

December Council Regulatory Impact Assessment Methodology

The European Commission publishes their proposals for total allowable catches (TACs) before the December Council meeting where EU fisheries ministers negotiate among themselves and with the EU Commission on the final TACs to be set for the following year. In 2015, COM(2015) (559 final): *Proposal for a COUNCIL REGULATION fixing for 2016 the fishing opportunities for certain fish stocks and groups of fish stocks, applicable in Union waters and, for Union vessels, in certain non-Union waters* provided Total Allowable Catch (TAC) and member state shares (quota) advice for 153 fish stocks.

In further official documents [14283/15 PECHE 437 - issued on 18th November 2015; 14380/15 PECHE 441 - issued on 25^h November 2015; 14380/15 ADD 1 PECHE 441 – issued on 26th November 2015; including correction of error in 14380/15 ADD 1 PECHE 441 sent on 27th November 2015], quota proposals were presented for 7 additional stocks and a number of stocks were updated.

In this document the methodology used to estimate the socio-economic impact of these proposed TACs on the Irish fishing fleet and on Irish coastal communities is detailed in bullet points using the reference year of 2015. Please note that in subsequent years the same data sources are utilised with the most recent data available.

- Contrast proposed TACs with previous years' published TACs (January version)
- Using latest sales notes data apply price to each stocks' TACs
- Calculate change in value in euro by stock
- Group stocks according to regional seas (Area VI, AREA VII, Others) and species group (Whitefish, Pelagic, Others)
- **Sum changes in value from proposals to estimate economic impact in euros by groups**
- Calculate change in value in euro by DAFM segments
 - Estimate latest total landed value by Irish fleet segment and main vessel length category by stock through landings declared and average sales notes prices
 - Apply proportional change in TAC value from proposed TACs to the estimated total landed value by Irish fleet segment to estimate future landed value by fleet segment
- Calculate change in value in euro by main ports
 - Estimate latest total landed value by main Irish ports by stock through landings declared and average sales notes prices
 - Apply proportional change in TAC value from proposed TACs to the estimated total landed revenue by main Irish ports to estimate future landed value into main Irish ports
- Calculate change in value in euro by Irish county
 - Estimate total landing revenue by Irish county by stock through landings declared and average sales notes prices
 - Apply proportional change in TAC value from proposed TACs to the estimated total landed revenue by county to estimate future landed value by county

- Full time employment (FTE) and total employed from DCF survey data are described by:
 - DAFM segment
 - County
- Technical characteristics (Number of vessels and total engine power (measured in kilowatts)) of the DCF surveyed fleet are described by:
 - DAFM segment
 - County
- Technical characteristics (Number of vessels and total engine power (measured in kilowatts)) of the total active fleet are described by:
 - DAFM segment
 - County
- FTE and total employed are raised from sample to the population level via engine power by:
 - DAFM segment
 - County
- **Proportional changes in value of DAFM segment applied to FTE and total employed estimates in said segments to estimate direct impact on FTE and total employed in fishing sector**
- **Using county employment estimates, apply most relative employment multiplier¹ to each county, and apply to estimated change in employment by county due to proposed TACs to estimate the downstream impact of the proposals**

¹ Employment multipliers have been estimated for Killybegs, Castletownbere and Ros An Mhíl.

Data sources

2015 TACs: *COUNCIL REGULATION (EU) 2015/104 of 19 January 2015 fixing for 2015 the fishing opportunities for certain fish stocks and groups of fish stocks, applicable in Union waters and, for Union vessels, in certain non-Union waters, amending Regulation (EU) No 43/2014 and repealing Regulation (EU) No 779/2014.* **Source:** Official Journal of the European Union.

2016 TAC proposals: *Proposal for a COUNCIL REGULATION fixing for 2016 the fishing opportunities for certain fish stocks and groups of fish stocks, applicable in Union waters and, for Union vessels, in certain non-Union waters.* **Source:** Brussels, 10.11.2015 COM(2015) 559 final 2015/0259 (NLE).

1st update to 2016 TAC proposal: 14283/15 PECHE 437 - issued on 18th November 2015; **Source:** Council of the European Union

2nd update to 2016 TAC proposal: 14380/15 PECHE 441 - issued on 25^h November 2015; **Source:** Council of the European Union

3rd update to 2016 TAC proposal: 14380/15 ADD 1 PECHE 441 – issued on 26th November 2015; **Source:** Council of the European Union

Correction to 14380/15 ADD 1 PECHE 441 sent on 27th November 2015; **Source:** Council of the European Union

Price data: *Sales notes data 2014.* **Source:** Sea Fisheries Protection Agency (SFPA)

Landings data: *Landings declarations 2014.* **Source:** Marine Institute (MI) & SFPA

Regional distribution data: *Irish fleet register.* **Source:** Department of Food, Agriculture and the Marine.

Employment data: *Data Collection Framework (DCF) survey data.* **Source:** Bord Iascaigh Mhara (BIM)

Employment multipliers:

- Macfadyen, G., Keatinge, M., O Donoghue, S., and Kavanagh, A., 2010. *Assessment of the status, development and diversification of fisheries-dependent communities: Killybegs Case Study Report.* **Source:** BIM. Available at: http://www.bim.ie/media/bim/BIM_Killybegs_Case_Study_Report_July_2010.pdf
- Bord Iascaigh Mhara, IS&WFPO and Poseidon, 2012. *Castletownbere: An Economic Survey to Determine the Level of Seafood Activity and Establish its Economic Importance for the Region.* **Source:** BIM. Available at: http://www.bim.ie/media/bim/content/publications/EconomicSurvey,to,Determine,the,Importance,of,Seafood,Activity,for,Castletownbere,Region_April2012.pdf
- Bord Iascaigh Mhara, 2015. *Ros an Mhíl: An Economic Survey to Determine the Level of Seafood Activity and Establish its Economic Importance to the Area.* **Source:** BIM. Available at: <http://www.bim.ie/media/bim/content/downloads/Ros-an-Mhil-Report-May-2016-Final.pdf>