

Earth materials and a sustainable future

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Earth Materials for a Sustainable and Thriving Society

UNESCO Lecture Series

Personal story From the 'flat' lands to Mountains!



COLLABORATIONS - iCRAG ReSToRE Workshop

ReSToRE brought 42 young researchers (geo- and social scientists) from 21 countries to Ireland for a week-long workshop on natural resources issues.

















GRAND CHALLENGES

- Public acceptance of the extraction industry
- Community engagement in earth resource extraction and use
- Earth resources and the circular economy
- Ethical and responsible sourcing of earth resources



"I think the most important thing is to engage with younger people as flag carriers for the future and to motivate them"

Collaboration

Complex

Challenging

Community

Engagement

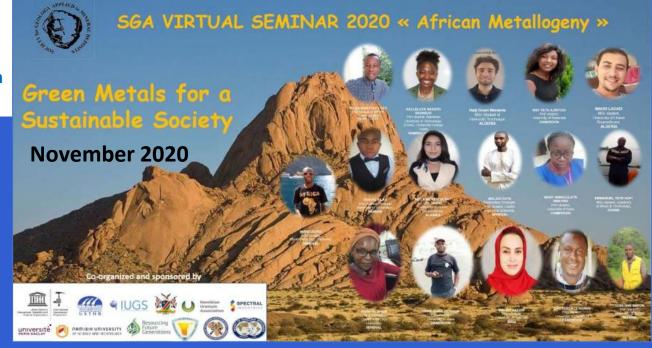
'Cookies'

SGA-VIRTUAL SEMINAR

Virtual seminar brought 16 young geoscientist researchers from 8 African countries to participate in the green metal for a sustainable society.

TOPICS COVERED

- Uranium , Bauxite , Titanium
- Lithium batteries and sustainability of REE
- Environmental and societal risks of mine waste



TAKE AWAY NOTES

- More emphasis on local processing and transformation of whatever metal for equitable and fairer trade in the mineral sector
- Advocate for responsible mining to reduce impact on biodiversity, land and water
- Integrate rehabilitations and closure activities
- Promote community engagement

IGCP 685 - Geology for Sustainable Development

A 5-year UNESCO Earth sciences research networking project on 'Geology for Sustainable Development'

https://www.youtube.com/watch?v=D-I7nnSiFlg&t=46s



Supported by:









FUTUREGEO

Responsible Raw Materials

The Equality, Diversity, and Inclusion in Geoscience (EDIG) project

https://www.youtube.com/channel/UC2vfsWI5__P38KbqL9-Zwmg















VISION FOR THE FUTURE













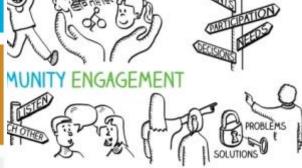






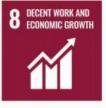






Community Engagement























Data Access

