

Request for Scientific Advice from ICES

1. With respect to Atlantic salmon in the North Atlantic area:
 - 1.1 provide an overview of salmon catches and landings, including unreported catches by country and catch and release, and worldwide production of farmed and ranched salmon in 2002;
 - 1.2 report on significant developments which might assist NASCO with the management of salmon stocks;
 - 1.3 provide long-term projections for stock re-building, focussing on trajectories for restoring stocks to target levels above conservation limits;
 - 1.4 provide a compilation of tag releases by country in 2002.
2. With respect to Atlantic salmon in the North-East Atlantic Commission area:
 - 2.1 describe the key events of the 2002 fisheries and the status of the stocks; ¹
 - 2.2 evaluate the extent to which the objectives of any significant management measures introduced in the last five years have been achieved;
 - 2.3 further develop the age-specific stock conservation limits where possible based upon individual river stocks;
 - 2.4 provide catch options or alternative management advice, if possible based on a forecast of PFA, with an assessment of risks relative to the objective of exceeding stock conservation limits;
 - 2.5 validate the methodology and further refine the estimate of by-catch of salmon post-smolts in pelagic trawl fisheries for mackerel and provide estimates for other pelagic fisheries that may catch salmon; ²
 - 2.6 advise on an appropriate methodology to improve knowledge on the distribution and movements of escaped farmed salmon;
 - 2.7 identify relevant data deficiencies, monitoring needs and research requirements.
3. With respect to Atlantic salmon in the North American Commission area:
 - 3.1 describe the key events of the 2002 fisheries and the status of the stocks; ¹
 - 3.2 evaluate the extent to which the objectives of any significant management measures introduced in the last five years have been achieved;
 - 3.3 update age-specific stock conservation limits based on new information as available;
 - 3.4 provide catch options or alternative management advice with an assessment of risks relative to the objective of exceeding stock conservation limits;
 - 3.5 provide an analysis of existing biological and/or tag return data, and recommendations for required data collection, to identify the origin of Atlantic salmon caught at St Pierre and Miquelon;
 - 3.6 identify relevant data deficiencies, monitoring needs and research requirements.

4. With respect to Atlantic salmon in the West Greenland Commission area:
- 4.1 describe the events of the 2002 fisheries and the status of the stocks; ^{1,3}
 - 4.2 evaluate the extent to which the objectives of any significant management measures introduced in the last five years have been achieved;
 - 4.3 provide information on the origin of Atlantic salmon caught at West Greenland at a finer resolution than continent of origin (river stocks, country or stock complexes);
 - 4.4 provide catch options or alternative management advice with an assessment of risk relative to the objective of exceeding stock conservation limits;
 - 4.5 provide a detailed explanation and critical examination of any changes to the model used to provide catch advice and of the impacts of any changes to the model on the calculated quota; ⁴
 - 4.6 identify relevant data deficiencies, monitoring needs and research requirements.

Notes:

1. *In the responses to questions 2.1, 3.1 and 4.1 ICES is asked to provide details of catch, gear, effort, composition and origin of the catch and rates of exploitation. For homewater fisheries, the information provided should indicate the location of the catch in the following categories: in-river; estuarine; and coastal. Any new information on non-catch fishing mortality, of the salmon gear used, and on the by-catch of other species in salmon gear, and of salmon in any new fisheries for other species is also requested.*
2. *With regard to question 2.5, descriptions (gear type; and fishing depth, location and season) should be provided for all pelagic fisheries that may catch salmon post-smolts.*
3. *In response to question 4.1, ICES is requested to provide a brief summary of the status of North American and North-East Atlantic salmon stocks. The detailed information on the status of these stocks should be provided in response to questions 2.1 and 3.1.*
4. *With regard to question 4.5, "changes to the model" would include the development of any new model.*