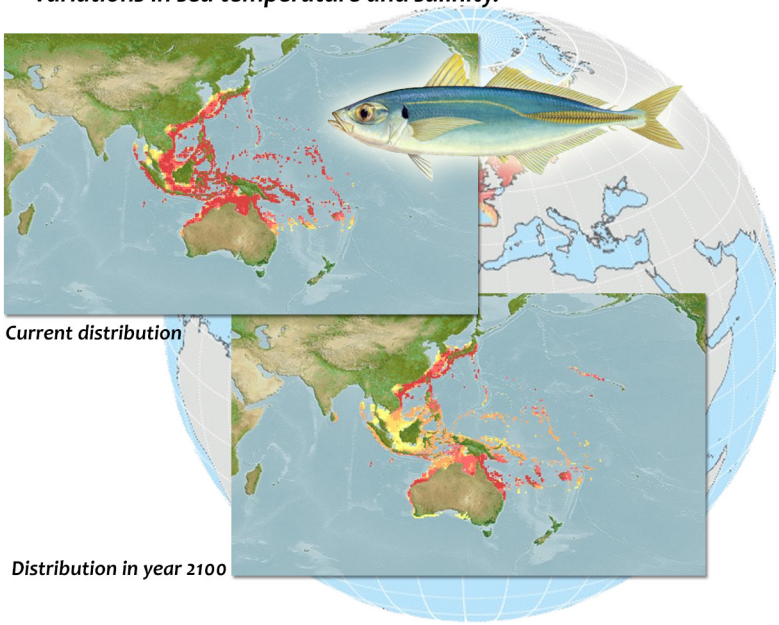
## What is AquaMaps? (www.aquamaps.org)

- *An approach to generating model-based, large-scale predictions of the natural distribution of aquatic species*
- *Also models climate change impact on global distribution of marine species based on environmental conditions under the IPCC A2 emissions scenario for the year 2100*
- *Uses expert knowledge and occurrence data available in different online databases such as the FishBase (www.fishbase.org), SeaLifeBase (www.sealifebase.org) and Global Biodiversity Information Facility (www.gbif.org)*
- *Uses a relatively simple yet robust algorithm that has been validated using independent data, and is found to compare well with other ecological niche models*

## How is AquaMaps Useful?

- *It can predict areas where a species can occur and at what probabilities of occurrence. For example, Galunggong or Japanese scad (Decapterus maruadsi) naturally occurs in Indo-West Pacific. In year 2100, the probability of occurrence in Southeast Asia decreased due to climate change-related variations in sea temperature and salinity.*



*Current distribution*

*Distribution in year 2100*