



Scenario Three

Environmental Change: Flooding

In the year 2052, New Zealand is experiencing the worst period of flooding the country has ever experienced. Many of the coastal areas are closed due to a combination of massive tides and flooding.

Northland is under high flood waters which has meant rolling power cuts and dairy farms have had to stop production as their milking sheds are out of power. Mid-Canterbury is in a similar situation as it is mostly under water.

Experts say that the flooding will subside. However, they warn that New Zealanders should be prepared for future weather patterns to include frequent and heavy rain. It is also expected that some areas that are currently flooded will never fully recover.

1

SOME THINGS TO CONSIDER:

- The production and exporting of dairy products from New Zealand is important to the economy.
- What happens to thousands of cows who can't be milked?
- Dairy products help keep us healthy. What if we start running out?

The dairy industry is an important part of the New Zealand Economy. Scenarios like flooding will impact this industry. Can you help ensure that the industry is able to remain sustainable and provide dairy products both locally (in New Zealand) and globally (around the world)?

2

THE CHALLENGE FOR YOUR GROUP:

1. Identify all the problems for the New Zealand's dairy industry that could exist due to this scenario.
2. Explain what potential impacts these problems could have on specific areas of New Zealand's dairy industry.
3. Think of solutions or adaptations for New Zealand's dairy industry to consider to solve the problems or alleviate the impacts.
4. Give detailed explanation about how these solutions or adaptations will solve the problems or alleviate the impacts.

Be as creative and think as widely as possible with your solutions and adaptations. Make sure you can justify and explain your ideas and that they are relevant.

3

PRESENT YOUR LEARNING:

Create a slideshow and oral presentation to present your learning to the class. Start with a brief overview of your future scenario to set the scene for the rest of your presentation.

Make sure you have included all your main ideas. Images are always a good way of helping to explain or support your meaning.