 2021
- 8 pre qualified ORE projects - Maritime Area Consents applications in progress
- 1<sup>st</sup> offshore support scheme auction – Q4 2022
- Apply to ABP for planning permission - 2023
- Projects energise: 2026+



	1. Oriel Windfarm
	2. Dublin Array (formerly Kish Bank)
	3. Dublin Array (formerly Bray Bank)
	4. Codling Wind Park (formerly Codling I)
	5. Codling Wind Park (formerly Codling Extension)
	6. Sceirde Wind Farm
	7. North Irish Sea Array (NISA)
	8. Arklow Bank

# Phase 2



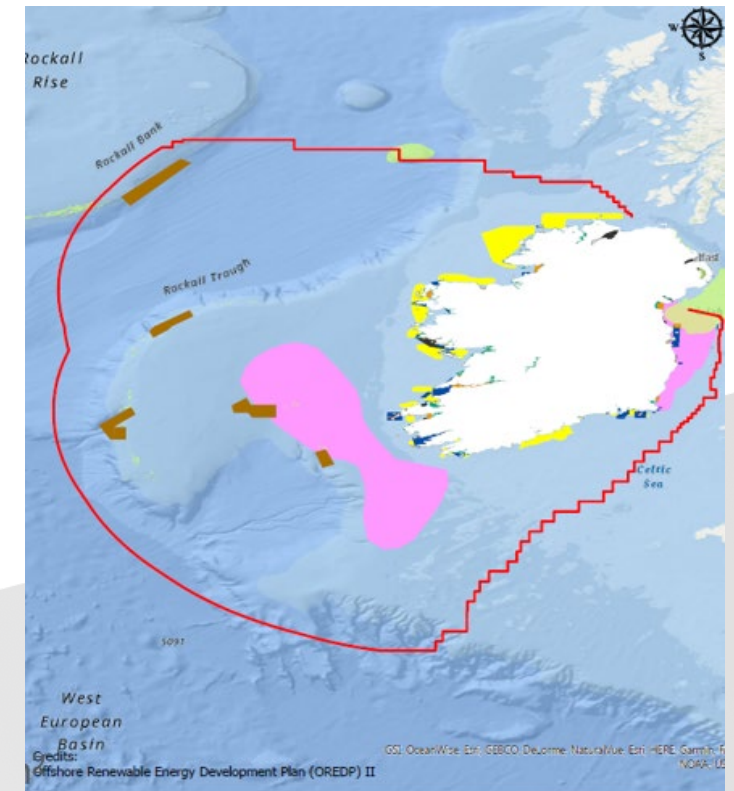
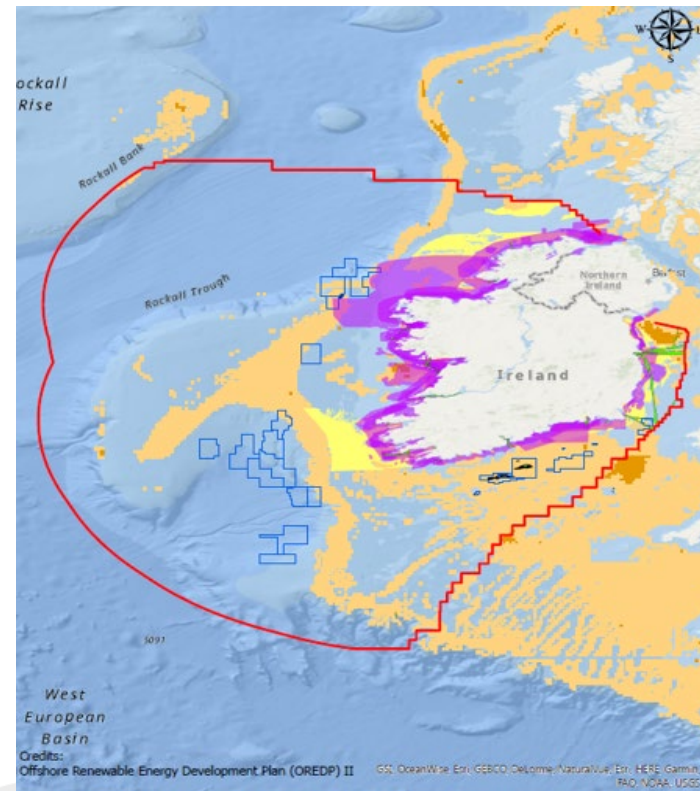
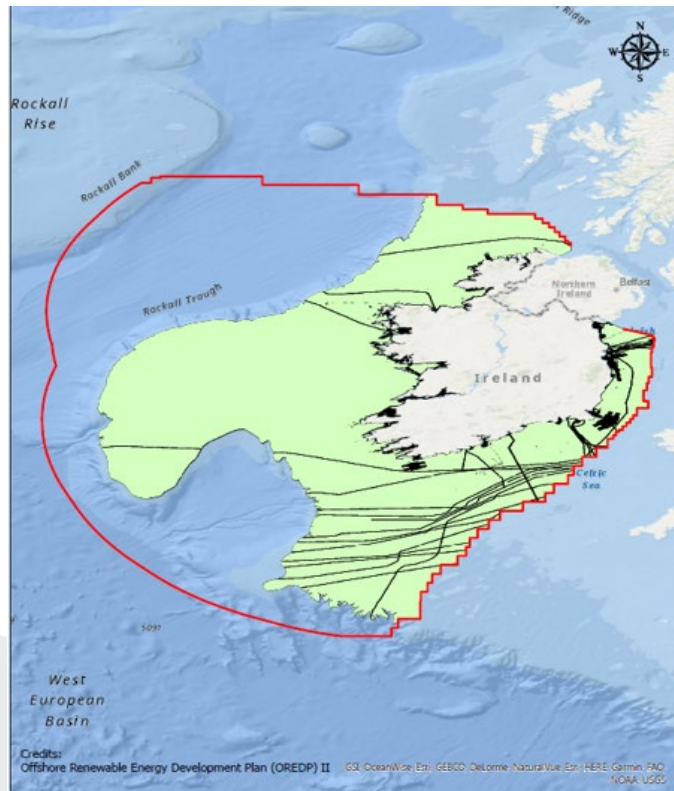
- Close gap from Phase 1 to 5GW
- Get viable projects into the pipeline
- Decision on Phase 2 – 2022
- MAC applications to MARA
- Participate in 2<sup>nd</sup> offshore auction
- Projects energise: 2028+



# Transitioning to an enduring plan-led regime



- Offshore Renewable Energy Development Plan II
- Assessing navigation, environmental, economic, heritage, infrastructure data



# ORE Safety Regime



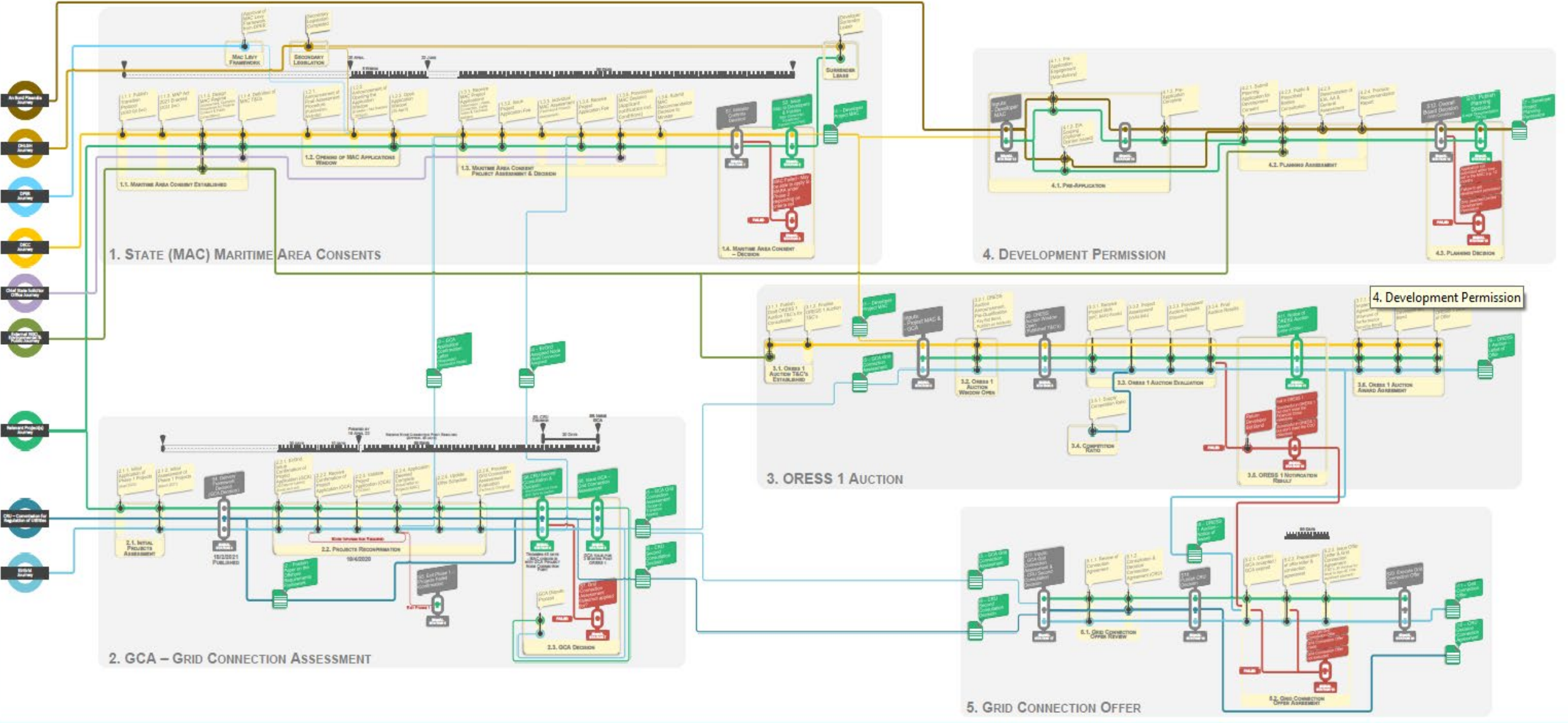
- Internationally offshore wind safety performance lags other more established industries
- Safety considerations need to be built in early
- In Ireland, attention now on this work
- Petroleum safety regime is a starting point
- Considering scope including:
  - Lifecycle - construction/maintenance
  - Navigation – marine and aviation
  - Vessels/crews







# DECC ORE PHASE 1 JOURNEY MAP v1.4.



# Final remarks



- In the midst of an exciting period of change
- Establishment of ORE offers huge opportunities
- Success will be dependent on an integrated approach to management of activities in our maritime area



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**Thank you**





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