

Working Group II meeting

21 April 2016, Den Haag, The Netherlands

Agenda

15:00	Opening of the meeting
15:05	Adoption of the agenda
15:10	Follow-up on action items
15:20	Herring in Vla South and VIIb,c <ul style="list-style-type: none"> • Update genetics project (Ed Farrell) • Update mini-survey plan (Martin Pastoors) • Update Commission's proposal on 2016 TAC
15:50	Western horse mackerel <ul style="list-style-type: none"> • The usefulness of the northwestern herring and boarfish acoustic survey in relation to horse mackerel • Utilization of groundfish surveys to calculate a juvenile index • Update stock ID pilot study
16:20	Update management plans <ul style="list-style-type: none"> • Northeast Atlantic mackerel • Southern horse mackerel • Boarfish (Commission views on additional measures) • Irish Sea herring
16:50	AOB
17:00	End of meeting



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Action items

General

- Raise the issue of non-quantitative stakeholder information with ICES at the 2017 MIACO meeting (chairman)
- Circulate corrected boarfish management plan (secretariat) ✓

Northeast Atlantic mackerel

- Upload Coastal States draft management strategy to the Pelagic AC website (secretariat) ✓
- Ask ICES what the appropriate MCRS for mackerel would be (chairman, secretariat)

Southern horse mackerel

- Arrange a meeting with Manuela Azevedo, Gersom Costas and representatives of the SWWAC to present the work on biological reference points and continue development of a management strategy (José Beltran, secretariat)



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Action items

Western horse mackerel

- Follow up on the TAC and Quotas regulation error. (Frederik Schutyser)
- Present the ground fish surveys modelling work at the July meeting. (Andy Campbell)
- Present the genetic work at the July meeting. (Ed Farrell)
- Continue work on additional data sources, prepare for benchmark 2017 and continue development of a management strategy (Focus Group)

Herring in area Vla and VIIb,c

- Develop rebuilding plan based on genetic stock identification and acoustic mini-surveys (Focus Group)



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Action items

Irish Sea herring

- Provide update on planned meeting in relation to management strategy development (Alan McCulla)

Boarfish

- Circulate corrected boarfish management strategy (secretariat) ✓
- Provide advice on how to approach closures in management strategy so that they get implemented (Frederik Schutyser)
- Ask Marine Institute in Ireland to provide update on the boarfish assessment model (Sean O'Donoghue)



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Herring Vla South and VIIb,c

- Update genetics project (Ed Farrell)
- Update mini-survey plan (Martin Pastoors)
- Update Commission's proposal on 2016 TAC



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Vla Herring stock ID project Update



Pelagic AC, Working Group II,
21st April 2016, Den Haag

Edward D. Farrell, Jeanette E.L. Carlsson & Jens Carlsson
University College Dublin

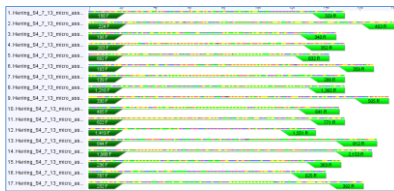
Baseline Samples



- DNA extracted from all samples c.1300 herring
- High-throughput protocol developed with Weatherbys Ltd.
- Ready for inclusion in screening step

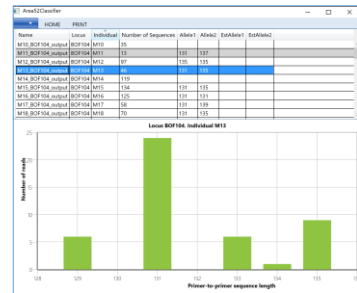
Genetic Marker Development - Completed

- Reanalysed the 91 markers used in the pilot study
- Redesigned or removed markers that had scoring issues
- Also redesigned and added 23 markers from previous herring studies
- Revised panel of 100 microsatellite markers ready
- Sample Screening – Starting May



Automated Genotyping App

- Development underway
- Beta version for testing June 2016



Commission Request to ICES Herring VIIa, VIIbc

ICES is requested to advise on the following points, taking into account and further clarifying the STECF advice (https://stecf.jrc.ec.europa.eu/documents/43805/1281129/2015-11_STECF+PLEN+15-03_JRC98672.pdf) where possible:

- the **relevant timeframe** for each stock and its fishery
- the **approximate geographical area** where each fishery should take place
- a **level of catches** that would minimise impact on the stock but would be sufficient to **allow collection of fisheries dependent data** in the two management areas.

Western horse mackerel

- The usefulness of the northwestern herring and boarfish acoustic survey in relation to horse mackerel
- Utilization of groundfish surveys to calculate a juvenile index
- Update stock ID pilot study



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Horse mackerel stock ID pilot study Update



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21st April 2016, Den Haag

Edward D. Farrell, Jeanette E.L. Carlsson & Jens Carlsson
University College Dublin

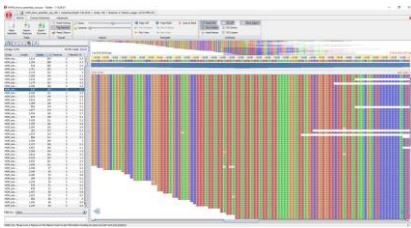
2015 Samples



- Western samples collected July 2015 on Boarfish acoustic survey
- North Sea samples collected June/July 2015 on commercial vessels
- DNA extracted from 96 fish from each sample

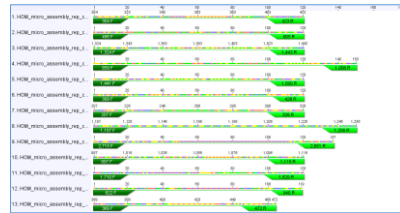
Genetic Marker Development - Completed

- Shotgun sequenced 2 individual fish – 1 Western and 1 North Sea
- 96 novel microsatellite markers identified
- Primers designed for all 96 markers
- 4 extra microsatellite markers from HOMSIR (Kasapidis, 2008)

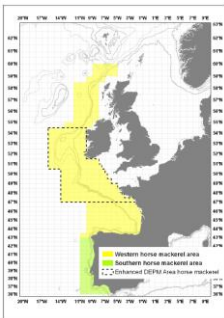


Sample Screening - Underway

- 96 Western fish & 96 North Sea fish
- Being screened at 100 microsatellite loci to validate c. 24 markers
- Laboratory work is underway and sample will be sequenced in early May
- Sequence results will be analysed in June
- Aim to present the results of the pilot study at July Pelagic AC meeting.



MEGS 2016



- One sample confirmed collected to date
- NW Portuguese waters by IPMA
- More expected in coming weeks
- Need to arrange North Sea 2016 samples

Update management plans

- Northeast Atlantic mackerel
- Southern horse mackerel
- Boarfish (Commission views on additional measures)
- Irish Sea herring



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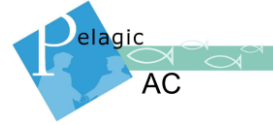
AOB



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Thank you!



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