



GEOPARKS AND SUSTAINABLE DEVELOPMENT GOALS WORKSHOP FOR GEOPARK MANAGERS



5 February 2024, 12:00 GMT



SUSTAINABLE
DEVELOPMENT GOALS
WORKING GROUP



UNESCO Global Geoparks and the Agenda 2030:

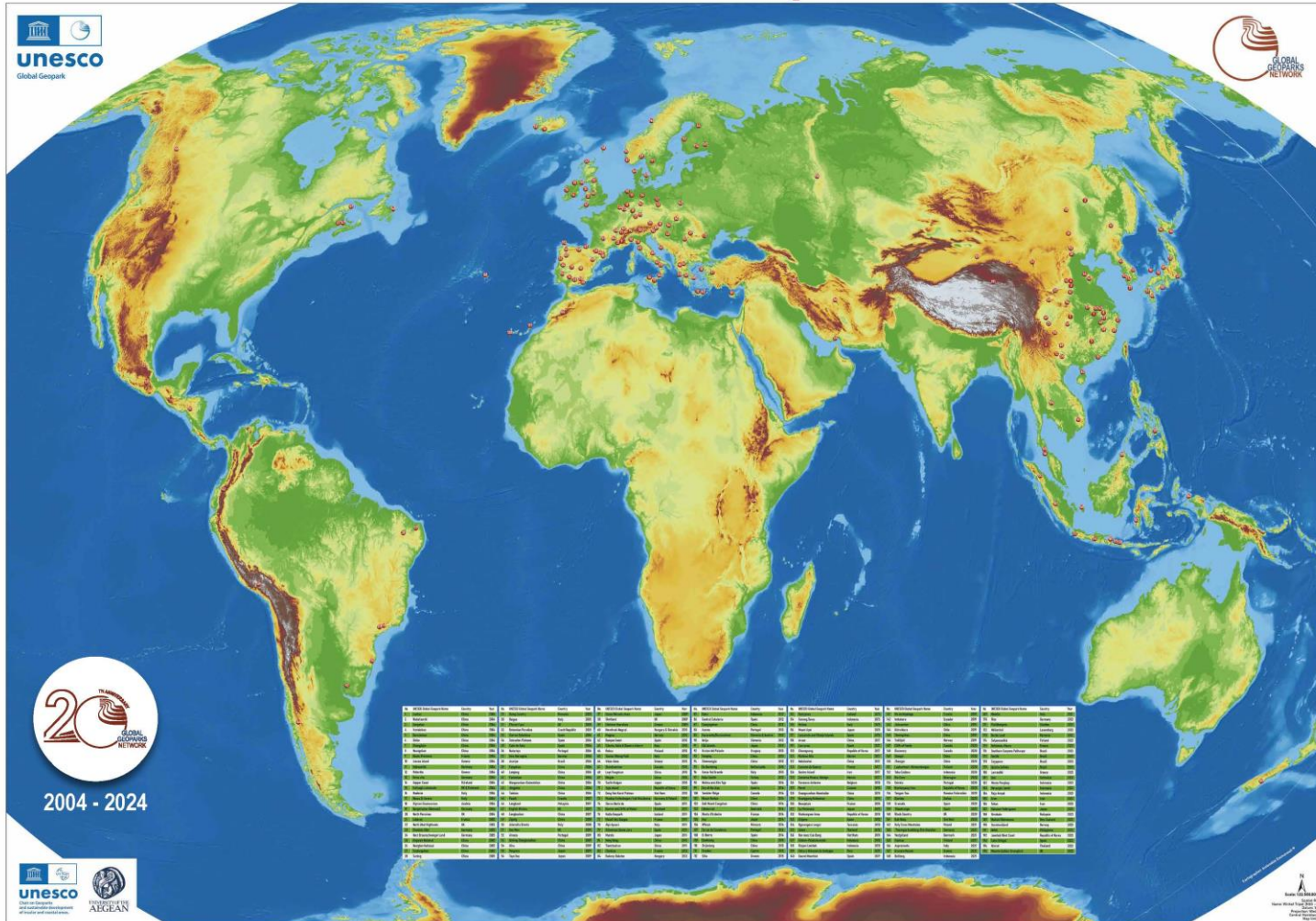
Why are they perfect places for the implementation of the Sustainable Development Goals (SDGs)?

Dr. Jutta Weber

GGN Sustainable Development Goals Working Group

j.weber@geo-naturpark.de

UNESCO Global Geoparks 2024



We are a Network of 195 UNESCO Global Geoparks in 48 countries worldwide

Our Potentials as UNESCO Global Geoparks



- Territories with international geological heritage connected to nature, landscape & culture regarding protection, conservation & sustainable use
- Interdisciplinary and holistic strategy
- Regional Networks with „bottom up“-approach
- Community participation & cooperation with economy & tourism
- Sustainable regional development & networking
- Education for sustainable development
- Experts for our planet Earth for a sustainable future

Our tasks as UNESCO Global Geoparks



- **Guarantee quality and development of these potentials and strategies in the overall context**
- **Participation in and contributions to the GGN & IGGP**
- **Cooperation with other UNESCO Programmes**
- **inside the Geopark territories and abroad (WHS, MAB, Intangible Heritage, ASPNet, UNITWIN - UNESCO Chairs...)**
- **Contributions to common programmes of the United Nations**



2015: The United Nations declare the Agenda 2030 for Sustainable Development



**Defined by 17 Sustainable Development Goals (SDGs):
Our gateway to the future**

What is the Agenda 2030 about?

The overall guideline to face the interconnected challenges of the Global Change:

- Biodiversity loss
- Climate change and all effects
- Inequality on all levels
- Waste of our resources
- Ignorance of our the Planetary boundaries



The answer is: Social – Economical – Ecological Sustainability

Sustainability: The « five P »



<https://sdgs.punjab.gov.pk/the-five-ps>

Planet - protect our natural resources – environment, climate

People - end poverty and hunger, ensure dignity and equality

Prosperity - ensure prosperity in harmony with nature

Peace - foster peace through equal societies

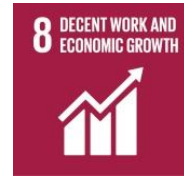
Partnership - build partnerships to implement the goals

The connection to the 17 Sustainable Development Goals



People:
Education, well-being, equality & social justice

Peace and Partnership:
Local & international cooperation



Prosperity:
Growth within the planetary boundaries



Planet:
Preservation of our natural resources



How do we UNESCO Global Geoparks contribute to the SDGs with our individual ongoing activities ?

- Programmes of disaster risk reduction – **prevent future poverty**



- Support of local agriculture and farm activity days - **support nutrition**



- Wellness, hiking, sports activities– **support health & wellbeing**



- Nature education, learning experiences, school programmes – **support education**



- Women empowerment, cooperatives, qualification – **support gender equality**



➤ Protection of land water ecosystems – **protection of clean water**



➤ E-mobility, awareness and use of renewable energy – **support of clean energy**



➤ Local tourism & economy cooperation – **support of economic growth**



➤ Implementation of trails, digital tools, research – **support of innovation and infrastructure**



➤ Cooperation with indigenous people, partnerships among countries – **reduction of inequalities**



➤ We make cities more green, cooperate with WHS – **support sustainable areas**



- Programmes of regional food & production – **support responsible consumption**
- Awareness of climate change and activities for climate protection – **support climate action**
- Sustainable fishing, underwater geology, beach cleaning – **support life below water**
- Tree planting, biodiversity protection, awareness of soil – **support of life on land**
- Our Community participation, regional networking – **support of strong institutions**
- Our international networking and partnerships worldwide – **we are partners for the SDGs!**



These are just examples of our activities !

With

- our broad variety of tasks, activities and projects
- our holistic and interdisciplinary approach
- our intense networking
- our connection to the people
- our educational activities
- our overall understanding of Planet Earth

We support the SDGs directly on site, which makes the UNESCO Global Geoparks ideal MODEL TERRITORIES for the Agenda 2030



As Agenda 2030 Model Territories the UNESCO Global Geoparks

- ✓ act as interface between the international declaration and on the spot implementation
- ✓ support the SDGs with our ongoing activities and projects
- ✓ create awareness in an understandable manner for everyone
- ✓ connect international - national - regional - local - individual level
- ✓ combine the knowledge of the past with the presence and can contribute to a sustainable future



Our UNESCO Global Geoparks philosophy, our tasks and our efforts contribute directly to the PEOPLE, PROSPERITY, PEACE, PARTNERSHIP and our PLANET in the frame of the SDGs of the Agenda 2030



GEOPARKS AND SUSTAINABLE DEVELOPMENT GOALS WORKSHOP FOR GEOPARK MANAGERS



5 February 2024, 12:00 GMT



SUSTAINABLE
DEVELOPMENT GOALS
WORKING GROUP



UNESCO Global Geoparks and SDGs: Why are they perfect places for SDGs implementation?

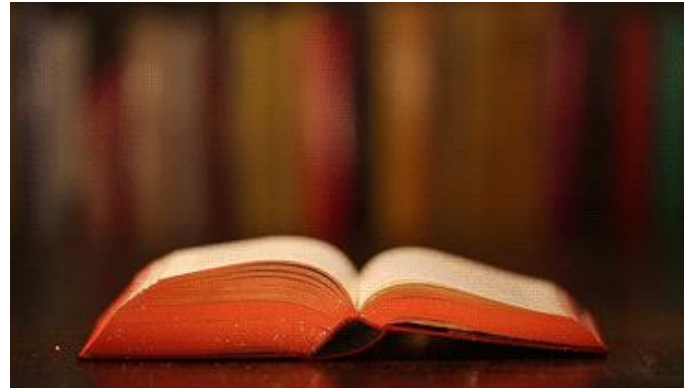
*The big picture...
Belonging to a huge “family”...*

Dr. Elizabeth Silva

Member of the UNESCO Chair on Geoparks, Regional
Sustainable Development and Healthy Lifestyles (UTAD)
GGN Sustainable Development Goals Working Group

elizabethsilva.m@gmail.com

The UNESCO Global Geoparks are defined by their holistic approach...

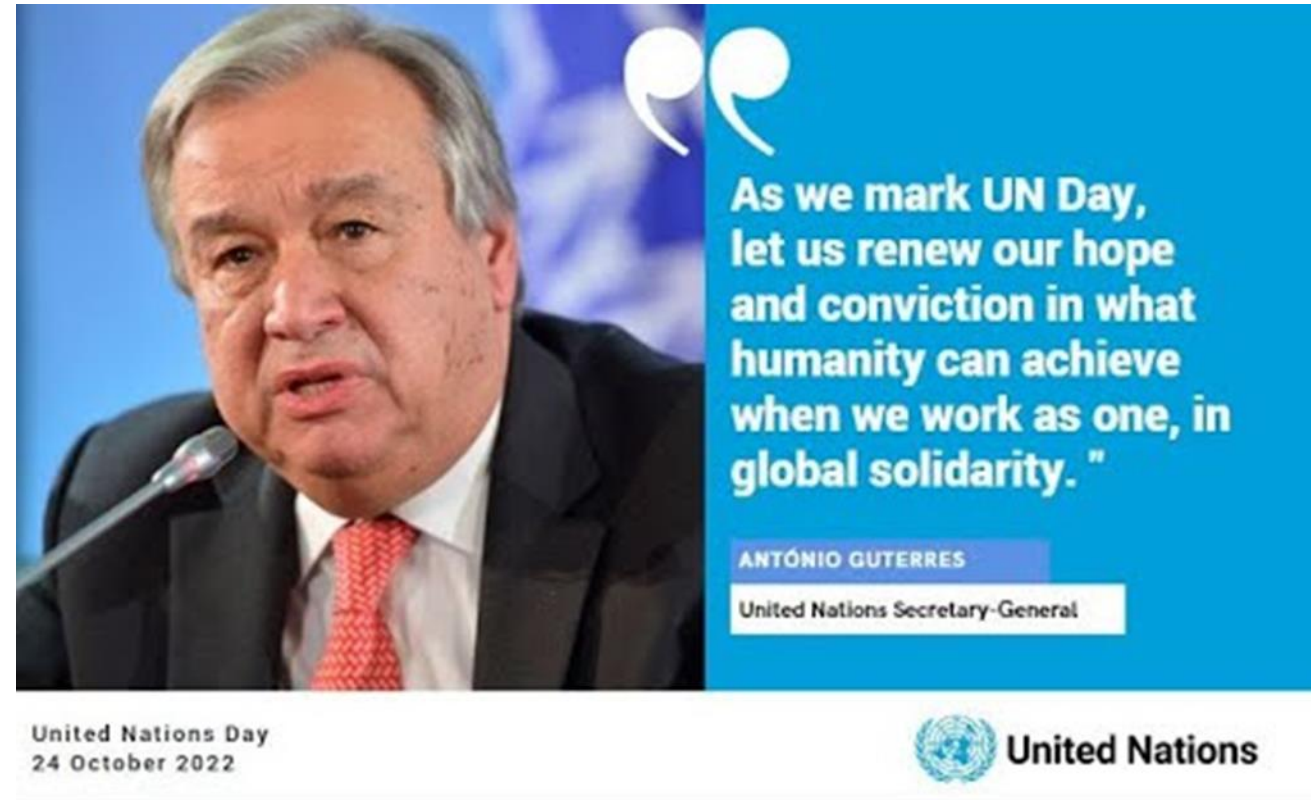


Each Geopark is a chapter of a “book” which tells us stories about Planet Earth...during its geological time...



Working Group on SDGs and Climate Change of GGN

However, the knowldege and the activities of the UGGps are developed upon its definition under the “umbrella” of one “big family”: the United Nations...



Working Group on SDGs and Climate Change of GGN

UNESCO has main priorities such as the achievement of the Sustainable Development Goals and the improvement of the human condition...



UNESCO

/ju: 'nes.kəʊ/



United Nations
Educational, Scientific and
Cultural Organization

United Nations Educational, Scientific and Cultural Organization is responsible for coordinating international cooperation in education, science, culture and communication. It strengthens the ties between nations and societies, and mobilizes the wider public so that each child and citizen:









- has access to quality education; a basic human right and an indispensable prerequisite for sustainable development;
- may grow and live in a cultural environment rich in diversity and dialogue, where heritage serves as a bridge between generations and peoples;
- can fully benefit from scientific advances;
- and can enjoy full freedom of expression; the basis of democracy, development and human dignity.

UNESCO designated sites connect the world and bring out the best in our shared humanity...



NETWORKS



 1199 World Heritage Sites of exceptional cultural and natural value.	 730 Intangible Heritage Elements in 145 countries.	 748 Biosphere reserves in 134 countries.	 3.9 billion people live in cities discover the Creative Cities Network.
 195 UNESCO Global Geoparks in 48 countries.	 12,000 ASPnet member schools in 182 countries	 850 higher education and research institutions in 117 countries as part of the UNITWIN/UNESCO Chairs network	 220+ UNEVOC Centres situated in more than 140 UNESCO Member States worldwide

Working Group on SDGs and Climate Change of GGN



unesco

Man and the Biosphere
Programme

15 LIFE
ON LAND



Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt and reverse land degradation and halt biodiversity loss



Working Group on SDGs and Climate Change of GGN



Ensure availability and sustainable management of water and sanitation for all



Working Group on SDGs and Climate Change of GGN



unesco

Intergovernmental
Oceanographic
Commission



Conserve and sustainably use the oceans, seas and marine resources for sustainable development

A triple crisis that we are facing right now!



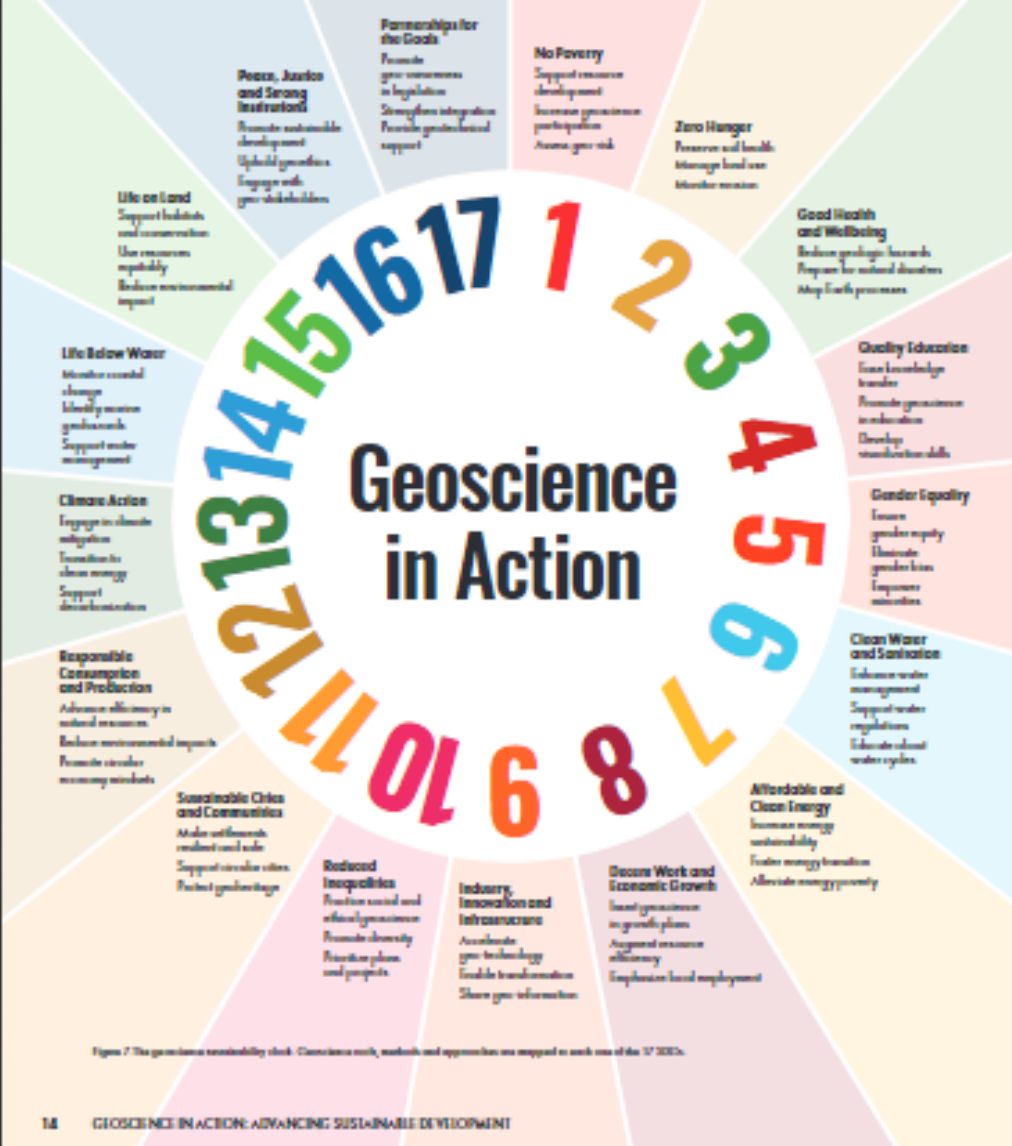
Working Group on SDGs and Climate Change of GGN



unesco
International Geoscience Programme

International Geoscience Programme (IGCP)

A better understanding of the Earth is essential for the diversity of life and future of human society. UNESCO is the only United Nations organization with a mandate to support research and capacity building in geology and geophysics, and the International Geoscience Programme is its flagship.



Working Group on SDGs and Climate Change of GGN

An historical moment... the creation of a new scientific programme after four decades of existence of UNESCO...

International Geoscience and Geoparks Programme

Preserving our Earth's resources for future generations



38ème session Conférence générale Unesco-Paris:03 au 18 /11/2015

© Ph.S.Msadek- s.msadek@parishot-presse.fr www.parishot-presse.fr



unesco

Global Geopark



Workshop on Sustainable Development Goals (SDGs) | 05.02.2024

SUSTAINABLE DEVELOPMENT GOALS

Working Group on SDGs and Climate Change of GGN

IGGP - 'Eight SDGs' (2015)



IGGP - extension from 'eight' to 'eleven' SDG: three added SDGs (2020)



unesco
Global Geopark

Figure 83 – Proposal of the extension from 'Eight SDGs' to 'Eleven SDGs' selected by IGGP in 2020 (UNESCO, 2019e, 2020f); © Elizabeth Silva.

Working Group on SDGs and Climate Change of GGN

Table 5 – Correlation between the ‘Top Ten Focus Areas’ and the SDGs considering the identified keywords.

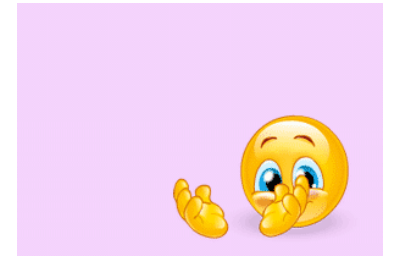
‘Top Ten Focus Areas’	Correlated SDGs
Natural Resources	SDG 2, SDG6, SDG 7, SDG 11, SDG 12, SDG 14, SDG 15
Geological Hazards	SDG 1, SDG 2, SDG 3, SDG 9, SDG 11, SDG 13
Climate Change	SDG 1, SDG 2, SDG 3, SDG 13, SDG 14, SDG 15, SDG 17
Education	SDG 4, SDG 12, SDG 13
Science	SDG 3, SDG 9, SDG 13, SDG 14, SDG 16, SDG 17
Culture	SDG 4, SDG 11, SDG 12
Women	SDG 1, SDG 2, SDG4, SDG 5, SDG 8
Sustainable Development	SDG 1, SDG 2, SDG 4, SDG 8, SDG 9, SDG 10, SDG 11, SDG 12, SDG 14, SDG 15, SDG 16, SDG 17
Local and Indigenous Knowledge	SDG 2, SDG 11, SDG 12, SDG 15
Geoconservation	SDG 11, SDG 13

© Elizabeth Silva



The poster features the Global Geoparks Network logo at the top left and the UNESCO Global Geoparks logo at the top right. The central text reads "GEOPARKS AND SUSTAINABLE DEVELOPMENT GOALS WORKSHOP FOR GEOPARK MANAGERS". Below this is a circular graphic of the 17 Sustainable Development Goals. At the bottom, it specifies the date and time: "5 February 2024, 12:00 GMT". Logos for the Global Geoparks Network and the Sustainable Development Goals Working Group are at the bottom left, and a 20th anniversary logo is at the bottom right.

So, directly or indirectly the UGGps contribute effectively for the implementation of the 17 SDGs of the 2030 Agenda...



Sustainable Development Goals



Figure 1 – The 17 SDGs of the 2030 Agenda for Sustainable Development; © United Nations, 2015.



GEOPARKS AND SUSTAINABLE DEVELOPMENT GOALS WORKSHOP FOR GEOPARK MANAGERS



5 February 2024, 12:00 GMT



SUSTAINABLE
DEVELOPMENT GOALS
WORKING GROUP



UNESCO Global Geoparks and the Agenda 2030:

The SDG Template for UNESCO Global Geoparks

Dr. Jutta Weber

GGN Sustainable Development Goals Working Group

j.weber@geo-naturpark.de

The SDG Template for UNESCO Global Geoparks



Why do we need the template and how do we document our activities?

- **Visibility of SDG activities**
- **Documentation of SDG contributions (qualitative and quantitative)**
- **Publication of the results**

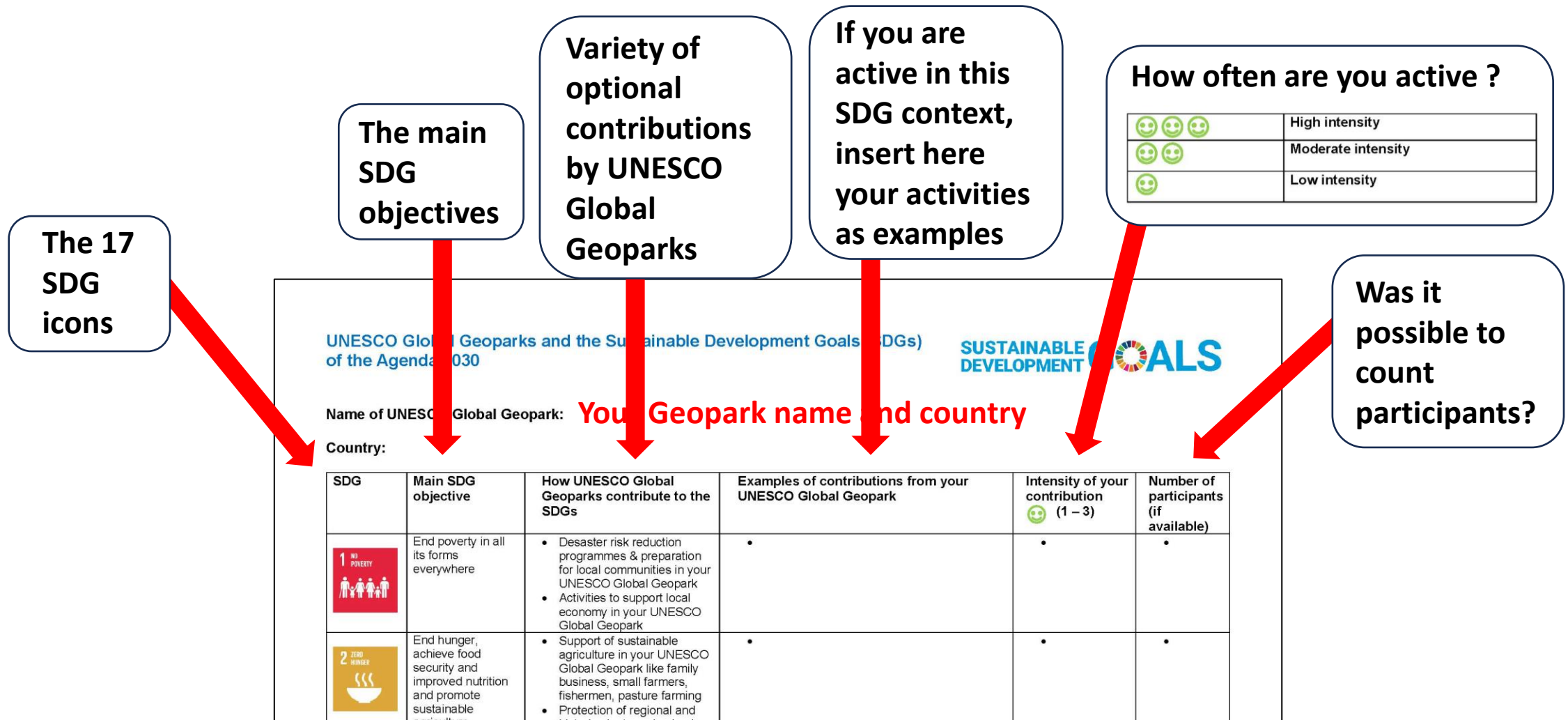
UNESCO Global Geoparks and the Sustainable Development Goals (SDGs) of the Agenda 2030 **SUSTAINABLE DEVELOPMENT GOALS**

Name of UNESCO Global Geopark:
Country:

SDG	Main SDG objective	How UNESCO Global Geoparks contribute to the SDGs	Examples of contributions from your UNESCO Global Geopark	Intensity of your contribution (1-5)	Number of participants (if available)
1	End poverty in all its forms everywhere	<ul style="list-style-type: none">• Creation of education programmes & preparation for local communities in your UNESCO Global Geopark• Activities to support local economy in your UNESCO Global Geopark			
2	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	<ul style="list-style-type: none">• Support of sustainable agriculture in your UNESCO Global Geopark (see family business, small farms, tourism, produce farming)• Production of regional and national goods and services• Regional food programmes			
3	Ensure healthy lives and promote well-being for all at all ages	<ul style="list-style-type: none">• Support of your UNESCO Global Geopark activities for health and well-being in nature• Sports activities (hiking, cycling)• Awareness and mental health (e.g. stress relief)• Healthy health initiatives			

Do good things and talk about it as a Global Network !

How does the SDG template look like?



How to use the template

- Go through the description areas you are active

How UNESCO Global Geoparks contribute to the SDGs

for each SDG and identify in which

- Integrate your activities into the respective space

Examples of contributions from your UNESCO Global Geopark

- Estimate how active you are



and

- Quantify, if possible, the number of participants





It is usual, that you have priorities and do not support each SDG

Examples



You have done an educational activity for a primary school:





SDG	Main SDG objective	How UNESCO Global Geoparks contribute to the SDGs	Examples of contributions from your UNESCO Global Geopark	Intensity of your contribution 😊 (1 – 3)	Number of participants (if available)
	Ensure inclusive and quality education for all and promote lifelong learning	<ul style="list-style-type: none"> Your UNESCO Global Geopark educational programmes from kindergarden up to post-graduate level, as well as University students and programmes of lifelong learning Education on Earth heritage and its links to natural and cultural heritage. Educative tools, trails and publications Education of the SDGs Education of staff, guides & stakeholders Inclusive education for all 	<ul style="list-style-type: none"> Describe activity in a few words like “Nature experience for primary school” 	<ul style="list-style-type: none"> Regular activity? Insert 1-3 smileys“   	<ul style="list-style-type: none"> Insert number of participants e.g. 15

Examples



You promote regional producers and regional/seasonal food:





	<p>Ensure sustainable consumption and production patterns</p>	<ul style="list-style-type: none"> • Support of local producers and local products • Programmes and activities with local farmers in your UNESCO Global Geopark • Implementation of local markets with regional and seasonal products. • Use of local and regional food for own Geopark activities, festivals and events • Use of Geopark product criteria and label • Support of waste prevention 	<ul style="list-style-type: none"> • Describe activity in a few words like “Regional cooking and presentation of seasonal products for stakeholders” 	<p>Regular activity? Insert 1-3 smileys”</p> 	<ul style="list-style-type: none"> • Insert number of participants e.g. 11
---	---	--	---	---	---

Examples



You have implemented a public workshop to create awareness for climate change and resilience:





	<p>Take urgent action to combat climate change and its impacts</p>	<ul style="list-style-type: none"> • Activities of your UNESCO Global Geopark for climate protection: • Tree planting, bog waterlogging, unsealing of soils / soil protection • Campaigns to save CO2 (e.g. walking day, use of public transport..) • Programmes for resilience against natural disasters and climate induced dangers • Compensation of CO2 consumption (e.g. plane travelling to conferences etc) either in Geopark territory or compensation programmes (e.g. atmosfair) 	<ul style="list-style-type: none"> • Describe activity in a few words like “Climate change and resilience workshop for the public” 	<ul style="list-style-type: none"> • Regular activity? Insert 1-3 smileys“ 	<ul style="list-style-type: none"> • Insert number of participants e.g. 30
---	--	---	--	--	--

Examples



You implement a tree planting workshop for biodiversity in the forest:




	<p>Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss</p>	<ul style="list-style-type: none"> • Activities of your UNESCO Global Geopark to protect soil, prevent erosion, support biodiversity, preserve genetic resources • Cooperation with forestry (e.g. planting activities with climate-resistant trees) • Activities to protect biodiversity (e.g. nesting houses, flowering areas, insect-friendly environment) • Protection of primary and secondary biotopes (often abandoned quarries) • Protection and conservation of geosites and their geological & biological values • Public gardening activities for local communities 	<ul style="list-style-type: none"> • Describe activity in a few words like “Tree planting workshop for biodiversity” 	<ul style="list-style-type: none"> • Regular activity? Insert 1-3 smileys“ 	<ul style="list-style-type: none"> • Insert number of participants e.g. 50
---	--	---	--	---	--

Examples



You participate in **common activities of the UNESCO Global Geoparks** (Conference, SDG publication):



	<p>Revitalize the global partnership for sustainable development</p>	<ul style="list-style-type: none"> • Information on the SDGs in your UNESCO Global Geopark (e.g. website, social media, magazines, brochures, workshops, campaigns) • Your contributions to international networking of the UNESCO Global Geoparks via GGN • Your contributions to capacity building and consultancy for potential UNESCO Global Geopark candidates • International networking between different UNESCO programmes by common projects • Promotion of the SDGs in the international context and publication of best practice (e.g. at conferences) 	<p>•</p> <p>Describe activity in a few words like “Contribution to SDG publication and participation in Conference”</p>	<p>•</p> <p>Regular activity? Insert 1-3 smileys”</p> <p>☺☺☺ ☺☺ ☺</p>	<p>•</p> <p>Insert number of participants e.g. 200</p>
---	--	--	---	---	--

Following this principle, you can connect your activities with the respective SDG and describe it briefly in the template and...

UNESCO Global Geoparks and the Sustainable Development Goals (SDGs) of the Agenda 2030

Name of UNESCO Global Geopark: _____

Country: _____

SDG	Main SDG objective	How UNESCO Global Geoparks contribute to the	Examples of contributions from your UNESCO Global Geopark	Intensity of your contribution (1-3)	Number of participants (if available)
1	End poverty in all its forms everywhere	• Disaster risk reduction programmes & preparation for local communities in your UNESCO Global Geopark	• Activities to support local economy in your UNESCO Global Geopark		
2	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	• Support of sustainable agriculture in your UNESCO Global Geopark (see family business, small farmers, fishermen, pasture farming)	• Promotion of regional and national plants and animals		
3	Ensure healthy lives and promote well-being for all at all ages	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Sports activities (hiking, cycling, ...)		
10	Reduce inequality within and among countries	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
11	Make cities and human settlements inclusive, sustainable and resilient	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
12	Build responsible consumption and production patterns	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
13	Take action to combat climate change and its impacts	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
14	Conserve and sustainably use the oceans, seas and marine resources	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, conserve and enhance freshwater ecosystems and terrestrial biota, and promote sustainable agriculture and forestry	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
16	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
17	Strengthen partnerships for sustainable development	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		
18	Revitalize rural areas	• Support of your UNESCO Global Geopark activities for health and well-being in nature	• Awareness and mental health (in e.g. urban parks)		

Intensity Legend:

- High intensity: 3 green circles
- Moderate intensity: 2 green circles
- Low intensity: 1 green circle

- Insert your Geopark name and country
- Please send the completed template to
- secretariat@globalgeoparksnetwork.org
- Don't hesitate to ask, if you have questions



- Your contributions will be compiled to a comprehensive document as important pillar to show

The **evidence and power** of UNESCO Global Geoparks in supporting the Agenda 2030

The **impact** of UNESCO Global Geoparks in the context of all UNESCO Programmes



Thank you for your attention !





GEOPARKS AND SUSTAINABLE DEVELOPMENT GOALS WORKSHOP FOR GEOPARK MANAGERS



5 February 2024, 12:00 GMT



SUSTAINABLE
DEVELOPMENT GOALS
WORKING GROUP



General information about current activities and perspectives of the GGN Sustainable Development Goals Working Group

Dr. Jutta Weber

GGN Sustainable Development Goals Working Group

j.weber@geo-naturpark.de

Members:



SUSTAINABLE
DEVELOPMENT GOALS
GGN WORKING GROUP

Jutta Weber, Bergstrasse-Odenwald UGGp (Germany), Individual Member and Catalyst of EGN SDG WG

Elizabeth Silva, GGN Individual member (Portugal)

Mega Fatimah Rosana, Ciletuh - Palabuhanratu UGGp (Indonesia)

Mohammed Boutakyout, M'Goun UGGp (Morocco)

Lulin Wang, Arxan UGGp (P.R. China)

Kana Furusawa, Japanese Geoparks Network & GGN Executive Board member (Japan)

Marie-Luise Frey, Germany, Individual Member, GGN Executive Board & UNESCO Global Geopark Council Member



Our objectives



SUSTAINABLE
DEVELOPMENT GOALS
GGN WORKING GROUP

- **Strengthening** the Agenda 2030 with the 17 SDGs in its overall context
- **Communicating** the active and supporting role of the UNESCO Global Geoparks, their philosophy, operation and daily tasks
- **Promotion and Visibility** of the Geoparks contribution in SDG's implementation
- **Coordination and collection** of information from Working Groups of regional UNESCO Global Geopark networks
- **Integration of SDGs into existing training formats** (Intensive Course on Geoparks Lesvos and China, UNESCO Summer University on Geoparks Portugal...)
- **Regular capacity building** for GGN members by SDG workshops
- **Advice for and support of SDG Workshops of Regional Networks** of the UNESCO Global Geoparks



Perspectives:

Learning more about the SDGs:



Some activities support also more than just one SDG – SDGs are interconnected!





SUSTAINABLE
DEVELOPMENT GOALS
GGN WORKING GROUP

Summary and outlook to Regional SDG Workshops

Prof. Dr. Nickolaos Zouros
President Global Geoparks Network



GEPARKS AND SUSTAINABLE DEVELOPMENT GOALS WORKSHOP FOR GEOPARK MANAGERS



5 February 2024, 12:00 GMT



SUSTAINABLE
DEVELOPMENT GOALS
WORKING GROUP



Workshop on Sustainable Development Goals (SDGs) | 05.02.2024

SUSTAINABLE
DEVELOPMENT GOALS

Outlook to Regional SDG Workshops

- EGN: 6th March 2024 (Kula Salihli)
- APGN: 22th March 2024
- GeoLAC
- AUGGN
- North American Network

Outlook



SUSTAINABLE
DEVELOPMENT GOALS
GGN WORKING GROUP

- **April 2024: SDG Template Tutorials (to be announced)**
- **June 2024: SDG-Follow-up Workshop - status quo of templates**
- **November 2024: SDG-Workshop on results, documentation and publication**



Getting familiar with the Agenda 2030 and its 17 SDGs



Exchange, discussion and answers to:

- What is the Agenda 2030 and why are the SDGs important for the UNESCO Global Geoparks?
- How can the UNESCO Global Geoparks contribute to the SDGs?
- What makes the UNESCO Global Geoparks ideal model territories for the SDGs?



The 17 SDGs do not stand alone:

- They are underlined by 169 targets and 232 indicators
- The targets and indicators describe more in detail how to contribute to the SDGs
- We intend to introduce the main Targets and Indicators to Geopark activities



SILVA, Elizabeth. (2021). Ph.D Thesis "The contribution of the European UNESCO Global Geoparks for the 2030 Agenda for Sustainable Development - a study based on several data sources", p. 57

Action Plan 2024/2025:

Basics & Principles, Tasks & Objectives, Milestones

Publications:

**2nd issue of “Geoparks going green”:
“Sustainable Development Goals & UNESCO
Global Geoparks: From Theory to Action”**

Compilation and publication of SDG templates

Looking forward to our further exchange !

