

# Advances in data-limited assessment methodologies for marine and diadromous stocks

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Theme session N at the ICES Annual Science Conference 2019, 9-12 September,  
Gothenburg, Sweden

**Abstract submission deadline 11<sup>th</sup> March – submit via this page**  
<http://www.ices.dk/news-and-events/asc/asc2019/Pages/Call-for-abstracts.aspx>

## Summary

In order to provide effective scientific advice to management on the sustainable use of fish stocks, it is imperative to develop innovative and practical approaches for identifying and assessing data-limited fisheries and species complexes. This session provides a global forum where the latest advancements in data-limited method development and application are presented and discussed.

## The objectives of this session are to:

- Discuss improvements in monitoring and data collection methods for data-limited species, including fish with complex life history and non-targeted species
- Showcase advancements in single and multispecies data-limited assessment methods
- Quantify uncertainties in stock assessment methods and identify key challenges to method development and application to provide effective advice

**We invite submissions on** research, perspectives, and real-world experiences relating to overcoming challenges in assessing and managing data-limited stocks, as well as on the following topics:

- Survey design and data collection methods for data-limited fisheries
- New and innovative use of models to assess data-limited stocks or species complexes
- Methods to determine and use life history traits to assess stock status
- Stock identification techniques to identify cryptic species or determine composition of mixed stock catches
- Use of meta-analysis or similar species to inform data-limited models
- Development of data-limited stock harvest levels and adaptive management plans
- Management strategy evaluation of data-limited approaches
- Quantifying uncertainties in assessments with a special focus on communicating advice

For more details of the Conference and venue, see <http://www.ices.dk/news-and-events/asc/asc2019/Pages/default.aspx>

## Theme session conveners:

Kristen Omori (USA)  
Liese Carleton (USA)  
Alan Walker (UK)