

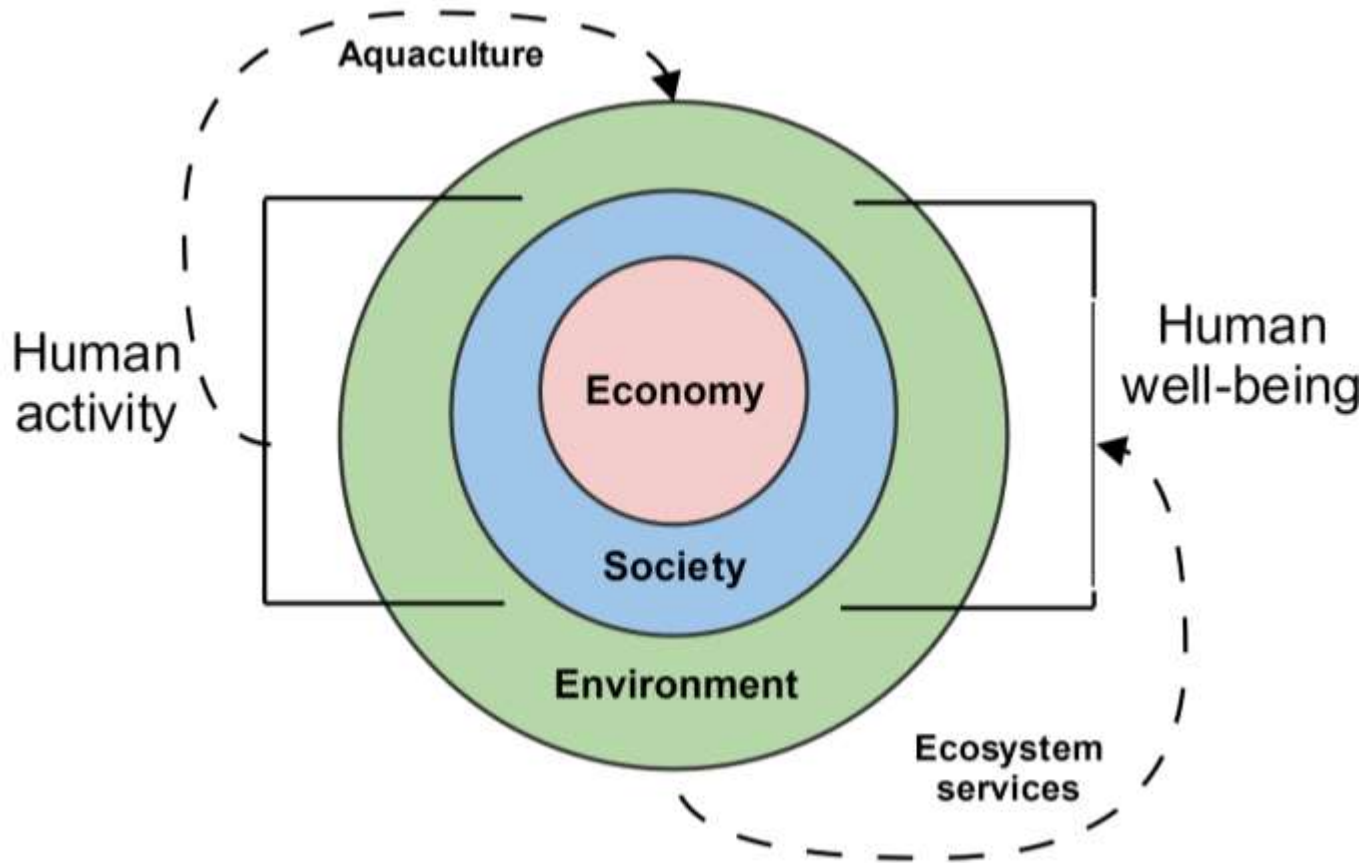
Operationalizing the Ecosystem Approach to Aquaculture

Developing an integrated framework for
Atlantic salmon (*Salmo salar*) carrying capacity

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Ecosystem Approach to Aquaculture (EAA)

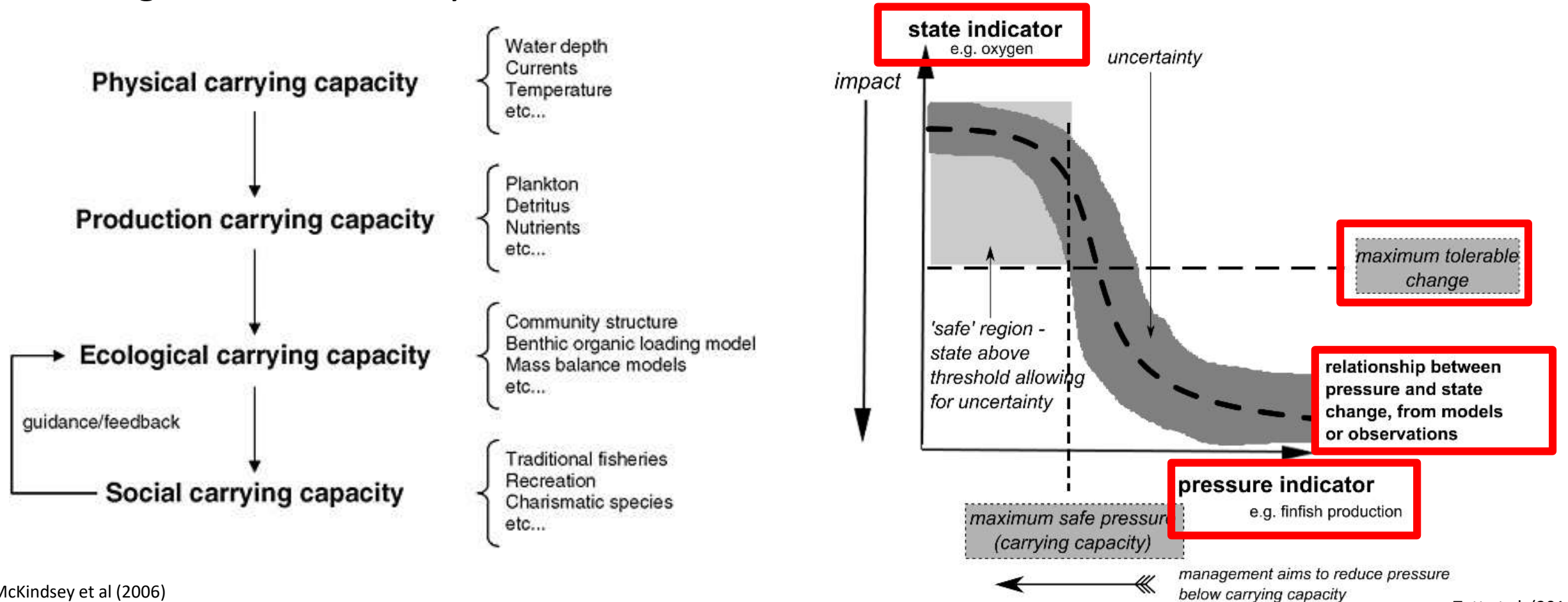
Aquaculture within the wider ecosystem in such a way that it promotes sustainable development, equity, and resilience of interlinked social and ecological systems

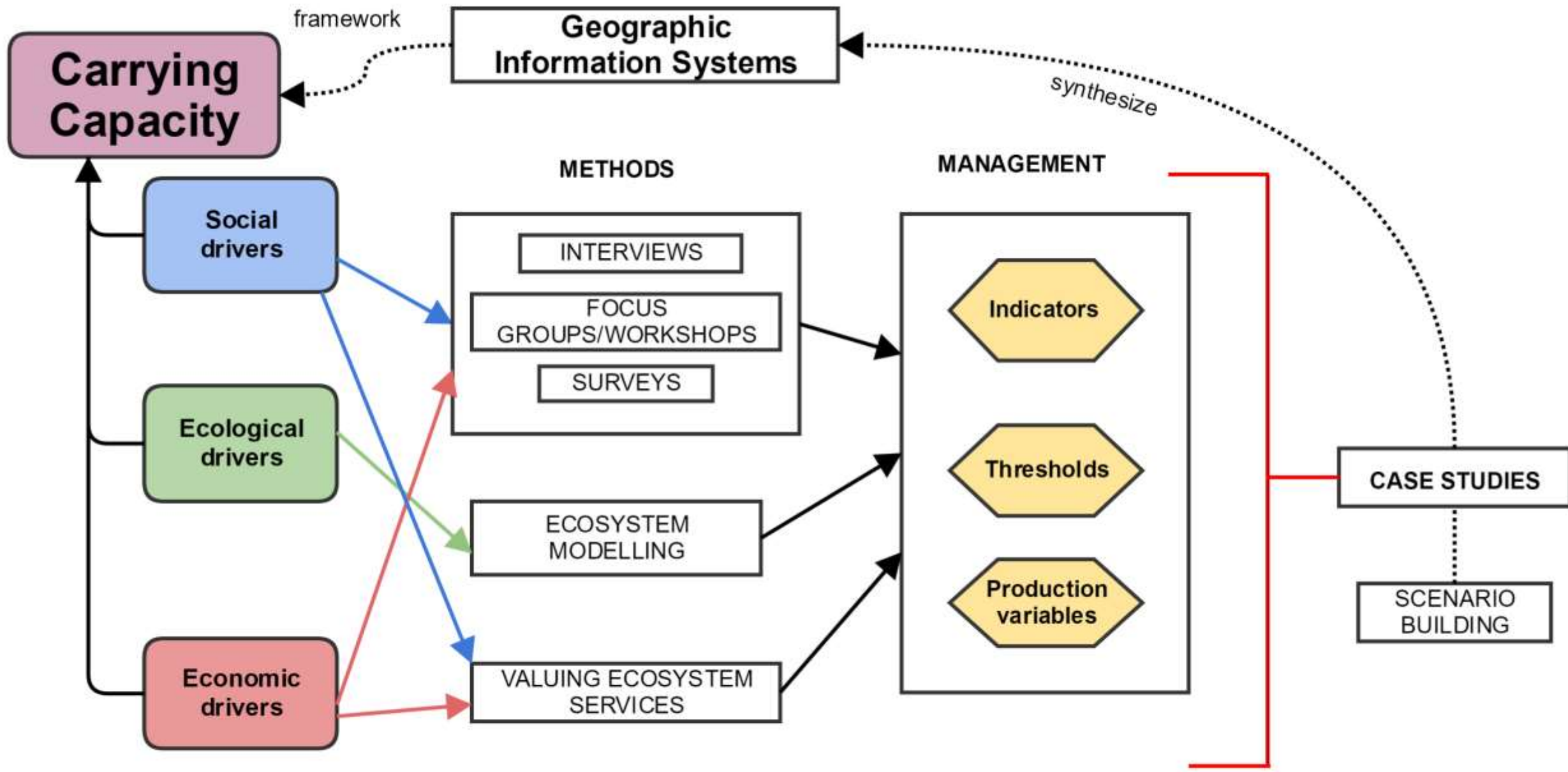


➔ Aquaculture should take account the full range of ecosystem functions and services, and should not threaten the sustained delivery of these to society beyond their resilience capacity

Carrying Capacity

The level of aquaculture *use* that can be supported without *unacceptable* degradation of ecosystem services and functions





Outcomes and Significance

- Updated carrying capacity models for finfish
 - Advanced analytical methods for social carrying capacity
 - Holistic GIS decision-support tool for operationalizing the EAA
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- Support adaptive and ecosystem-based management
 - Marine spatial planning, management decisions
 - Sustainable aquaculture in Nova Scotia