GEOSCIENCE FOR THE FUTURE

Geoscientists will be crucial in meeting society's future challenges, be that through the United Nations Sustainable Development Goals, the Paris Agreement to avoid dangerous climate change, or through other important policies to protect the environment and ensure the availability of vital resources for all.

Geoscientists will be critical in:

- Ensuring access to clean and sustainable water supplies
- Sourcing and extracting critical minerals needed from green technologies like solar and wind power
- Understanding the subsurface to harness geothermal energy, enable safe infrastructure development, and carbon capture and storage technologies
- Mitigating climate change and influencing governmental policy through understanding past climates, modelling potential future outcomes and understanding climate impacts on the environment, livelihoods and natural hazards

The Geological Society
serving science, profession & society

University Geoscience UK

Geology for Global Development

ENGIE

SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS

THE GEOLOGICAL SOCIETY OF LONDON SUPPORTS THE SUSTAINABLE DEVELOPMENT GOALS

PLANETARY GEOLOGY

GIS & REMOTE SENSING

GLACIOLOGY

PALAEOCLIMATOLOGY

GEOMORPHOLOGY

HYDROPOWER

VOLCANOLOGY

GEOPHYSICS

GEOSCIENCE RESEARCH

RENEWABLE ENERGY

NUCLEAR ENERGY

ENVIRONMENTAL/ LANDSCAPE PROTECTION

SSSI

GEOHAZARD MITIGATION

SCIENCE OUTREACH & COMMUNICATION

SCIENCE POLICY

CONTAMINATED LAND

ENVIRONMENTAL GEOCHEMISTRY

EROSION MANAGMENT

SEISMOLOGY

BATTERY TECHNOLOGY

Li Co Cu Nd

MUSEUM CURATION

MUSEUM

NON-GOVERNMENTAL ORGANISATIONS

UNIVERSITY

EARTH SCIENCE LABORATORY

SCHOOL

CENTRAL STATION

TEACHING

OCEANOGRAPHY

CARBON CAPTURE & STORAGE

MINING & MINERAL RESOURCES

PALAEONTOLOGY

DINOSAUR

HYDROCARBONS

H_2O

HYDROGEOLOGY

ENGINEERING GEOLOGY

GEOTHERMAL ENERGY

CO_2

H_2 ,CH_4 OR AIR

ENERGY STORAGE (GAS, HYDROGEN, COMPRESSED AIR)

*MINIMUM DEPTH 200m

GEOLOGICAL DISPOSAL OF RADIOACTIVE WASTE*

CONTAMINATED GROUNDWATER

CRITICAL MINERALS