EDUCATIONAL GEOTHERMAL DASHBOARD
INTRODUCTION

Why Create an Educational Dashboard?
Dashboard Overview
Data Sources
Functionality
Example
Future Development
DATA SOURCES
British Geological Survey, Ordinance Survey, UK Onshore Geophysical Library, Newcastle/Durham University
FUNCTIONALITY

**Indicators**

Green / Red Highlights that there are important insights for the selected area

**Insights**

Describes what the insight from the data is

**Descriptions**

Contains further useful data on the topic

**Information**

Explains the relevance of the data and insights regarding geothermal exploration and development
Temperature Gradient Graph
Shows the predicted rate that temperature increases with depth

Estimated Temperature
Shows the predicted temperature at the selected depth

Geothermal Gradient
Shows the estimated temperature gradient for the select area

Drill Days Graph
Based on bedrock geology and rock hardness
 Users can select a drill rate and estimate drill days to reach the selected depth

Direct Heat Applications
Examples of different industrial processes and their average operating temperature

Recommended Well Type
UK Onshore Well Sites
- Temperature
- Stratigraphy
- Thermal conductivity

Options
- Depth Range
  - 0m - 1,000m
- Rock Hardness
  - Hard
- Geothermal Gradient Range
  - 11 - 49
- Average Geothermal Gradients
  - No category selected
- Aquifer Filter
  - No category selected
- Permeability Filter
  - No category selected
- Well Temperature Filter
  - No category selected
- Well Stratigraphy Filter
  - No category selected
- Well Thermal Conductivity filter
  - No category selected

FUNCTIONALITY
Options
Multiple filters to aid users in finding relevant areas or data
Data

Increase Data
- Readily available data
- Further Data Extraction
- Data Mining

Work with experts to maximise insights and information

Geothermal Gradient Models

Next Steps Resources

Functionality

Cost Estimation/Analysis
Heat Requirement
Temperature Differential Analysis
Time to Economic Recovery