



DATA INVENTORY FOR JACK MACKEREL STOCK ASSESSMENT

Draft proposal prepared by Chile for discussion in the Science Working Group (SWG) during the 3rd International Meeting of the SP-RFMO.

**Reñaca, Chile.
April, 2007**

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1. Identification of stock unit

2. Fisheries description

- Location
- Type of vessels, number, sizes, fishing technology and fishing operation
- Catch and effort data (month, year)

3. Removals

- Catch by fleet (month, year)
- Discards

4. Catch in numbers by size and/or age

- By fishery
- By fleet

Is information available on gear selectivity?
Brief description of sample design.

5. Weight at size and age

- Mean size at age
- Mean weight at age
- Length-weight relationship

How is the fish size measured? Class interval? Fork length?

6. Maturity schedule

- by age
- by size

7. Indices of abundance

Consider if the indices is absolute or relative, sampling design, standardization, linearity between the index and stock abundance, what portion of the stock is indexed (spawning stock, exploitable biomass, recruitment, etc.). Brief description of the method used.

- Cpue
- Swept area (gear survey)
- Acoustic survey

- Eggs survey (Daily Egg Production Method)
- Other

8. Environmental data

How should such data be used in the assessment?

9. Assessment model

Age or size model?

Sequential analysis?

Statistical catch at age (size) model?

Evaluation of uncertainty?

If by size then a growth function is necessary.