



Climate Change: Science and Society

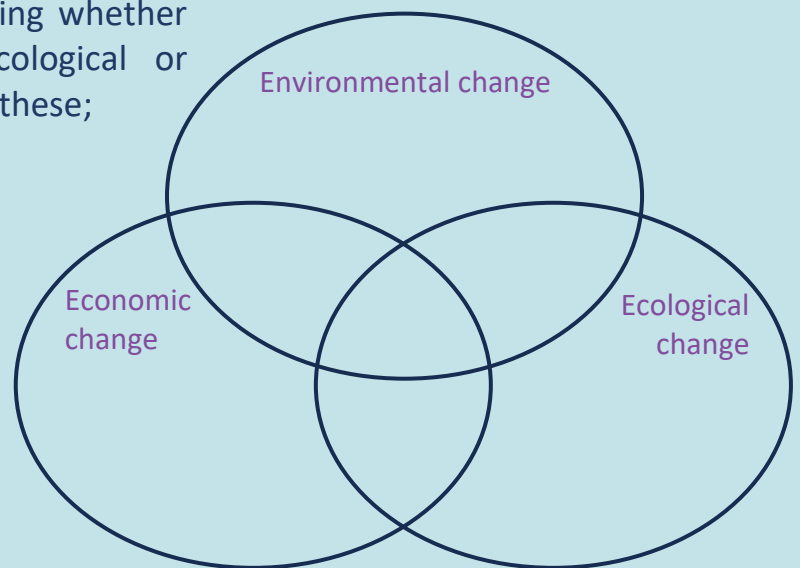
Perspectives from the polar regions

Worksheet

Activity 1

Make a copy of the Venn diagram below. In the context of **Antarctica**, add the following to the correct part of the diagram, considering whether the effect is an environmental, ecological or economic change, or a combination of these;

- ◇ Ice shelf collapse
- ◇ Shifting distribution of krill
- ◇ Sea ice decline
- ◇ Changing foraging habits of seabirds
- ◇ Scientific interest and investment
- ◇ Extreme storms
- ◇ Warming ocean temperatures



Activity 2

You are acting on behalf of an NGO operating in Scandinavia which works with local Sámi communities. A new mine permit has just been approved by the Swedish government to extract rare Earth metals from a mining site situated within native Sámi territories. Write a letter that could be sent to both the Swedish government and the working groups of the Arctic Council outlining the potential conflicts and/or challenges the new mine permit may bring to Sámi people. Use your knowledge gained through this resource and your own research on indigenous Arctic peoples and mining to synthesise your argument. You should also consider how opening new mines may jeopardise efforts to increase the resilience of Sámi people to the effects climate change.