





# The International Geoscience Programme (IGCP)

Since 1972, UNESCO, through the International Geoscience Programme (IGCP) and in partnership with the International Union of Geological Sciences (IUGS), has harnessed the intellectual capacity of a worldwide network of geoscientists to lay the foundation for our planet's future, focusing on responsible and environmental resource extraction, natural hazard resilience and preparedness, and adaptability in an era of changing climate. UNESCO, the only United Nations organization with a mandate to support research and capacity building in geology and geophysics, and its flagship programme, the International Geoscience Programme, actively contribute to society and to the implementation of the Sustainable Development Goals.

## IGCP's Contribution to SDG 1



While the number of people living in extreme poverty has reduced by more than half since 1990, in 2015 there were still about 736 million people living on less than 1.90 USD a day; lacking access to basic human needs such as food and sanitation. **SDG 1 is committed to ending poverty in all its forms** and geoscience plays an important role in this objective. Geological resources of all kinds are essential for human life. Mineral resources in particular are present in our everyday lives, from toothpaste to mobile phones and medical equipment. They are highly sought-after and have strong economic value making them a potential tool for economic development.

UNESCO supports collaborative study between institutions and researchers in West and Central Africa to identify valuable accumulations of mineral resources in this region, which will be crucial to local economic development and the fight against poverty. This knowledge will also allow public authorities to improve sustainable mineral extraction and management practices that strengthen institutional capacities and competencies for efficient long-term planning that will help end poverty in Africa.

One of UNESCO's geoscience projects is focused on gathering information on ore-bearing rock formations in West Africa. The project produced a knowledge exchange platform that promotes scientific field trips, courses and even the updating of secondary school curricula on the geological evolution of the region.



Above: explaining how mineral deposits in pillow lava may have formed during the Birimian tectonic stages in Senegal.  
Credit: Tahar Aifa.

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