

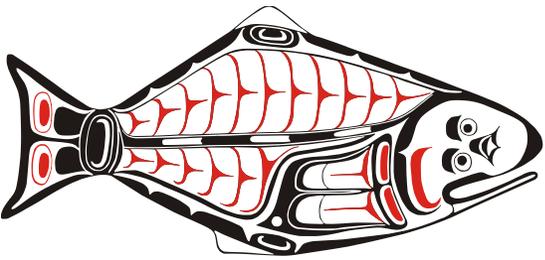
Changes to work plan

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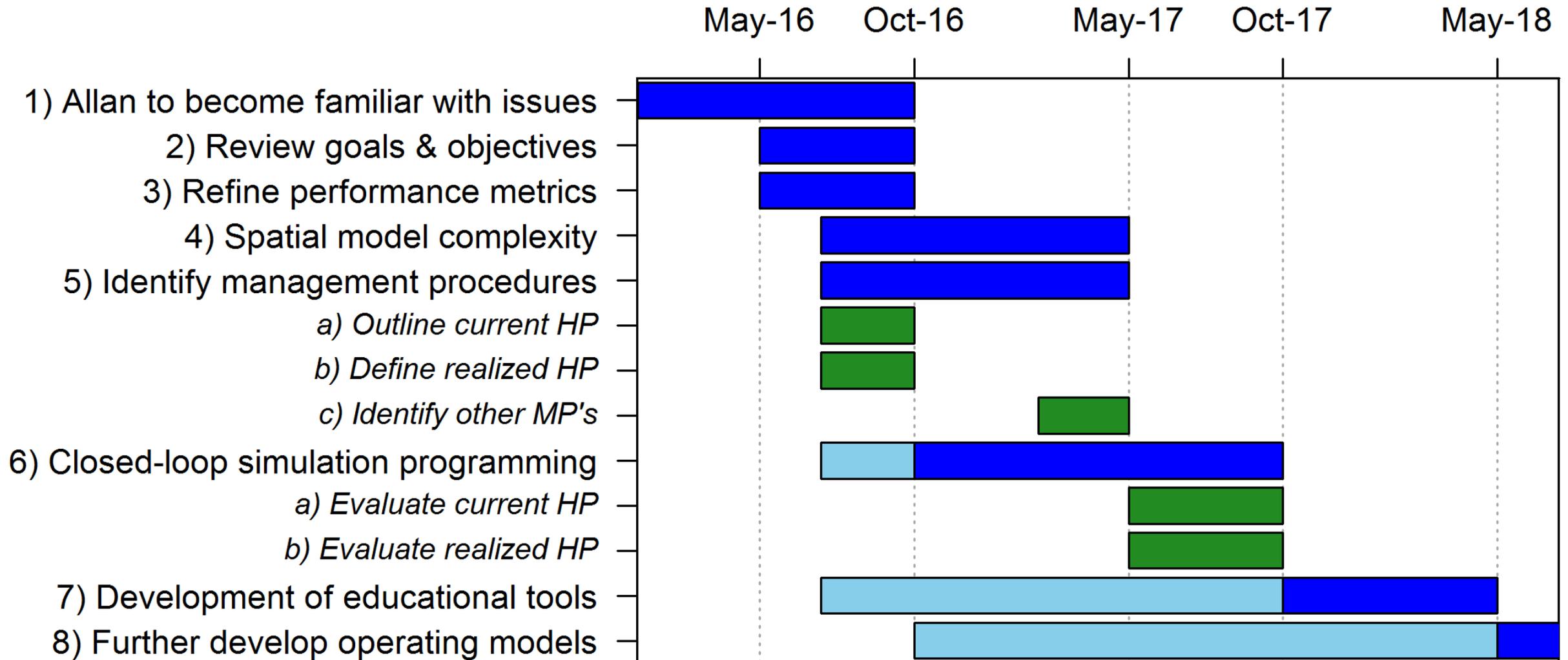


Noteworthy changes

- Added a section describing MSE
- Added a section with definitions of important terms
 - These may be updated in the future
- Renamed some tasks to broaden the scope
 - Task 4: Redefined ‘coastal’ and ‘spatial’ to ‘single-area’ and ‘multi-area’
 - Task 7: Broadened to educational tools
 - Task 8: Broadened to development of operating models
- Updated and added to Gantt chart
 - Request to outline current harvest policy
 - Request to define realized harvest policy
- Improved definition of each task



Gantt chart



Definitions

Closed-loop simulation: The process of simulating dynamics with a feedback loop. For example, simulating the feedback of the annual management process (i.e., setting catch levels) on a fish stock. The simulation framework incorporates an *operating model* and a *management strategy*, and all of the uncertainty that goes along with those.

Control Rule: Defined actions and reference points that provide an adjustment to the catch beyond the harvest rates. Often, the lower reference point is where catch is zero.

Estimation Model: A single model or multiple models that process data in a simple or complex way to provide outcomes to be considered by the *harvest strategy*.

Equilibrium Model: A model that provides the long-term average results for a population under various assumptions.

Harvest Policy: A set of *management procedures* that define how the fishery is managed (see *Management Strategy*).

Harvest Strategy: The specifics of how catch is determined and adjusted. For example, harvest rates and a *control rule*.

Management Procedure: A specific single procedure that can be modified as part of a larger *management strategy*. For example, a size limit or *control rule*.

Management Strategy: A set of *management procedures* that define how the fishery is managed (see *Harvest Policy*).

Management Strategy Evaluation: A process to evaluate *management strategies* against goals & objectives through simulation.

Operating Model: A model designed to represent the dynamics of a population and parts of the fisheries for which we cannot control. This is a representation of reality and the uncertainty about that reality.

