



United Nations
Educational, Scientific and
Cultural Organization



International
Geoscience
Programme



UNESCO
Global
Geoparks

Working Group Meeting

Governance, procedures and working methods of the governing bodies of UNESCO

27 March 2019 at UNESCO Headquarters (Room IV)

10 a.m. to 6 p.m.



For a sustainable Earth, for sustainable societies

UNESCO's International Geoscience & Geoparks Programme (IGGP)

through its two pillars:

International Geoscience Programme (IGCP)

For almost **50 years**, the **IGCP** has been bringing **geoscientists** from around **the world** to **study the Earth's geological** processes of **societal relevance**.

- 500+ projects funded
- 10,000+ participants from 136 member states
- 44 national committees

UNESCO Global Geoparks (UGGp)

UNESCO Global Geoparks are laboratories for **sustainable development** which promote the recognition and management of our **Earth heritage** and **sustain local communities**.”

- 140 UNESCO Global Geoparks in 38 member states



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INTERNATIONAL GEOSCIENCE AND GEOPARKS PROGRAMME - IGGP

INTERNATIONAL GEOSCIENCES PROGRAMME - IGCP

IGCP Bureau

Chairperson: Brigitte Vlaswinkel
Vice-Chairperson: Sobhi Nasir
Rapporteur: Yongje Kim
UNESCO DG (*without the right to vote*)
IUGS Secretary General: Stan Finney (*without the right to vote*)

Observers of IGCP Bureau (*without the right to vote*)

Council Members

Chairperson: Brigitte Vlaswinkel (*The Netherlands, Oct 2016-Sept 2020*)
Earth Resources Theme: Sobhi Nasir (*Jordan, Oct 2018- Sept 2022*)
Global Change Theme: Weijian Zhou (*China, Oct 2018-Sept 2022*)
Geohazards Theme: Carlos Vargas Jimenez (*Colombia, Oct 2018-Sept 2022*)
Hydrogeology Theme: Yongje Kim (*Rep. of Korea, Oct 2016-Sept 2020*)
Geodynamic Theme: Nellia Mutemeri (*Zimbabwe, Oct 2016-Sept 2020*)
 +IGCP Scientific Board



UNESCO GLOBAL GEOPARKS - UGGp

UGGp Bureau

Chairperson: Guy Martini
Vice-Chairperson: Jianping Zhang
Rapporteur: Kirstin Lemon
UNESCO DG (*without the right to vote*)
GGN association President: Nikolas Zouros (*without the right to vote*)
IUCN Representative: (*without the right to vote*)

Observers of UGGp Bureau (*without the right to vote*)

Council Members

Chairperson: Guy Martini (*France, Sept 2016-Aug 2020*)
Vice-Chairperson: Jianping Zhang (*China, Sept 2018-Aug 2022*)
Rapporteur: Kirstin Lemon (*Ireland, Sept 2016-Aug 2020*)
+9 members: Asrat Asfawossen (*Ethiopia, Sept 2018-Aug 2022*), Enas Ahmed (*Egypt, Sept 2018-Aug 2022*), Jianping Zhang (*China, Sept 2018-Aug 2022*), Border Melanie (*UK, Sept 2016-Aug 2020*), Rangnes Kristin (*Norway, Sept 2016-Aug 2020*), Chulepin Helga (*Uruguay, Sept 2016-Aug 2020*), Martina Paskova (*Czech Rep, Sept 2018-Aug 2022*), Watanabe Mahito (*Japan, Sept 2016-Aug 2020*), Ana Ruiz Conde (*Spain, Sept 2018-Aug 2022*), Soo Jae Lee (*Rep. of Korea, Sept 2018-Aug 2022*)
 +Evaluation Teams



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INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP



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**Sustainable
Development
Goals**

International Geoscience Programme Overview

Dr. Brigitte Vlaswinkel
Chair IGCP



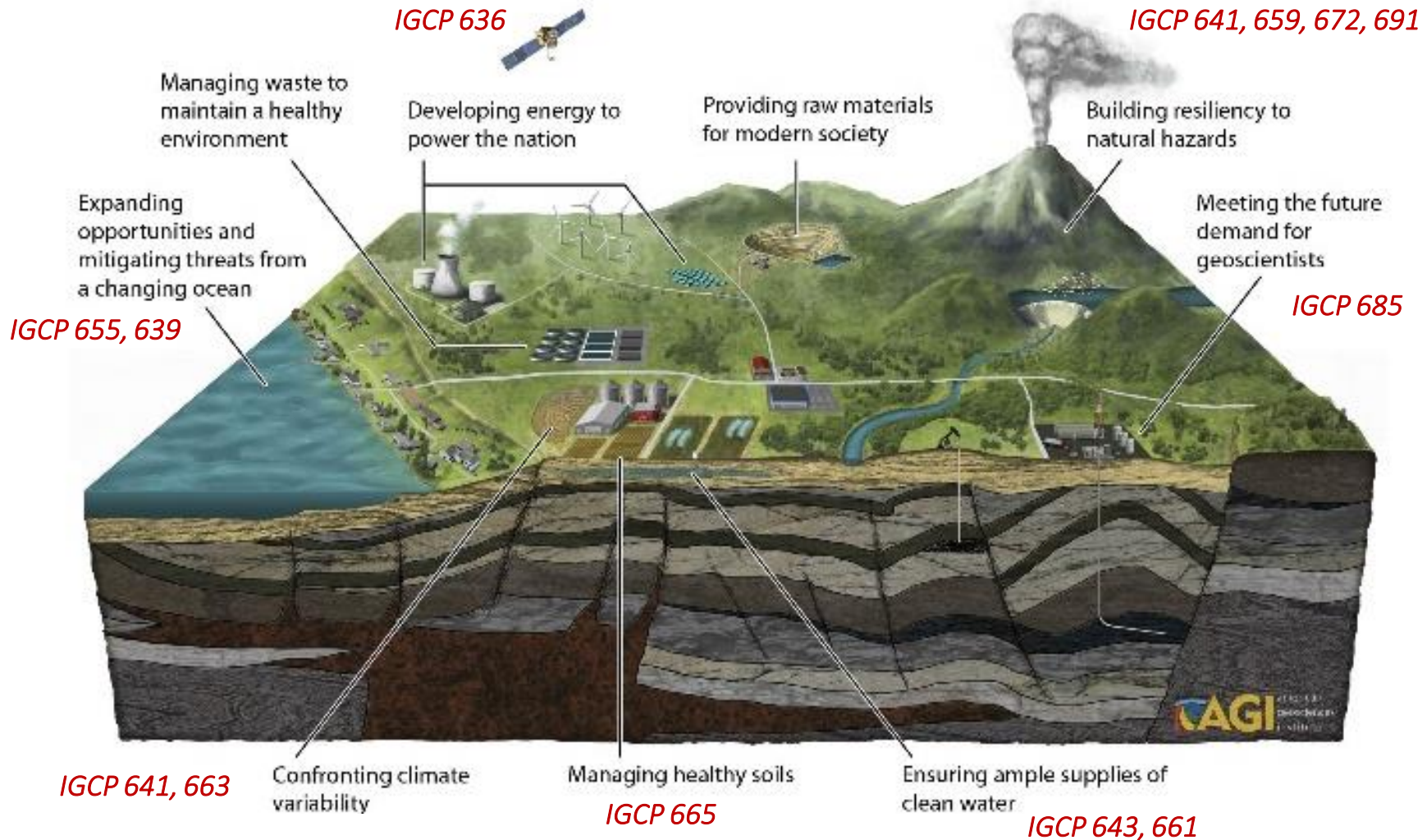
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Geoscience and the 21st Century

INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP





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Geoscience and the 21st Century

INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP



17 Sustainable Development Goals

7 GLOBAL TARGETS	<h3>Reduce</h3>	<h3>Increase</h3>
	Mortality/ global population <small>2020-2030 Average << 2005-2015 Average</small>	Countries with national & local DRR strategies <small>2020 Value >> 2015 Value</small>
	Affected people/ global population <small>2020-2030 Average << 2005-2015 Average</small>	International cooperation <small>to developing countries</small> <small>2030 Value >> 2015 Value</small>
	Economic loss/ global GDP <small>2030 Ratio << 2015 Ratio</small>	Availability and access to multi-hazard early warning systems & disaster risk information and assessments <small>2030 Values >> 2015 Values</small>
	Damage to critical infrastructure & disruption of basic services <small>2030 Values << 2015 Values</small>	

7 Global Targets of Sendai Framework for Disaster Risk Reduction

Paris Climate Agreement
Global Goals of Sustainable Development
Sendai Framework for Disaster Risk Reduction



**Define the way politicians and the public
view the 21st Century's grand challenges..**

Maintaining the environmental sustainability of the planet is fundamental to our future well being and geologists are key stakeholders in this long-term sense of purpose



Sustainable Development Goals

UNESCO's International Geoscience programme (IGCP) supporting research and capacity-building

For a sustainable Earth, for sustainable societies

27 active IGCP projects

17 PARTNERSHIPS FOR THE GOALS

160 project leaders from 57 countries



4485 scientists participating from 105 countries

5 GENDER EQUALITY



One in three participating scientists & project leaders is a woman



IGCP PROJECT 636

Characterization and Sustainable Exploitation of Geothermal Resources

Geothermal energy can provide reliable, low-cost, low-carbon heat and power by tapping into hot subsurface fluids and steam.

Our international team of researchers is developing better methods for extracting and exploiting geothermal energy and sharing this information with countries committed to making their own resources more accessible and economically viable.



IGCP PROJECT 672

Himalayan Glaciers and Risks to Local Communities

The melting, debris-covered glaciers of Bhutan and Nepal expose local communities to various hazards, such as landslides and floods.

Our international team of researchers is using GIS and remote sensing technologies to assess the level of risk in the Himalayas and teaching local communities how to use these techniques to monitor the situation, so that they can take steps to mitigate the socio-economic impact of climate change.



IGCP PROJECT 637

Heritage Stone Designation

Geoheritage makes an important contribution to national and regional economies. Our international team of researchers is identifying naturally occurring stones of cultural, historic, geological and economic significance for particular regions and informing local communities about the value of certifying them. The team is also advocating sustainable and responsible quarrying. Examples of certified stones are the Belgian Petit Granit, Italian Carrara Marble, Norwegian Larvikite and the UK's Portland Stone.



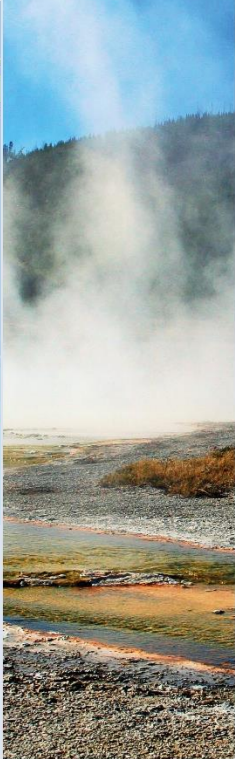
IGCP PROJECT 663

Monitoring Land Subsidence in Coastal Cities

Climate change and related sea-level rise pose unique challenges to densely populated cities that may be exacerbated by outdated urban infrastructures. Our international team of researchers is studying the geophysical and hydro-meteorological hazards affecting low-lying cities, in order to control and prevent land subsidence. Examples of study sites are Alexandria, Dhaka, Jakarta, Shanghai and Venice.



IGCP Countries





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2019 IGCP Council

INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP

18-21 February 2019
3rd IGCP Council meeting
UNESCO HQ

Theme group leaders

Prof. Sobhi Nasir - Oman
Dr. Weijian Zhou - China
Prof. Carlos Alberto Vargas J. - Colombia
Dr. Yongje Kim - Korea
Dr. Nellie Mutemeri - Zimbabwe





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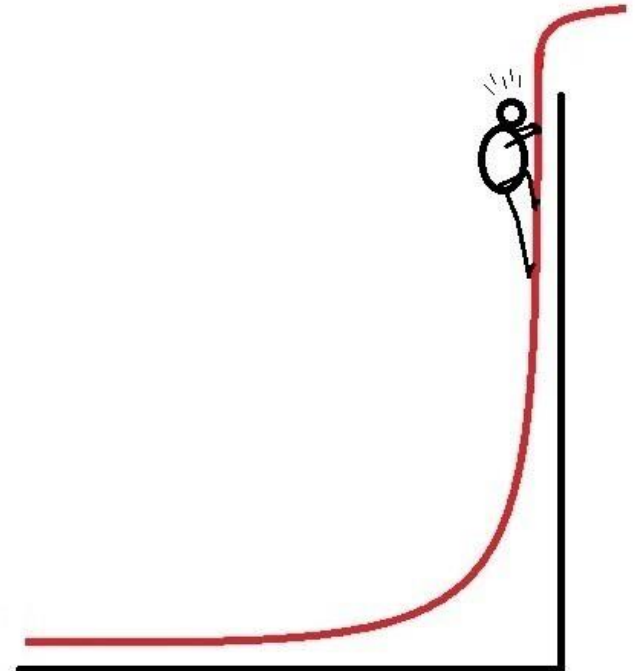
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BEST PRACTICES

INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP

We acknowledge that the governance working group had stressed:

- the very positive merge of the two programmes in 2015 and showcased it as a model for other UNESCO bodies.
- The Composition of IGGP Councils,
- The involvement of local communities and international scope of IGGP activities as well as extensive support of the International Union of Geological Sciences (IUGS) and Global Geoparks Network (GGN) have been indicated as best practices.
- We also recognize that the merged programme is young and going through a learning curve and we are working closely to bring further synergies between its two pillars and its governance.





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Sustainable
Development
Goals

UNESCO GLOBAL GEOPARKS Overview

Dr. Guy Martini
Chair UGGP



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2019 UGGp Council

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[UGGp video](#)

<https://www.youtube.com/watch?v=bc-rV2s20Hk>



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INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP

7-9 September 2019
4th UGGP Council meeting
Adamello Brenta

12 Council members





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RECOMMENDATIONS

INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP

F. SPECIFIC RECOMMENDATIONS FOR INTERNATIONAL FUND, INTERNATIONAL PROGRAMMES, AND INTERNATIONAL EXPERT BODIES

113 The IGGP Secretariat already put in place a number of measures, after having participated in the discussion with Member States during the meeting of the open-ended working group on governance in May 2017. These measures were publicly announced during the open session of the IGCP Council meeting in February 2018.

- ✓ Enhance and update website
- ✓ Strengthen reporting to General Conference and Executive Board
- ✓ Intensify synergies and cooperation with MAB and WHC
- ✓ Continue to expand avenues for North-South and South-South cooperation



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Intensive Course for African Geoparks in China (Yanqing UNESCO Global Geopark)



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Training field visit of Ngorogoro-Lengai UNESCO Geopark staff (Tanzania) in Dong Van UNESCO Global Geopark (Vietnam)



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INTERNATIONAL GEOSCIENCES PROGRAMME-IGCP

Multinational Students camp 2018
in trans border Muskau Arch UNESCO Global Geopark – Germany & Poland



- It has been recognized that the joint programme is young and going through a learning curve since 2015.



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Cao Bang UNESCO Global Geopark, Vietnam

- IGCP and UGGp Council chairpersons are working closely to bring further synergies between the two pillars of the IGGP and its joint governance based on extensive lessons learned from the IGCP Council structure which are being transferred and applied to the UGGp Council governance.



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- <http://www.unesco.org/new/en/natural-sciences/environment/earth-sciences/international-geoscience-and-geoparks-programme/>
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- <https://twitter.com/unescoEARTH/status/941600941496729601>

THANK YOU