Objective

• Assess economic state of small scale fishing fleet in Ireland
• Analyse diverse datasets
• Synthesise information on this data poor fleet
Inshore Classification

- The Irish Register classifies vessels into one of five segments;
- Pelagic,
  Beamer,
  Polyvalent,
  Specific and
  Aquaculture.
Fleet Capacity (Numbers, GT, kW)
Definitions

- **Inshore Fleet** – polyvalent general, polyvalent potting or specific vessel less than 10m in length
- **Coastal Fleet** - polyvalent general, polyvalent potting or specific vessel less than 12m in length encompassing the Inshore Fleet defined above
Fleet (<12m) Capacity Frequency

![Graph showing the distribution of vessel lengths over different years. The graph indicates the frequency of vessels within certain length ranges for each year from 2008 to 2014. The y-axis represents the vessel number, and the x-axis represents the overall length in meters. The data shows peaks in the frequency of vessels around specific length segments in each year, with slight variations across the years.](image-url)
Fleet (<12m) Capacity Frequency

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Inshore Gear

- **The primary gear registered by the inshore fleet in 2014 is** pots or traps, such as creels, **amounting to 56% of the total registered inshore fleet.**
- The second most prevalent form of gear is **gillnets**, comprising of 16% of the registered inshore fleet.
- **Dredges** are the third most commonly registered main gear accounting for around 14% of the total registered inshore fleet.
- The remaining gear comprised of drift nets, mechanic or hand dredges, long lines, bottom/mid-water otter trawls and purse/Danish/Scottish seines.
Vessel Number by Segment

<12m Polyvalent Potting Composition

- <6m: 293, 294, 296, 298, 225, 230, 226, 229, 227, 227, 221
- 6-10m: 174, 175, 175, 180, 234, 224, 219, 208, 206, 208, 201
- 10-12m: 27, 28, 28, 27, 30, 31, 31, 30, 25, 25, 25

<12m Polyvalent General Composition

- <6m: 389, 375, 334, 334, 275, 311, 359, 391, 425, 429, 409
- 6-10m: 512, 480, 440, 425, 517, 567, 581, 607, 639, 644, 620
- 10-12m: 152, 151, 168, 171, 179, 172, 174, 169, 169, 170, 167

<12m Specific Composition

- <6m: 7, 5, 4, 2, 1, 1, 1, 1, 1, 0
- 6-10m: 43, 39, 42, 45, 52, 67, 72, 69, 69, 71, 63
- 10-12m: 17, 15, 13, 15, 40, 45, 49, 48, 47, 47, 45

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Data Source

- **Landing** and Effort Data – EU Logbooks for vessels 10-12m fleet (Coastal minus inshore).
- **Sales notes** data for all vessels. Reporting is not reliable and is known not to be 100%. Comparisons of Landings from Logbooks data with Sales Notes data for the 10-12m segment demonstrate that Sales Notes can represents up 60% presented in the Logbook data.
- **Economic Data** from Data Collection Framework Surveys for the 10-12m fleet.
- Sample of Inshore Fleet under the **Sentinel Vessel Programme** – Landings, Effort and Economic Data from under 10m fleet (Inshore).
- The **activity of the <10m fleet** was also estimated using the activity level of the **10-12m fleet** as a proxy.
Declared Landings & Revenue
Sales Notes 2013
Total Declared Landings and Revenue Inshore and Coastal

**Landings (2009-2013 Avg)**

- **Inshore**
- **Coastal**

**Revenue (2009-2013 Avg)**

- **Inshore**
- **Coastal**

Legend:
- Polyvalent General
- Polyvalent Potting
- Specific
Total Sales Notes Landings and Revenue Inshore and Coastal
Activity of the Fleet

- Based on 1012 activity of each segment
Income and Costs

Polyvalent General

Polyvalent Potting

Specific
Income and Costs

Economic Results

- FuC
- CrC
- RmC
- VaC
- FxC
- CaC
- TC
- TI
- Net Profit

Inshore vs Coastal
Short-term & long-term Economic State

Breakeven Point

Value (€,000)

Segment/Vessel Length

Poly Gen

Potting

Poly Gen

Potting

Specific

Poly Gen

Potting

Specific

VL0006

VL0006

VL0610

VL0610

VL0610

VL1012

VL1012

VL1012

BER

Ti
Conclusion

• Analysis of multiple databases in order to raise revenue up to fleet level failed
  – Possibly due to direct selling of inshore and coastal fishers
• Raised revenue did not approach total costs from Sentinel survey
• Revenue stated in survey was required to assess economic state
• Very Positive results for Inshore Fleet
  – Revenue ~€35M – Profit ~€17M
Thank you for your attention