



# INTERNATIONAL GEOSCIENCE PROGRAMME (IGCP)

## Scientific Board Candidate Specializations

Please select a maximum of five (5) categories which best reflect your area(s) of expertise within geoscience.

### Geology

- General Geology
- Archaeological Geology
- Environmental Geology
- Geomorphology
- Glacial Geology
- Marine Geology
- Mineralogy/Crystallography
- Paleolimnology
- Petroleum Geology
- Igneous Petrology
- Metamorphic Petrology
- Sedimentary Petrology
- Sedimentology
- Stratigraphy
- Structural Geology
- Tectonics
- Volcanology
- Mathematical Geology
- History of Geology
- Other

### Other

- General Earth Sciences
- Atmospheric Sciences
- Earth Science Education
- Physical Geography
- Ocean Engineering/Mining
- Deep Earth
- Remote Sensing
- Meteorology
- Material Science
- Land Use/Urban Geology
- Geographic Information Systems
- Outreach/Communication
- Geological Heritage
- Other

### Geochemistry

- General Geochemistry
- Analytical Geochemistry
- Experimental Petrology
- Exploration Geochemistry
- Geochronology Radioisotopes
- Low-temperature Geochemistry
- Marine Geochemistry
- Organic Geochemistry
- Stable Isotopes
- Aqueous Geochemistry
- Trace Element Distribution
- Other

### Geophysics

- General Geophysics
- Experimental Geophysics
- Exploration Geophysics
- Geodesy
- Geomagnetism/Paleomagnetism
- Gravity
- Heat Flow
- Seismology
- Marine Geophysics
- Other

### Paleontology

- General Paleontology
- Paleostratigraphy
- Micropaleontology
- Paleobotany
- Palynology
- Quantitative Paleontology
- Vertebrate Paleontology
- Invertebrate Paleontology
- Geobiology
- Other

## Planetology

- General Planetology
- Cosmochemistry
- Extraterrestrial Geology
- Extraterrestrial Geophysics
- Comparative planetology
- Astrobiology
- Meteorites and Tektites
- Other

## Energy

- Oil/Gas
- Hydrocarbons
- Fossil energy
- Nuclear Energy
- Sustainable Energy
- Other

## Economic Geology

- General Economic Geology
- Coal
- Metals
- Non-Metals
- Oil and Gas
- Other

## Hydrology

- General Hydrology
- General Water/Hydrogeology
- Geohydrology
- Quantitative Hydrology
- Surface Waters
- Geohydrology
- Other

## Hazards

- Landslides
- Volcanoes
- Tsunamis
- Floods
- Earthquake
- Neotectonics
- Nuclear Explosion Monitoring
- Other

## Soil Science

- Soil Physics/Hydrology
- Soil Chemistry/Mineralogy
- Pedology/Classification/Morphology
- Forest Soils/Rangelands/Wetlands
- Soil Biology/Biochemistry
- Paleopedology/Archaeology
- Other

## Engineering Geology

- General Engineering Geology
- Earthquake Engineering
- Mining Tech/Extractive Metallurgy
- Mining Engineering
- Petroleum Engineering
- Rock Mechanics
- Other

## Climate Change

- Carbon Sequestration
- Greenhouse Gases
- Paleoclimatology
- Paleolimnology
- Paleobiology
- Paleoecology
- Climate Change Tectonics
- Other

## Sustainable Development

- Sustainable Geology
- Sustainable Quarrying
- Sustainable Mine Development
- Sustainable Mineral Resources
- Sustainable Resource Development
- Other

## Oceanography

- General Oceanography
- Biological Oceanography
- Chemical Oceanography
- Geological Oceanography
- Physical Oceanography
- Shore and Near-shore Processes
- Other