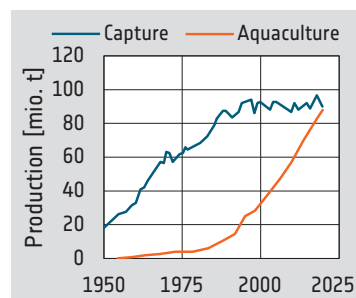
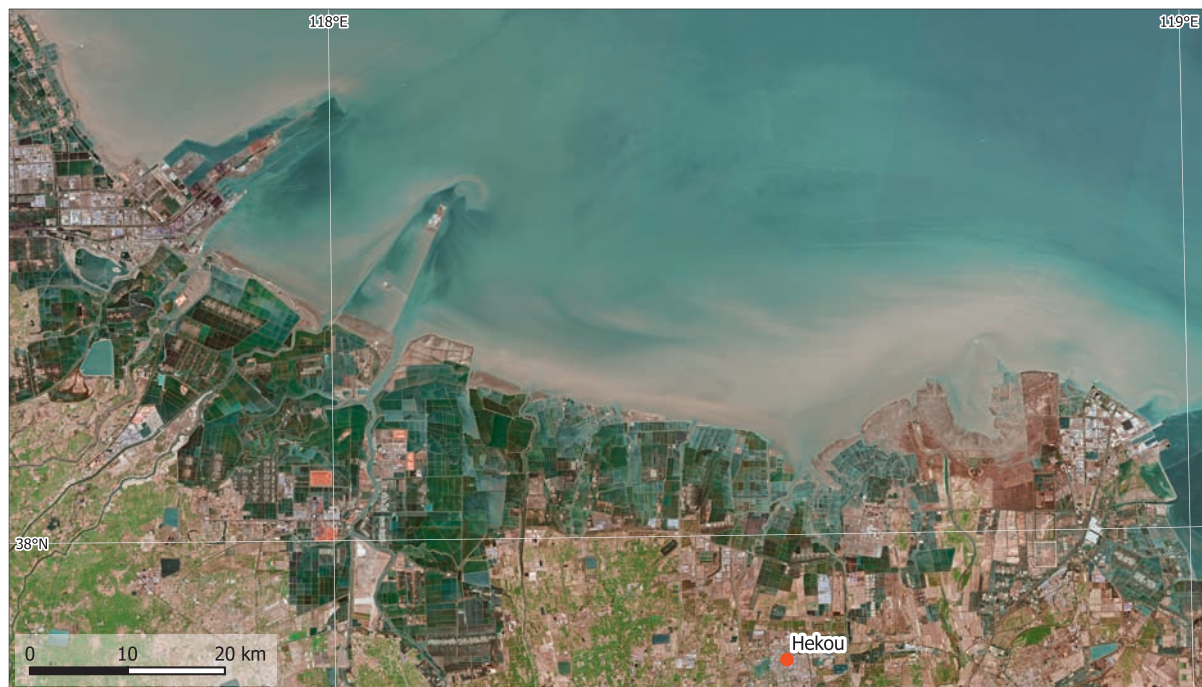




1. Overview satellite image of the southern coast of the Bohai Bay showing the aquaculture areas along the coast. The colours of the sea show a high sediment load of the shallow waters. Data: Sentinel-2, 2023-04-29



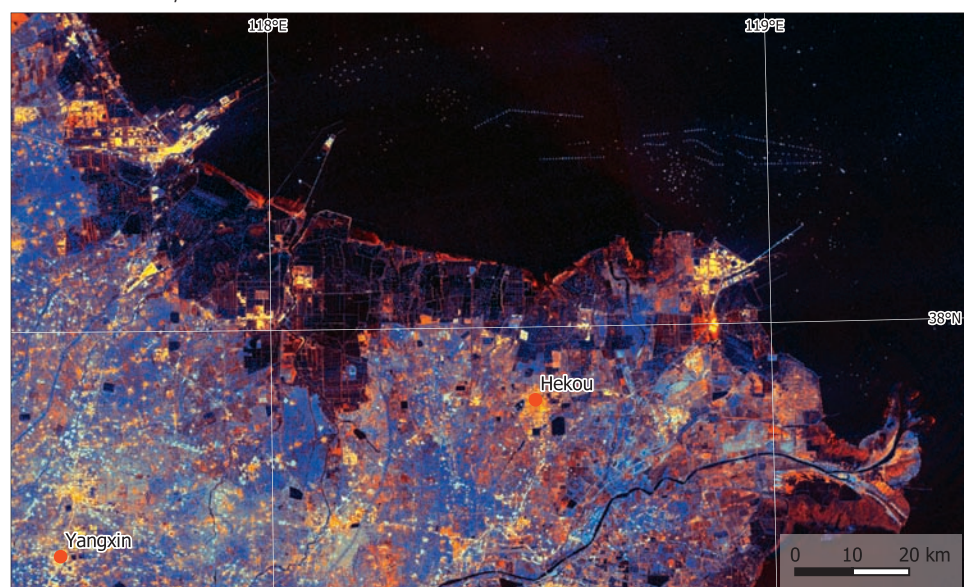
2. Growing demand and shrinking natural resources have led to a shift of production from capture fisheries to aquaculture.

Aquaculture – Bohai Bay

Global aquaculture has been steadily increasing over the years, producing fish, shrimp, mussels, and aquatic plants. The global production reached almost 90 million metric tons in 2020 (FAO), half of the total seafood production for human consumption. Top aquaculture-producing countries are China, India, Indonesia, Vietnam, Bangladesh, and Norway. This industry provides livelihoods for millions of people and is a vital source of food and income.

Aquaculture is an important contributor to the economy of the Bohai Bay region, with China being the largest producer of farmed seafood in the world. Including algae, China produced over 64 million metric tons of farmed seafood in 2020. The Bohai Bay is surrounded by extensive flat coastal areas suitable for aquaculture, with farms ranging from small-scale traditional operations to large commercial enterprises.

3. The radar satellite image of the southern coast of the Bohai Bay shows the intensive land use in a mix of settlements, agriculture and aquaculture. Offshore activities such as fishing boats and wind farms show up as bright dots in the sea. Data: Sentinel-1, 2023-04-26.



4. Section of the south coast of the Bohai Bay in 2007, the land use has changed significantly. Data: Landsat 5, 2007-05-05.



5. Section of the south coast of the Bohai Bay during the initial phase of aquaculture activities in 1989, showing the extended mudflats of the original intertidal zone. Data: Landsat 5, 1989-05-17.