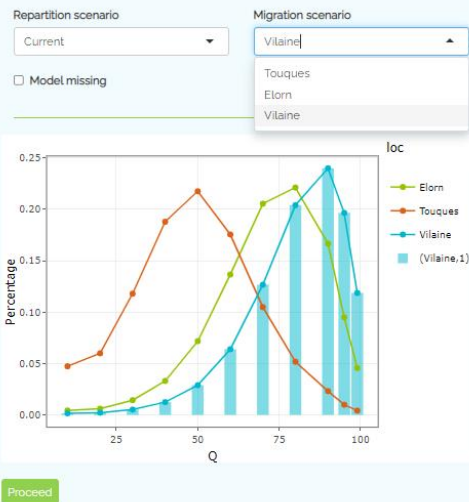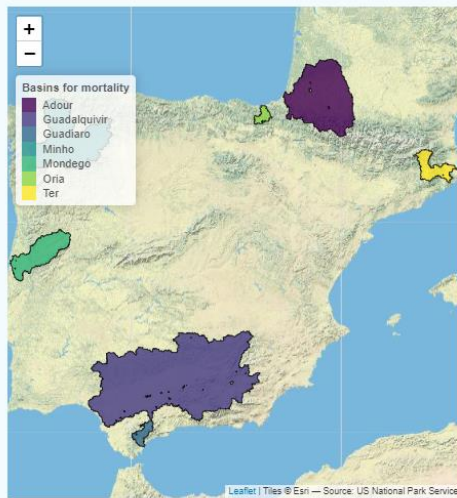# MORTALITY

This is a demonstrator for the calculation of mortalities in turbine. It uses various scenarios (flow, repartition, etc.) to provide modelled estimates of hydropower mortalities at the dam and basin level. It uses the eel production and size structure estimated in GT4.First select a basin by clicking on the map and then choose the model; options include eel repartition scenario, migration flow scenario and the opportunity to use an average mortality figure to hydropower plants where information is missing.

Click on "proceed" button to get basin wide results. In the dam results below, you will get a basin overview of mortality results. Click on a dam, either in the table or in the map to display results for that dam.

1. CHOOSE A BASIN AND CALCULATIONS OPTIONS

Repartition scenario

Current ▼

☐ Model missing

Migration scenario

Vilaine ▲

Touques
Elorn
Vilaine

Eel migrate in autumn and winter mostly during flood events. But these migrations are variable and depend on the size of the basin. Larger basins tend to have more complex migration dynamics with also migration occurring at larger flows than small basins which can be emptied by a single small flood event. And there is also variation from year to year. Here we chose some migration scenarios by using the dataset collected by Teichert (2020). The Vilaine on the right is more representative of large basins (migration at large quantile flow), the Touques on the opposite will have migration around module (Q50).

Proceed