

Run of simulation with separate script

Before running the model, the following files need to be stored in the same folder:

- *AquacultureResponse2.slx*
- *locationresponse.m*
- *ReadStates.xlsx*

The Simulink model needs to be open at the same time as *locationresponse.m*. Then you can run the script. It will take some time due to the long simulation run. An automatic plot will appear for one of the locations. The locations can easily be changed in the plot script. The results from the run are stored in the MATLAB workspace.

If it is wanted to test the other fleet compositions, can this be altered in the Simulink model. The intergeneration time decides how many vessels should be generated and when. Remember that one vessel is generated at simulation start. In the attribute section, the standby vessel chosen for all runs is the one with 400 tons capacity. When testing the first fleet composition, all should be "1" for attributes for standby vessels. For other case studies, reduce igt and keep standby "2" at the vessel with 400 in capacity.

```
persistent count igt
if isempty(count)
    igt=[0 0 inf];%inf, will
                                % gener
    count=1;
```

```
persistent count2 attmat

if isempty(count2)
    attmat=[12 11 11;%speed
            435 400 700;% Capacity
            150 120 150;% Loading
            1 2 1;%Standby
            6 6 6; %Startport
            0 0 0]; %Loadedfish
    count2= 1;
end
```