

2006 resolution for Symposia (Category 3)

2006/3/RMC01 **A Symposium on Reproductive and Recruitment Processes in Exploited Marine Fish Stocks** will be held from 1–3 October 2007 in Lisbon, Portugal, with Richard D. Brodeur, US (PICES), Mark Dickey-Collas, The Netherlands (ICES), Ed Trippel, Canada (NAFO) as conveners.

Selected topics include:

- Factors Affecting Age and Size at Sexual Maturation;
- Demographic and Condition Effects on Fecundity and Spawning Success;
- Timing and Location of Spawning in Relation to Survival of Eggs and Larvae;
- Early Life History Fitness - Environmental and Parental Effects;
- Stock Compensatory and Depensatory Mechanisms to Exploitation;
- Stock Assessment, Predictions and Management Strategies - Modelling of Reproductive Potential and Recruitment.

The Scientific Steering Committee to date includes Joanne Morgan (Canada), Fritz Köster (Denmark), Hilario Murua (EU-Spain), and Anthony Thompson (NAFO Secretariat). A number of other individuals will be selected in consultation with the selected Co-Convenors and the NAFO Scientific Council.

Supporting Information

PRIORITY:	Low stock sizes are resulting in changes to the dynamics of reproductive and recruitment processes of marine fish species. Current knowledge will be reviewed and recommendations made to researchers and managers.
SCIENTIFIC JUSTIFICATION AND RELATION TO ACTION PLAN:	The objective of the symposium is to provide a scientific forum in which investigators could present study findings on reproduction, early life history and recruitment in exploited finfish and invertebrate stocks. The continued low population sizes and low recruitment of many fish stocks necessitates a broad examination of several key biological processes underlying potential stock recovery. Commonly, sessions on reproduction and larval life history stages are segregated at scientific symposia. This symposium will attempt to join these components in a cohesive fashion and thereby facilitate our understanding of factors influencing recruitment in marine ecosystems. The forum is intended to provide opportunities for dialogue among those in these areas of biological study that can be used to foster future research and management strategies relevant to the symposium's theme.
RESOURCE REQUIREMENTS:	Co-sponsorship to include provision of ICES Co-convenor only. (Support and resources will be provided by NAFO, including the publication of the proceedings in a special issue of <i>JNAFS</i> .)
PARTICIPANTS:	About 50-80 researchers from Europe, N. America, Japan and Russia.
SECRETARIAT FACILITIES:	None anticipated from ICES.
FINANCIAL:	Cost of travel, DSA and hotel expenses for ICES Co-convenor ¹ . (NAFO will cover symposium and publication costs.)
LINKAGES TO ADVISORY COMMITTEES:	ACFM
LINKAGES TO OTHER COMMITTEES OR GROUPS:	NAFO Working Group on Reproductive Potential.
LINKAGES TO OTHER ORGANIZATIONS:	NAFO will organise and support the symposium. PICES have already agreed to be a co-sponsor, by providing and supporting a co-convenor.