SESAME

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Background

- Commonwealth Scientific and Industrial Research Organisation (CSIRO)
- Australian Fisheries Management Authority (AFMA)
- Commission for the Conservation of Bluefin Tuna (CCSBT)

SESAME

I was involved in this project when I worked at the CSIRO in 2001-2003.

My colleague Ann Preece was very good at formulating acronyms.

> SESAME: a simulation-estimation stock assessment model evaluation project focused on large pelagic species

A large report documented the project.

This work laid some strong foundations to the Management Strategies Evaluation that subsequently took place for SOuthern Bluefin Tuna.

Do's - things that worked and that I would do the same

- have a strong team that includes a database programmer
- have clearly defined operating model scenarios
- have a clearly defined set of assessment models to apply to the simulated data
- have an agreed-upon format and a shared source for data inputs to models
- have an agreed-upon format and a shared source for the outputs of assessment models
- use R as the Swiss Army knife

Dont's - things that I would do differently today

- Use Word to write the report, this a completely unnecessary hassle
- Rely on an adhoc operating model, not because it was not a good operating model, just because it has been done before by now

  VSM (which is an abbreviation of virtual stock model) is a stand-alone Windows based command line application which simulates multi-species fisheries. - Appendix I SESAME Report

- use source control software