

## Social Life Cycle Assessment - its consistency with fisheries' sustainability analysis

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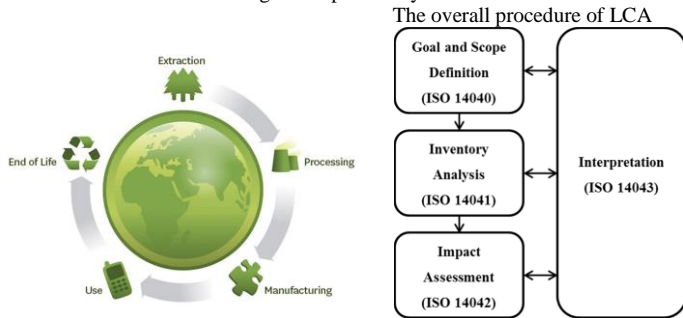
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**MONEY** matters, but ... "fishermen are clearly influenced by many other social and cultural factors as well" (Acheson, 1975; cited by Palmer, 1993)

### Life Cycle Approach

LCA is an instrument to assess the ecological burdens and impacts throughout the consecutive and interlinked stages of a product system.



### Meaning of Social

...the term "social" can be defined as relating to the interaction of human beings with each other, as individuals or as groups. Townsley, "Social Issues in Fisheries" (1998)

### Social Life Cycle Approach

It's close to the philosophy of Life Cycle Assessment.

Its objective is to anticipate the potential changes of a certain product's life cycle on the society (Razès, 2015).

However, to what it may concern the assessment method, SLCA is in an early stage of development where consensus still has to be built (Jorgensen et al., 2008).

1) Due to the dynamism of a human behavior we believe that attributional SLCA could not fully capture the social effects of a production process. The consequences of each action may lead to a diverse behavior of other actors. Therefore a consequential SLCA is proposed that integrates indicators of wellbeing aspects of the social performance of the sector.

2) The wellbeing aspects (materialistic, relational & subjective) should also be measured. Since the fisheries activities are community based therefore, these factors should be searched at the community level. Macro data reflect a whole set of impacts which a large part of them can be attributed to other effects above the responsibility of engaged enterprises of the value chain, therefore their use carries bias in the research's results.

3) To benefit from field participatory data collection. Use of ranking tools would provide us with a numerical functional unit. It would be possible to carry out such analysis for fisheries as single entities or groups.

What do we do to make it consistent to our study?

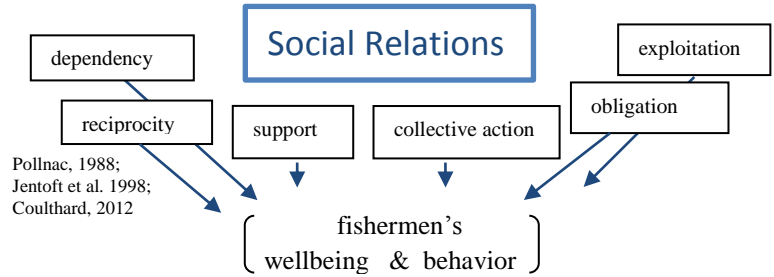
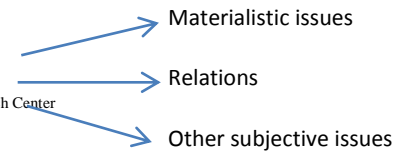


Photo by: telegraph.co.uk

### Well-being Theory

developed at Economic and social Research Center  
University of Bath, UK



To be developed ...

- Method to use?

The two main methods	¿Attributional or	Consequential?
Other names of the two method	Accountancy Retrospective Status-quo Descriptive	Prospective Change-oriented Effect-oriented Comparative
Main characteristics	Use of average data  Easy to use and understand	Measures marginal effects Includes rebound effects

-Which impact categories to be included?

-Only quantitative data can be used? How can qualitative data be integrated?

### References

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