



EDUCATING • EXPLORING • EXCELLING

EXTENSION IDEAS



1

Fact File

Create an Iceland fact file using the following list of research headings:

- Location
- Population
- GNI
- Level of development
- Tectonic boundary
- Tectonic hazards
- Geothermal Energy
- Resources
- Tourism



2

Eyjafjallajökull

Create a case study PowerPoint on the Eyjafjallajökull eruption of 2010, include:

- Location of Eyjafjallajökull
- Type of volcano
- Type and description of boundary
- Date of eruption
- Cause of the eruption
- Impacts (social, economic and environmental)
- Immediate responses
- Long term responses

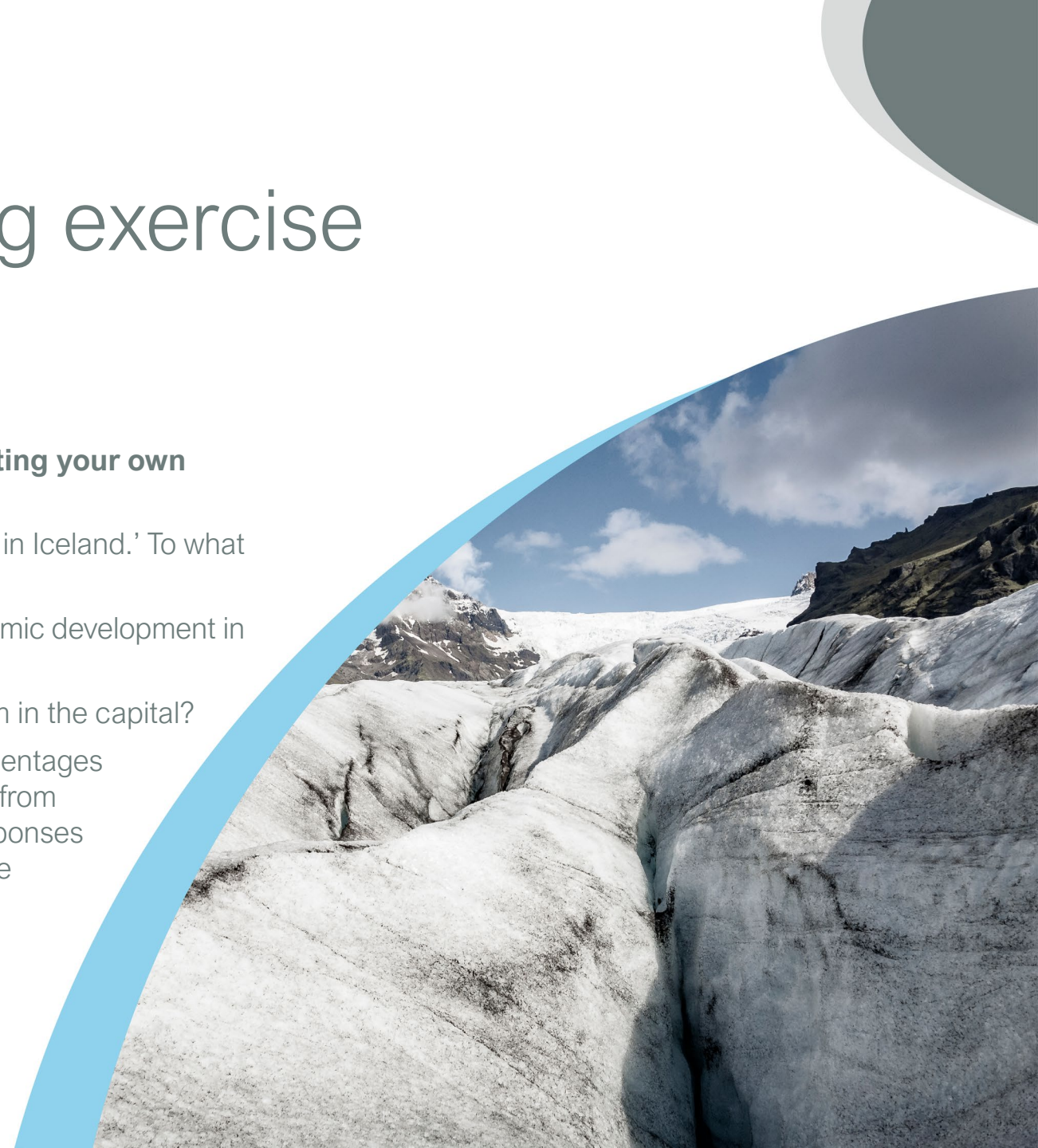


3

Decision making exercise

Choose one of the following DME questions to discuss or try creating your own

- 'Climate change will create huge opportunities for mineral extraction in Iceland.' To what extent do you agree with this statement?
- To what extent is tourism the most effective way of supporting economic development in Iceland?
- Should new casinos and bars be built in Reykjavík to increase tourism in the capital?
- Fully electric cars and plug-in hybrids currently make up a small percentages of the country's 357,000 vehicles. Should investment be taken away from tourism and invested in electric car infrastructure? A 'Short term responses are more important to help victims deal with the effects of earthquake than long term responses'.
- To what extend do you agree with this statement



4

River Study

Complete the following tasks and questions.

- Suggest three hypothesis you could make about a river as it travels downstream.
- Describe methods you could use to assess your hypothesis.
- What are the benefits and disadvantages of these methods?
- Create a labelled field sketch of an Icelandic river.
- What are the risks and dangers of completing a river field study?



5

Renewable energy

Answer the following questions about Iceland's energy mix.

- What is geothermal energy?
- How does Iceland use geothermal energy?
- What are the benefits of geothermal energy?
- What are the disadvantages of geothermal energy?
- What other sources of energy does Iceland use?
- What percentage of cars in Iceland are electric?



6

Glaciation

Research the following questions about glaciation.

- What is the difference between accumulation and ablation?
- Describe the different types of glacial erosion.
- Describe the different types of glacial transportation.
- What features are created from glacial erosion?
- What features are created from glacial deposition?
- Describe the issues of glacial retreat.



7

Coastal study

Coastal activities that could be completed on tour or back in the classroom.

- Draw a field sketch of some of the coastal features you see.
- Take photos of coastal features and then draw sketches of what these feature might look like in the future.
- Using Google Earth and /or Google Maps, investigate coastal features and coastal management.
- Discuss what fieldwork methods could be used in a coastal study.
- Discuss the impacts of sea level change on Iceland's coastal environment.

