

## 1. Scenario Card

### Can New Zealand's Aquaculture help save the World?

#### 2052AD World population: 10 billion +

There is a global food crisis because the world is not producing enough protein and much of the land is already being used to grow food. The World Protein Crisis Committee (WPCC) has asked New Zealand to help by increasing their aquaculture production because of their natural advantages such as: geographic isolation, lots of coastline, and plenty of plankton.

**Internationally**, aquaculture farmers are developing new ways of increasing production – Canada is trialing the growing of sea cucumbers in land-based farms; in India fish are farmed amongst seaweeds and Australia now farms fish in aquaculture pods that roam through the ocean. At the same time, these countries are fighting the effects of ocean acidification as well as changes in ocean temperatures and currents.

In **New Zealand**, farmers are keen to try different farming methods but have to balance this with managing the environmental effects of increasing seafood production; New Zealanders want to ensure that their protein is fresh and sustainable and the Ministry for Primary Industries wants to help by expanding the range of species that can be farmed.

What should New Zealand do to help contribute to the world's supply of seafood protein?

