

New Modeling Tools

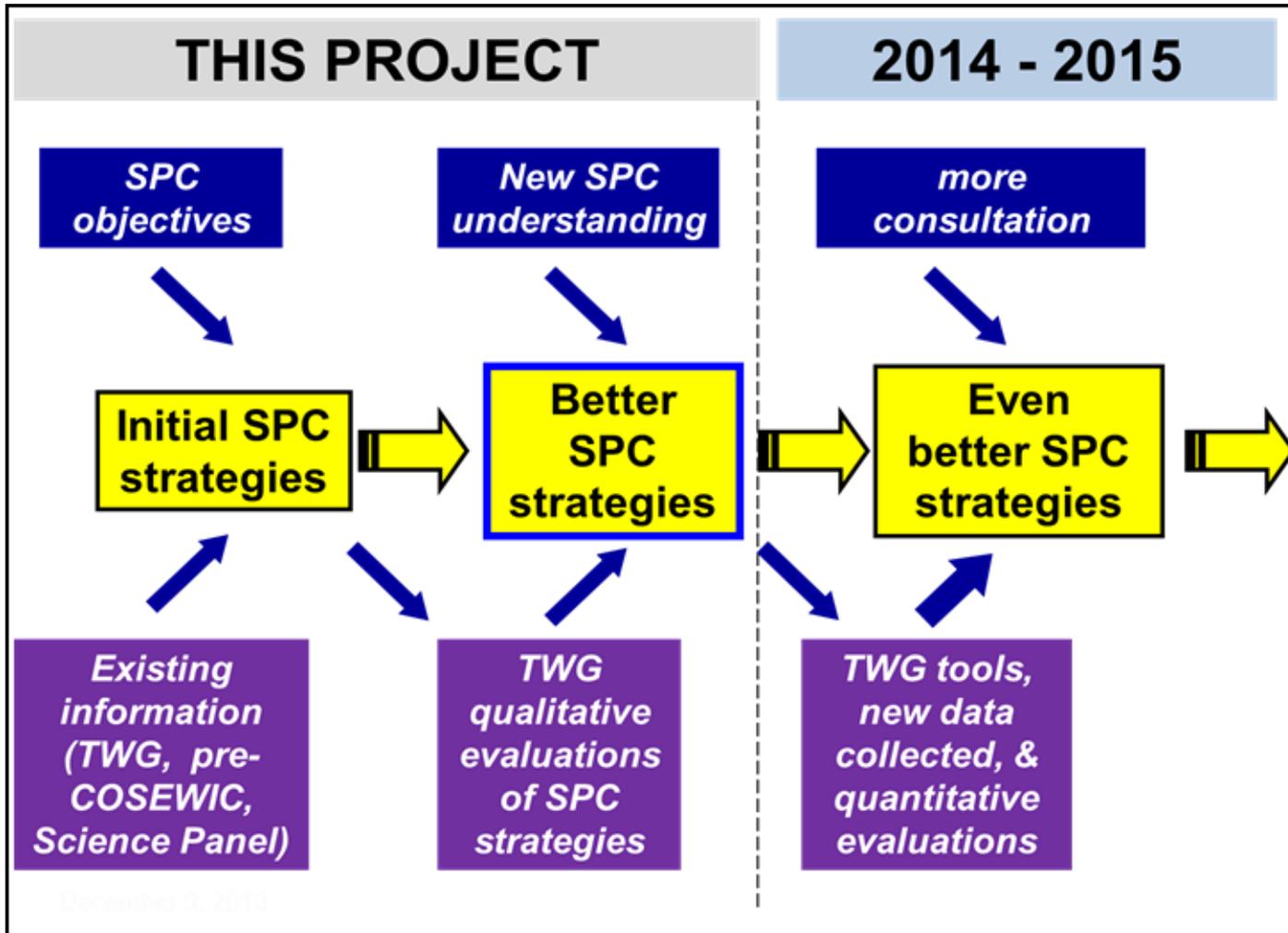
Chuck Parken

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Outline

- Approach
- Potential Next Steps

Approach



Approach

- SPC identified 6 strategies involving 4 management actions:
 1. Exploitation rate
 - ER level & fishery location
 2. Hatchery production
 - Production level & stock location
 3. Habitat improvement-protection
 - Freshwater & marine habitat
 4. Habitat improvement-restoration
 - Freshwater & marine habitat

Approach

- TWG meetings in October, 2013
 - Reviewed SPC management actions & potential technical tools
 - Each tool considered in regard of SPC management actions
 - Discussion centered around:
 - Strengths
 - Weaknesses
 - Timing (what could be done by Nov 2013 to Jan 2014)

Approach

- TWG meetings in October, 2013
 - 9 tools reviewed
 - 6 tools were not appropriate or feasible in the time frame
 - 1 tool (*Coded Wire Tag data-exploitation rate*) was used to provide the SPC with info about fisheries impacting 11 SBC stocks
 - 1 tool (MALBEC habitat model) would require a multi-year & -investigator financial investment/commitment
 - 1 tool anticipated to be in testing phase in last half of 2014 (CTC Data Generation Model)

Potential Next Steps

- SPC to identify which Management Actions for TWG to investigate
- SPC and TWG to review, discuss, prioritize Management Actions for evaluation
- TWG to evaluate if that set of Management Actions could be evaluated with any of the 9 tools or whether a new one would be needed
 - Important to do this soon, if CTC data generation model is an option (contract will end)

Potential Next Steps

- CTC Data Generation Model has potential to evaluate some management actions
 - Many potential Management Actions can't be done
 - E.g. habitat, fishing effort, fine scale fisheries (space-time), etc.
 - Important to prioritize feasible Management Actions
 - Some characteristics may not be in the contractor's current work description
 - CTC Model Improvement funds have been used to develop the Data Generation Model
 - \$\$ are finite
 - Contract is jointly managed by Canada & US CTC
 - Model Improvement funds used for mutual benefit to both otherwise a Canadian funding source will be needed

Potential Next Steps

- Other Insights from SPC and TWG?