

NOAA
FISHERIES

Considering recreational data use in US West coast stock assessments

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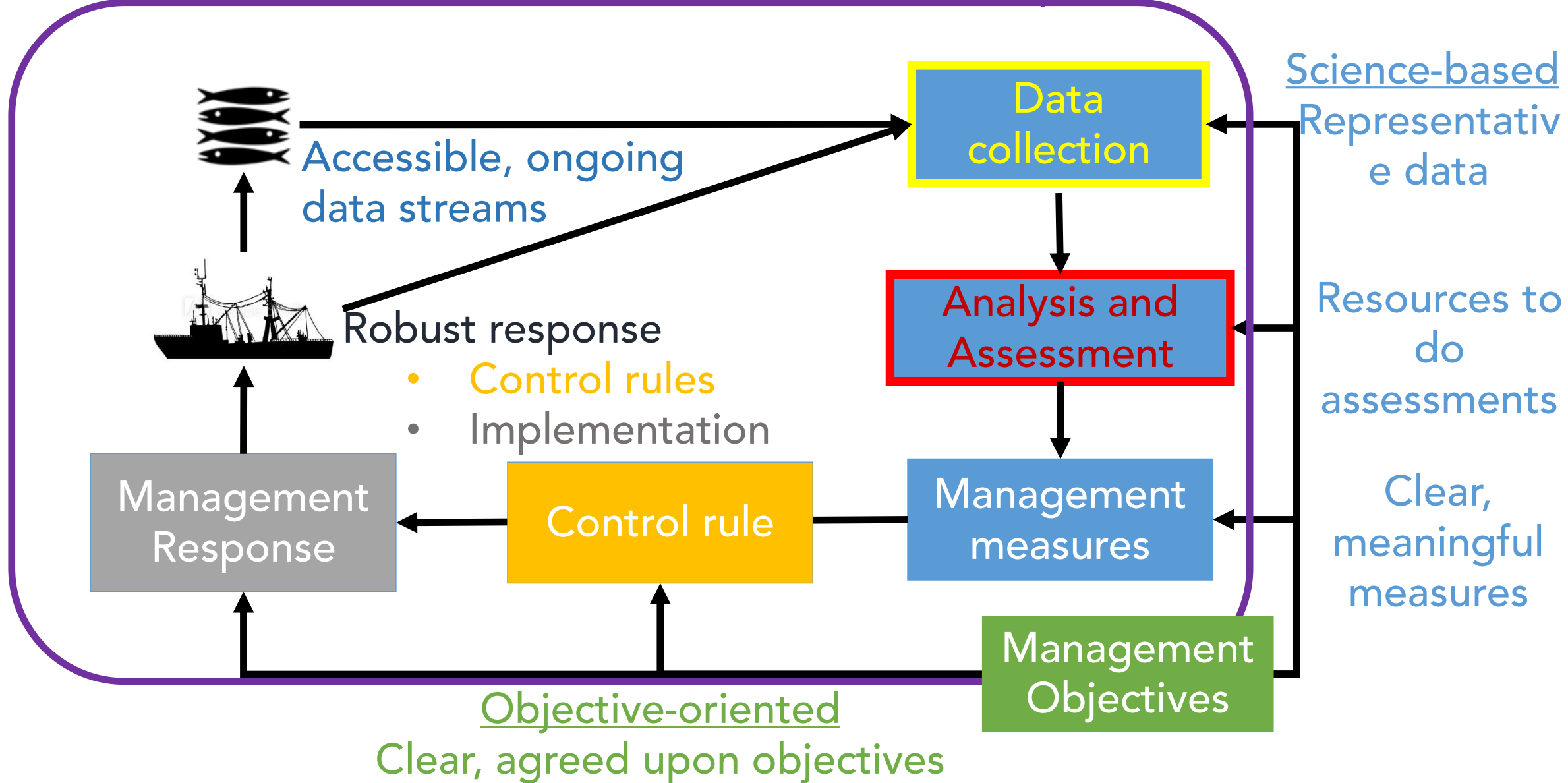
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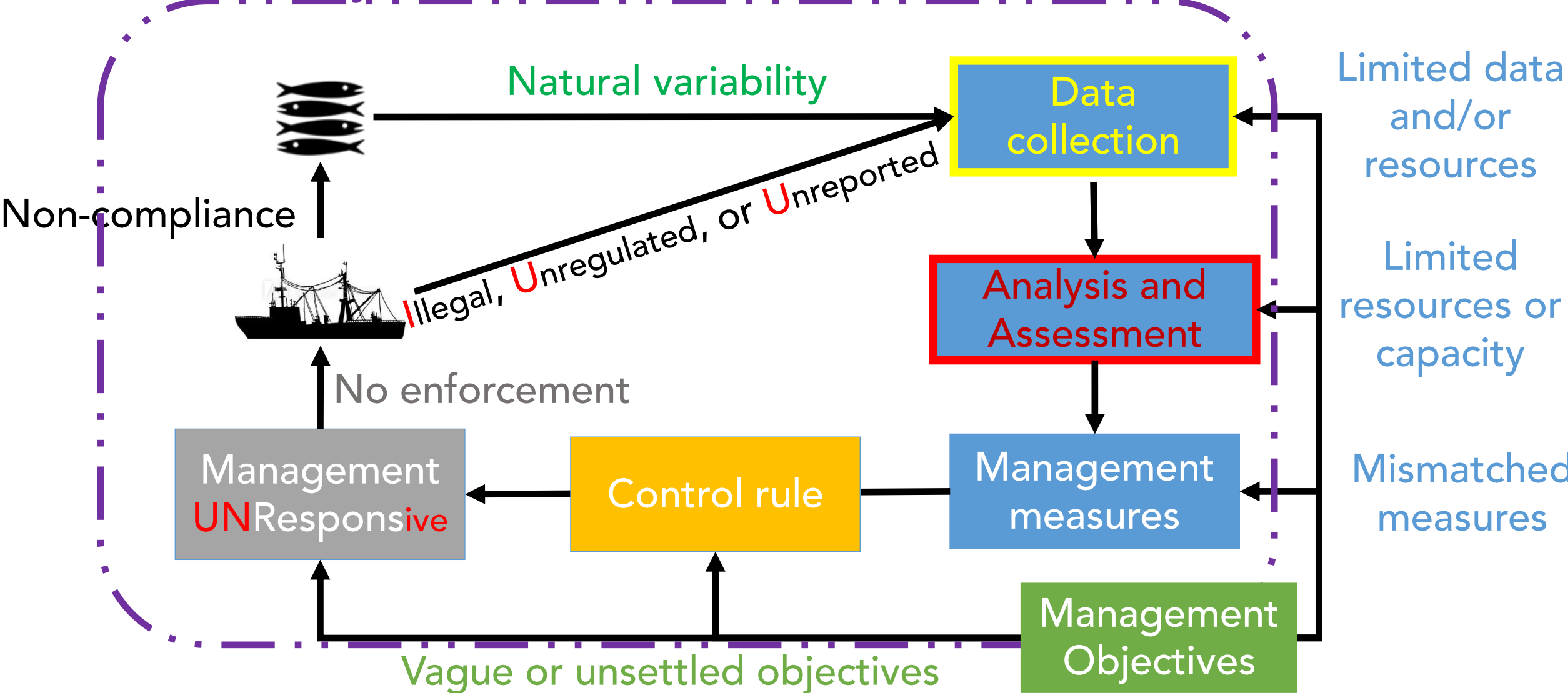
Adaptive Management loop

Feedback system: Make rules, check status, update

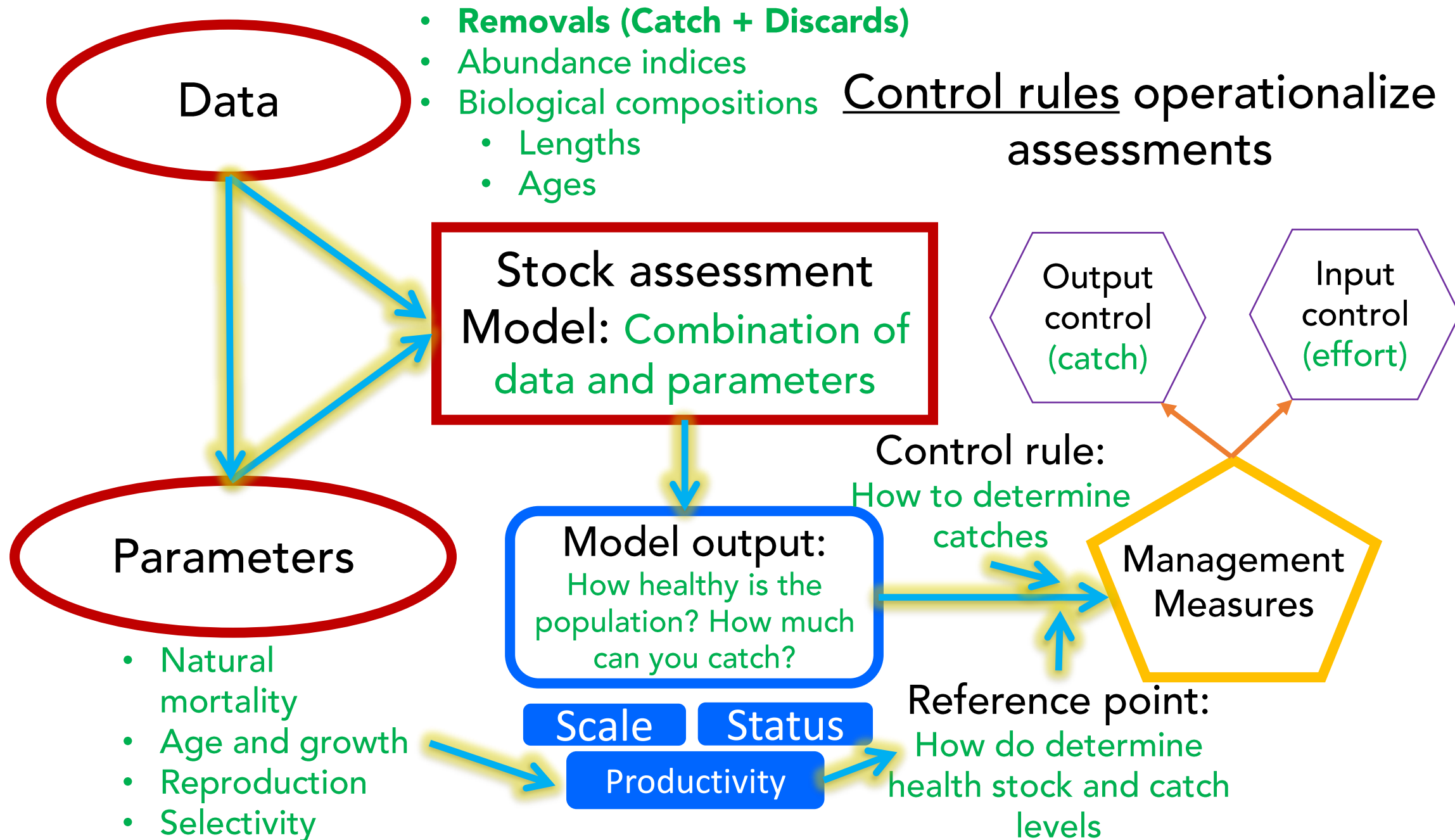


When does it go wrong?

Feedback system with cracks

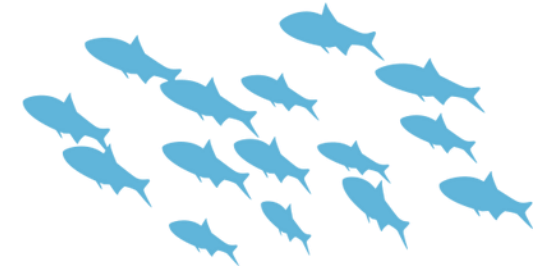


Basics of stock assessment

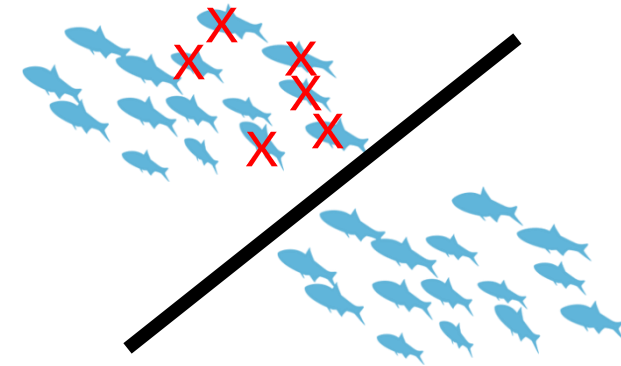


Interpreting Stock Assessments: Scale, Status, & Productivity

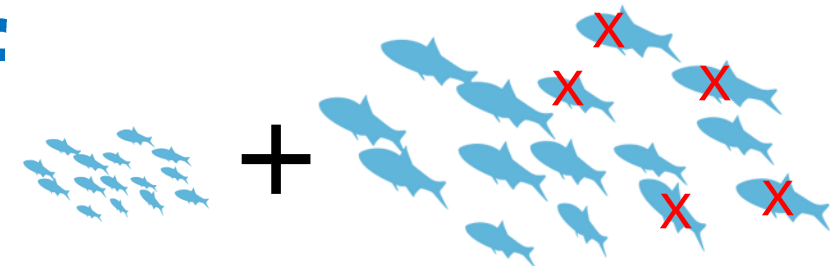
Scale: How many/much (numbers or biomass) are there?



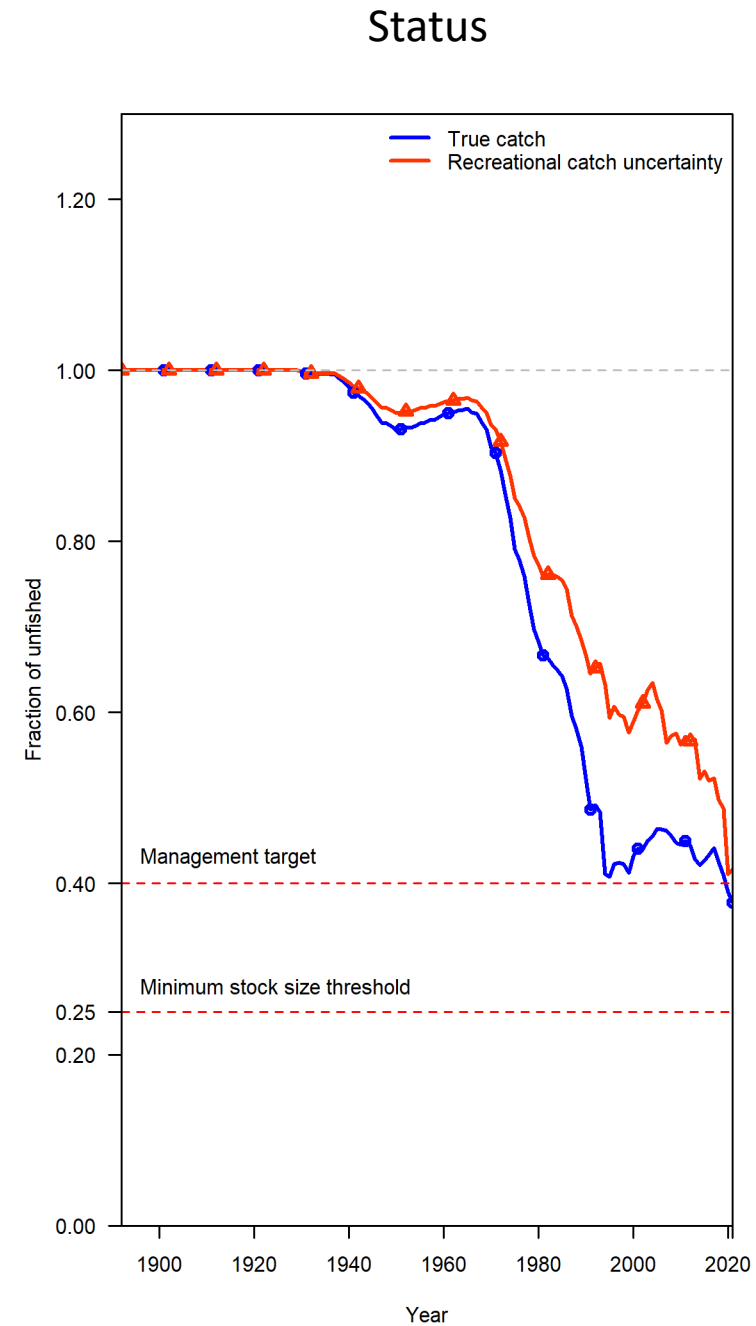
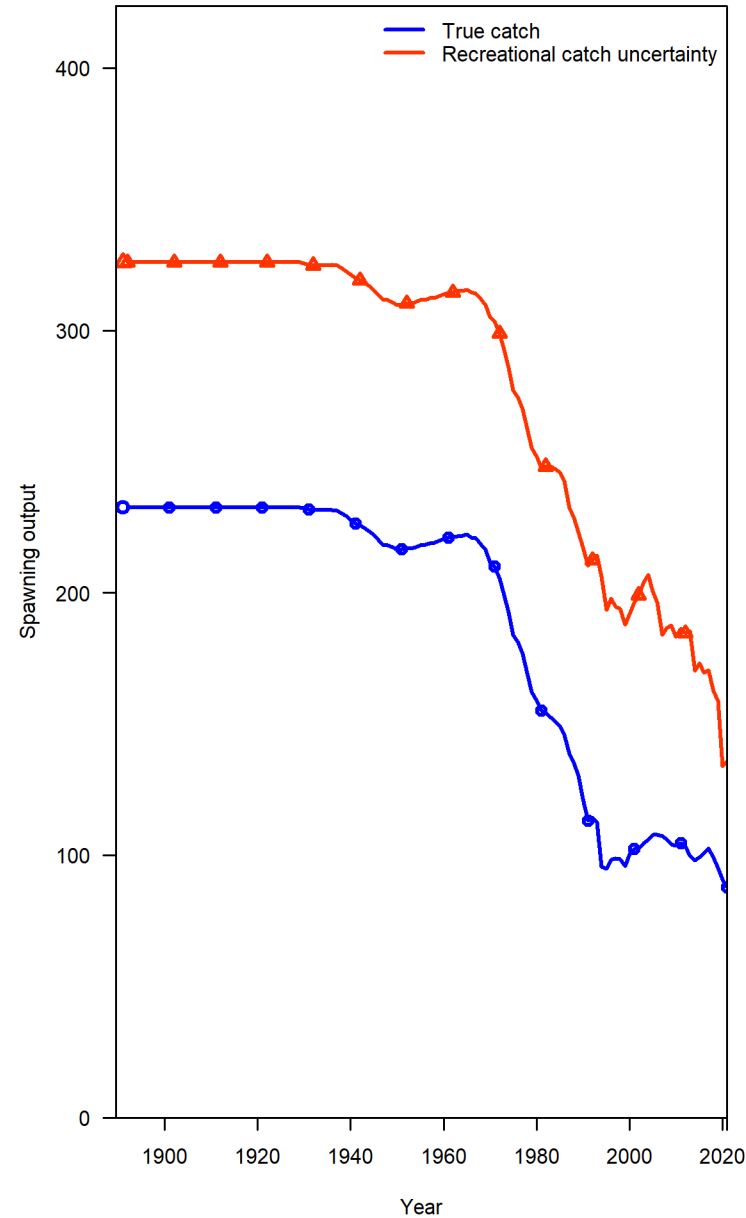
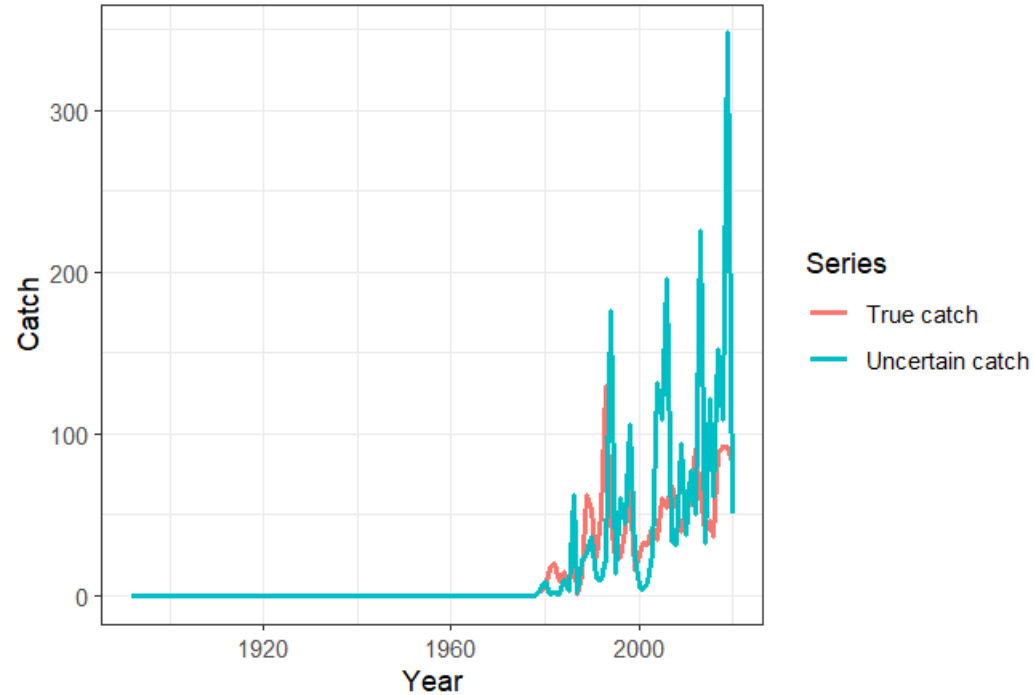
Status: Current scale relative to unfished scale

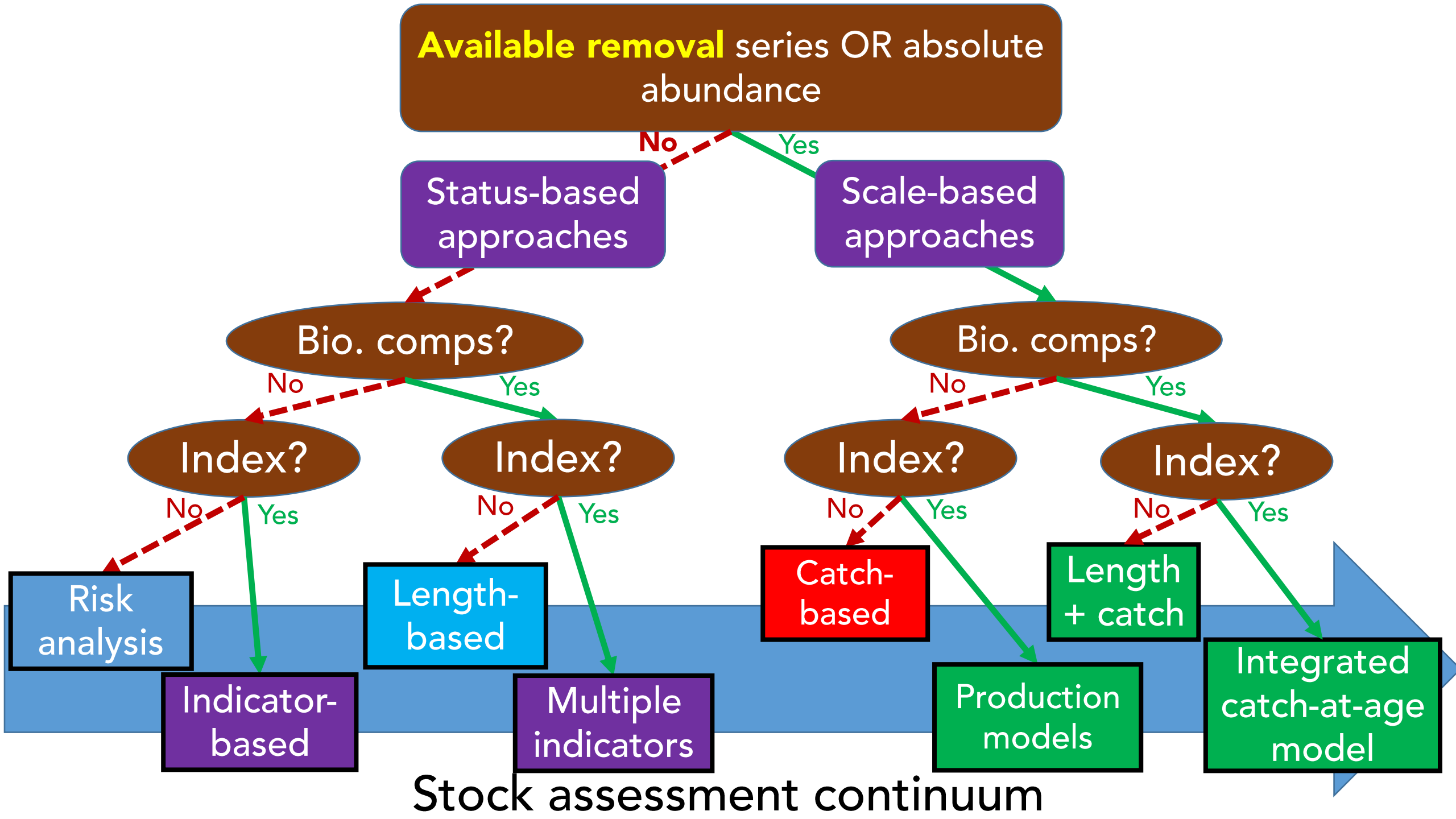


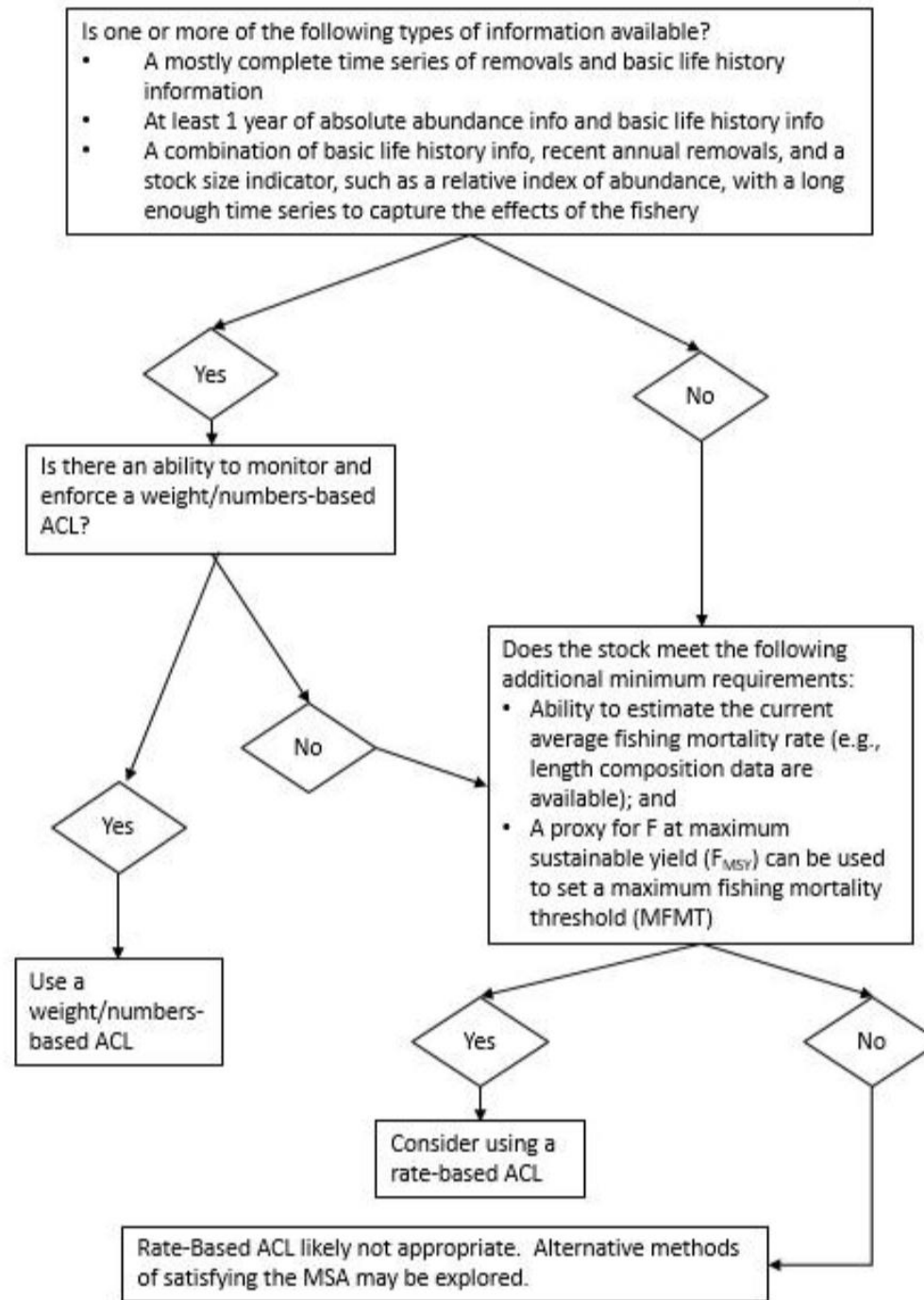
Productivity: Birth-Death. Rate of new numbers/biomass.



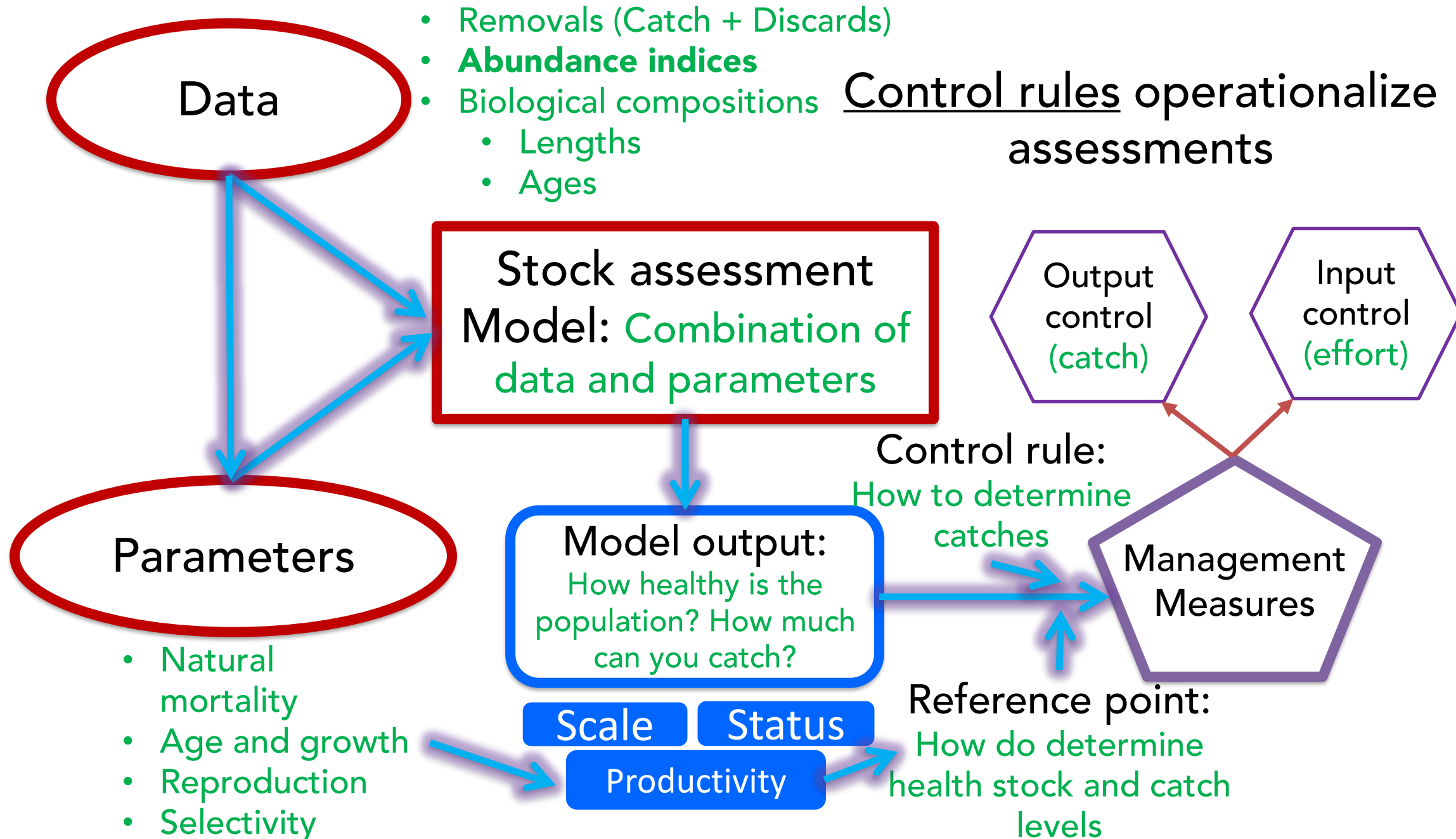
Sensitivity to reported catches: why catches matter



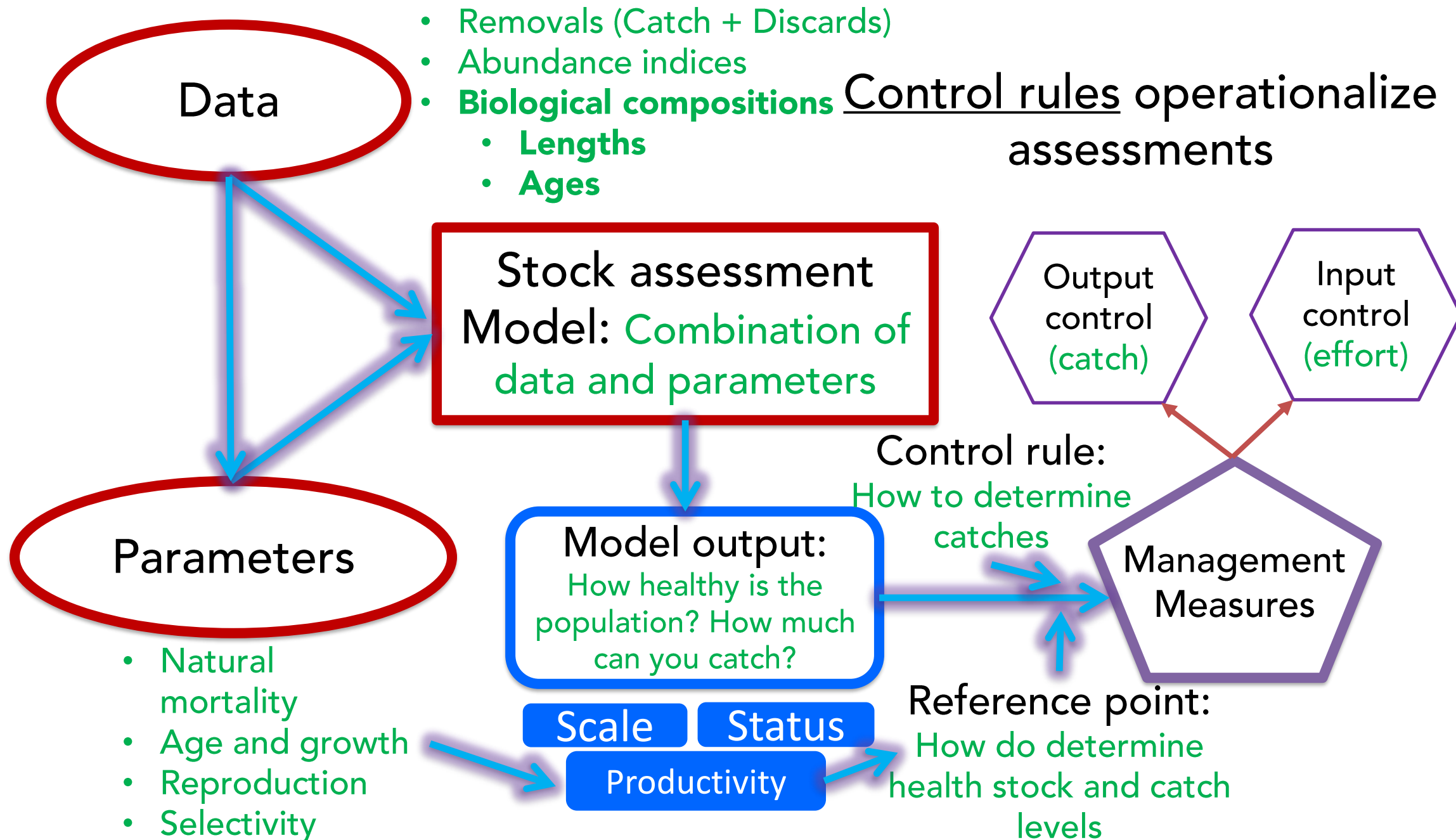




Basics of stock assessment



Basics of stock assessment



What is needed in Recreational data reporting

- Representativeness
 - Are the data representing what is being sampled?
 - Are modes or sectors missing?
 - Avoid or correct for major biases
 - Consistent reporting
 - Transparent process
- Uncertainty
 - Where are the sources of uncertainty?
 - Direction of uncertainty
 - Expansion issues
 - Data weighting (i.e., effective sample sizes)

US West Coast recreational data access

- Contemporary
 - Mostly [RecFIN](#)
 - State partners



- Historical
 - State catch reconstructions
 - MRFSS period found to be troublesome, species-specific solutions are sometimes needed.