

2012/2/SSGESST12 The Workshop on Northeast Atlantic mackerel monitoring and methodologies including science and industry involvement (WKNAMMM), chaired by Martin Pastoors*, the Netherlands, and Leif Nøttestad*, Norway, will be established and will meet in two subsequent events. On 25 February 2013, an industry-science workshop in Copenhagen to assess potential contributions of fisheries to data collection for NEA mackerel (ToR a-c) and in Hirtshals, Denmark from 26 February to 1 March 2013 (ToR d-g) to evaluate new survey methodologies for NEA mackerel.

- a) Identify all the data collection procedures for NEA mackerel that exist. Identify the science-industry partnerships that have already been developed or are being developed. Examine and critically evaluate all the different types of surveys and where necessary propose changes.
- b) Identify the key challenges for the assessment and advice for NEA mackerel and propose solutions to meet these challenges. Identify how (new) science-industry partnerships could contribute to the development of information on recruitment, fishing mortality, juveniles and stock size of NEA mackerel.
- c) Set out the process requirements for science-industry partnerships (funding, data access, data interpretation, quality criteria for stock assessment).
- d) Discuss the international implementation of the Radio-Frequency Identification (RFID) tagging-recapture methodology with the industry and how the industry can contribute to improve knowledge of migrations, reduced uncertainty in the estimation of SSB and mortality of the NEA mackerel stock.
- e) Perform tank tests and develop an operation protocol of the Multipelt 832 pelagic trawl.
- f) Evaluate the swept-area method of the NEA mackerel survey based on the joint Norwegian, Icelandic and Faroese 2012 survey, including analyses of depth distribution, degree of patchiness and variability in trawling method.
- g) Plan trawl calibration study between vessels and furthermore develop and agree on a standardized pelagic trawl design, rigging and operational methods of the Multipelt 832 trawl for the ecosystem/mackerel survey in July–August 2013.

25 February workshop in Copenhagen: representatives of fishing industries of all coastal states (EU, Iceland, Norway, Faroe Islands, Russia) and experts on science-industry partnerships, on survey techniques and on stock assessment and advice.

26 February – 1 March workshop in Hirtshals: experts on survey techniques and gear properties. Experts on new surveys for stock assessment and advice. Representatives from mackerel fishing industries. The stakeholders are invited to attend from lunchtime 26 February to lunchtime 27 February 2013. The rest of the workshop will be allocated to scientific issues and include participation from international scientists only.

WKNAMMM will report by 1 July 2013 (via SSGESST) for attention of WGWIDE, WGIPS, SCICOM and ACOM.

Supporting information

Priority	High due to: <ol style="list-style-type: none"> 1. Surveys relevant for the meeting will be carried out May-June and July–August 2013 2. Benchmark on NEA mackerel February 2014.
Scientific justification	Northeast Atlantic mackerel is one of the economically and ecologically most important fish stocks that is widely distributed over the Northeast Atlantic. However, the NEA mackerel assessment is regarded to have a low precision and probably underestimate the abundance of the stock. New methods and data are critically needed on an annual basis to address these shortcomings. Stakeholders are actively seeking mechanisms that would allow inclusion of fishing industry information into the assessment process. The workshop is important to evaluate the potential methods to improve the knowledge base for mackerel.
Resource requirements	For ICES none
Participants	Industry representatives and scientists from EU, Norway, Iceland, Faroe Islands and Russia
Secretariat facilities	Atlantic Room at ICES HQ in Copenhagen
Financial	None
Linkages to advisory committees	ACOM
Linkages to other committees or groups	SCICOM, WGWIDE, WGISUR, WGIPS, WGFAS
Linkages to other organizations	NEAFC