









2021 국제보호지역 관리자 역량강화 워크숍

2021. 9. 29 (수) - 10. 1. (금) 15:00-17:30

2021 Online Thematic Seminar on Management Challenges of Internationally Designated Areas

29 Sep. - 1 Oct. 2021 15:00-17:00 (GMT+9)











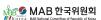














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주제 1: 국제보호지역과 주민참여 Theme 1: Involvement of Local Community <u>in Inter</u>nationally Designated Areas

기조강연 Keynote speech

나타라잔 이시와란

DDE센터(Deep-time Digital Earth: 지구 지질학 시간 디지털화 센터) 이사장 (전 유네스코 생태지구과학국장)

Dr. Ishwaran Natarajan

Executive Head, Deep-time Digital Earth (DDE) Centre (Former Director, Division of Ecological and Earth Sciences, UNESCO)

KNCU ON LINE THEMATIC SEMINAR



INVOLVEMENT OF THE LOCAL COMMUNITY IN INTERNATIONALLY DESIGNATED AREAS (IDAs)

Natarajan Ishwaran

Management Challenges of Internationally Designated Areas
(IDAs)

29 Sept – 1 Oct, 2021

Jeju Island, Republic of Korea (ROK)

INVOLVEMENT OF LOCAL COMMUNITY IN IDAS



This presentation will:

- Introduce Global Research and Training Centre for IDAs (GCIDA) as a UNESCO Category 2 Centre
- Provide an overview of 4 most important IDAs and their current status
- Present a brief overview of the evolution of local communityconservation area relations in the context of changes in international environment-development relations;
- Management challenges of IDAs: pre- and post COVID times; and
- Suggestions for a GCIDA-led International Cooperation Agenda on Research and Training on Local Community Involvement in the Management of IDAs.

INVOLVEMENT OF LOCAL COMMUNITY IN IDAS



The 4 main IDAs and their current status:

- World Heritage sites (1972): 1154 in 167 countries, of which 897 are cultural, 218
 natural and 39 mixed (both cultural and natural);
- Biosphere Reserves (1971): 714 in 129 countries;
- Ramsar sites (1971): 2424 in 170 countries; and
- Global Geoparks (1998): 169 in 44 countries

The (year) indicates the time of the launch of the Conventions (World Heritage & Ramsar) and Programs (Man and Biosphere (MAB) and Geoparks)

There are a few landscapes in the world that include overlapping areas of all 4 designations. Jeju Island is an example; at the 13th COP of Ramsar, 18 cities were accredited as wetland cities and one of them was Jeju.

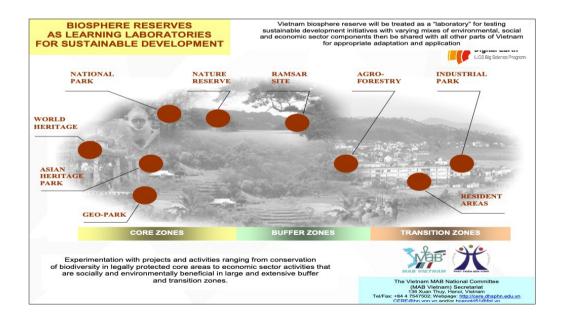
INVOLVEMENT OF LOCAL COMMUNITY IN IDAS

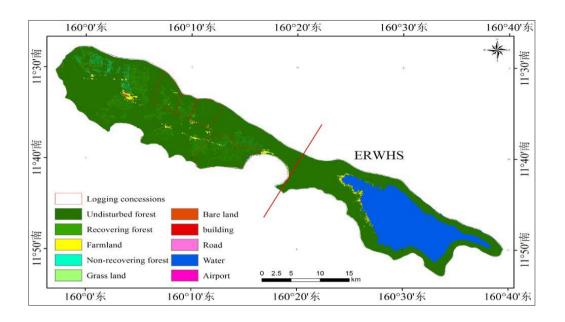


The First Earth Summit - UNCED - Rio 1992: a turning point for the IDAs

- 3 Conventions and 1 Program (Agenda) were adopted;
- The Conventions were upstream, policy oriented conventions; they were not species or place specific: Convention on Biological Diversity (CBD); UN Framework Convention on Climate Change (UNFCCC); and UN Convention to Combat Desertification (UNCCD);
- Agenda 21 for sustainable development was also adopted.
- Climate Change related science, diplomacy, and international relations have become very prominent
- UNFCCC first had Kyoto Protocol (1998; Annex 1 & 2 countries) and Paris Climate Agreement (2015; driven by NDCs)
- Sustainable Development; continuing 10 year summits (next in 2022); MDGs (2000; donorrecipient) to SDGs (2015: universal)







see: https://whc.unesco.org/arch	on World Natural Heritage (2018 data; hive/2018/whc18-42com-7-en.pdf		
Issue	%reported properties affected		
Management plan/systems	61		
Illegal activities	55		
Mining	49		
Impacts of tourism, visitors, recreation	31		
Invasive alien species	27		
Water infrastructure	24		
Grazing, farming, domestic animals	22		
Ground transport infrastructure	20		
Land conversion	20		
Governance	20		
Legal framework	16		
Identity, social cohesion and changes in local communities	16		
Major visitor accommodation and associated infrastructure	16		
War and civil unrest	14		
Fishing and collecting aquatic resources	14		

INVOLVEMENT OF LOCAL COMMUNITY IN IDAS



COVID-19 (2020 January -.....) impacted international tourism

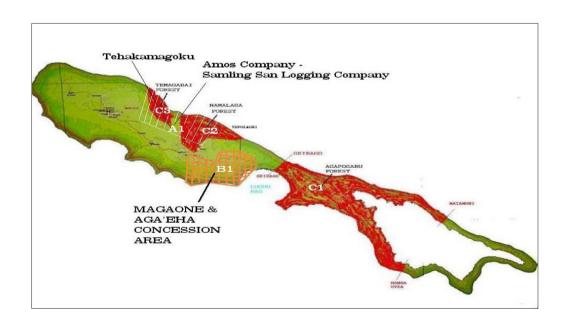
- IDAs dependent most on international tourism east and South Africa (e.g. Victoria Falls; Serengeti); South Asian countries (Nepal, Maldives, Sri Lanka) have been significantly impacted;
- To become totally dependent only on tourism as a revenue generator during post-COVID recovery – not a smart strategy
- Land use and land use change adaptation measures against climate change increasing climate change financing – an area with untapped potential;
- A GCIDA sponsored research and training agenda to collect data on pre-COVID/now/post-COVID trends, build a library of case studies and organize online, face-to-face and/or hybrid training events and consultations could be timely.

UNESCO PROGRAM AND BUDGET FOR 2019-2020 (39 C/5) (page 126)

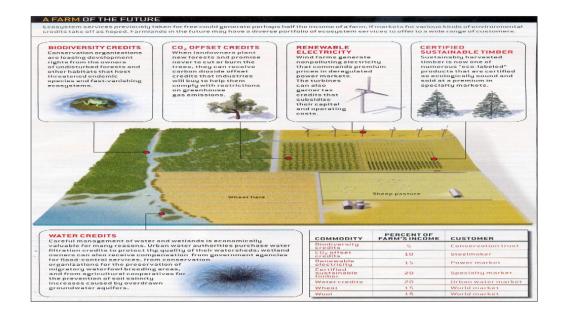


Developing UNESCO-designated sites as learning sites for inclusive and comprehensive approaches to environmental, economic and social aspects of sustainable development

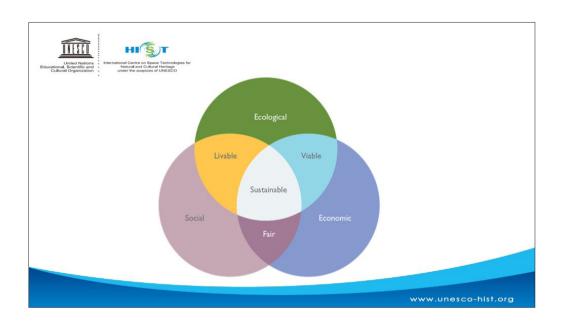


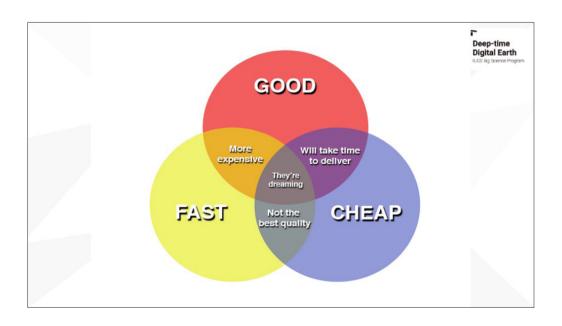


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The Trilemma Problem



- a situation in which a difficult choice has to be made between three alternatives, especially when these are equally undesirable (or desirable).
- The inescapable trilemma of the world economy: "Sometimes simple and bold ideas help us see more clearly a complex reality that requires nuanced approaches. I have an "impossibility theorem" for the global economy that is like that. It says that democracy, national sovereignty and global economic integration are mutually incompatible: we can combine any two of the three, but never have all three simultaneously and in full." Dan Rodrik, JF Kennedy School of Government, Harvard

INVOLVEMENT OF LOCAL COMMUNITY IN IDAS



FT Weekend (14/15 Aug) - Lessons From Los Angeles

- Water to LA still comes from 200 miles away (Owens Valley);
- LA is now suffering droughts and fires
- Sea-level will rise; beaches will vanish; it will affect house prices and the overall economy
- There are lots of measures roof top solar panels, recycling all water for reuse etc
- Faber-O'Connor, Lauren, LA's Sustainability Officer: "Yes, the city is a
 coastal city, and our analysis shows that sea-level rise is an issue,"
 but "what we're most heavily invested in the near term is really
 around urban cooling and water resilience."

INVOLVEMENT OF LOCAL COMMUNITY IN IDAS



A GCIDA-Led research and training agenda - what could it do?

- Literature search/survey to build a database on local communities and management relations in all 4 IDAs; a library of insightful case studies.
- Bibiliometrics, altmetrics and other approaches to identify past research trends and emerging areas of research interests
- Training managers on links between IDAs and SDGs and providing them the necessary concepts, tools, contacts and other resources to develop projects and help them raise funds for implementation; and
- Action research designed in collaboration with managers and communities in choosing the (two) most important SDG focus for the near-term that is likely to attract support.





주제 1: 국제보호지역과 주민참여 Theme 1: Involvement of Local Community in Internationally Designated Areas

사례 발표 1 Case presentation 1

일본 이토이가와 세계지질공원 브라운 테오도르

Itoigawa UNESCO Global Geopark

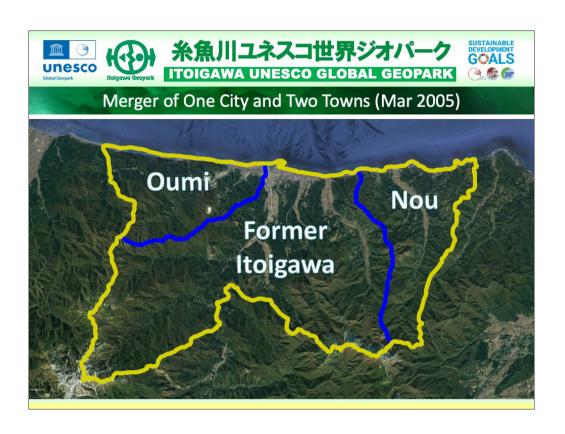
Japan, Mr. Theodore Brown







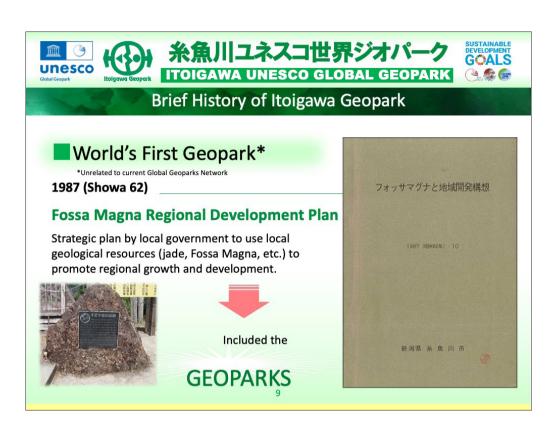






















糸魚川ユネスコ世界ジオパーク



Brief History of the Itoigawa Geopark

世界の

2004 (平成16年)

うごき

世界ジオパークネットワーク発足

2007 (Heisei 19)

Plan for Global Geopark Announced

Dec 2008 (Heisei 20)

Certified as Japanese National Geopark Itoigawa Geopark Council Founded

Dec 2009 (Heisei 21)

Certified Japan's First Global Geopark Sistership signed with Hong Kong

13









糸魚川ユネスコ世界ジオパ-

ITOIGAWA UNESCO GLOBAL GEOPARK

(



Itoigawa Geopark History

- Why Start a Geopark?
- Protect and utilize local heritage
 - ⇒ geology, nature, history, culture... Protect "local treasures" and use for development
- Human resource development ⇒ Geostudies to shape new generations
- Oevelop sense of unity and pride
 - ⇒ Unite people of Nou, Oumi and Itoigawa Nurture pride and feeling of belonging

Sustainable regional development which puts local residents first and enriches their lives for decades to come.



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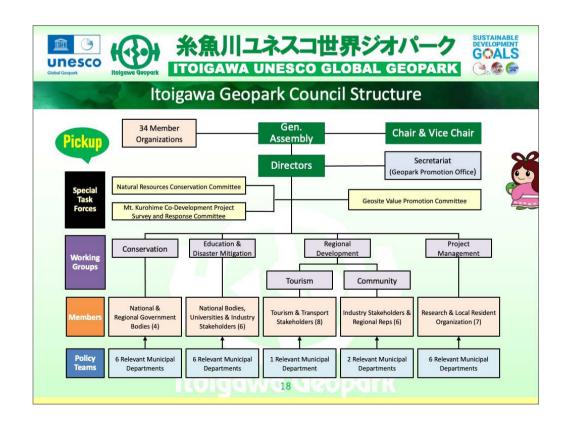
[Chair]

Mayor Toru Yoneda [Secretary-General]

Director of Commerce & Tourism Div.

Advisors	2
Category	#
Gov't Bodies	6
Universities	3
Regional Representatives	3
Industry Stakeholders	7
Transport Stakeholders	5
Tourism Stakeholders	4
Local Resident Groups	4
City Gov't and City Council	2
Total	34
17	

GOALS () & G







糸魚川ユネスコ世界ジオパーク ITOIGAWA UNESCO GLOBAL GEOPARK



Community Participation

Local people take the lead in Itoigawa Geopark!









Project Development [Itoigawa Bonsai Association]





糸魚川ユネスコ世界ジオパーク ITOIGAWA UNESCO GLOBAL GEOPARK



Community Participation

20

19

Local people take the lead in Itoigawa Geopark!





Site Management
[Takanami-no-lke Pond (Kotaki District)



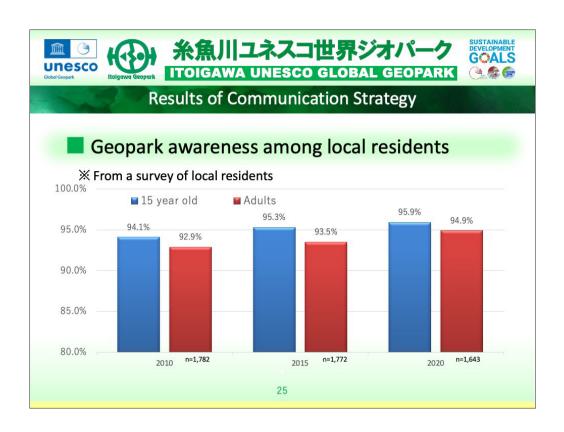
Local Tour Operation
[Nishiumi District]





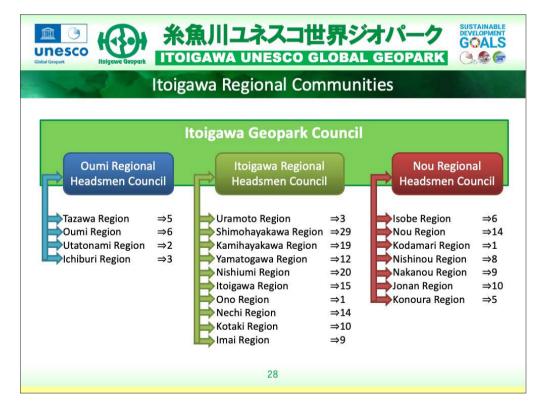






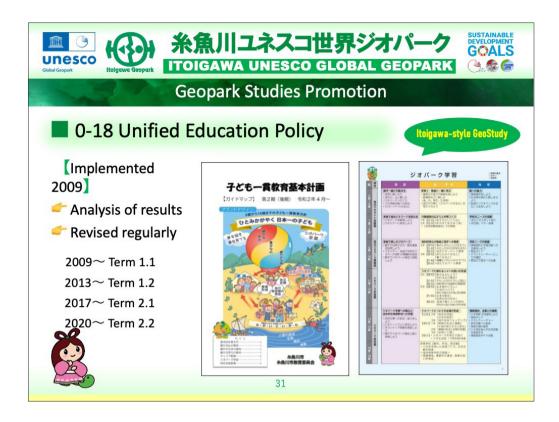


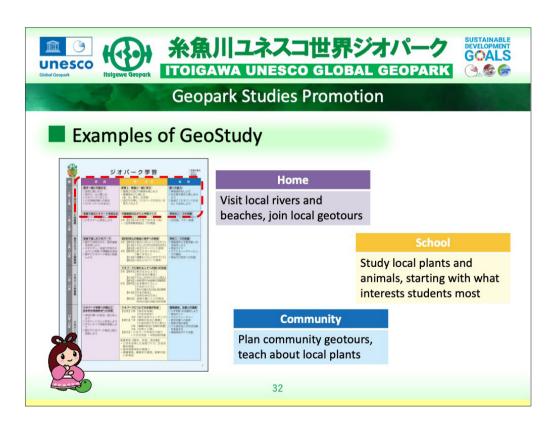


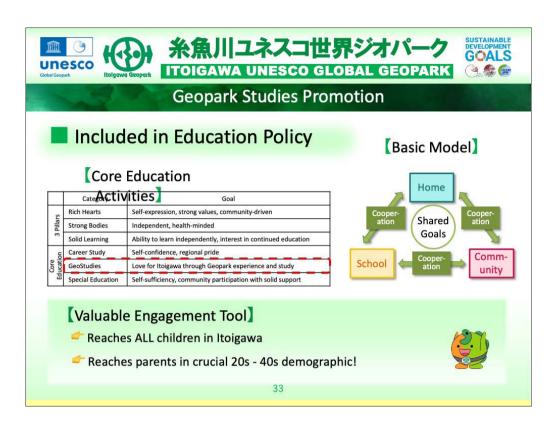






















糸魚川ユネスコ世界ジオパー



Results of Geopark Studies in Geopark Engagement

Age 16-18 More advanced GeoStudies!

SUSTAINABLE GOALS



Itoigawa High School >

2019 held a special Itoigawa × SDGs event



Itoigawa Hakurei High School >

- Started "Hakurei Disaster Forum"
- · Past two years have been held online
- 5 schools across Japan participated



糸魚川ユネスコ世界ジオパ・

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Results of Geopark Studies in Child Development



ITOIGAWA UNESCO GLOBAL GEOPARK

Interest in Local Community

Geopark Activity! XFrom a 2019 National Survey of 15 year olds

Q Do you participate in community events?

86.5

The result of over 10 years of

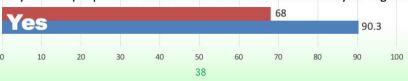
■ Nat'l Avg ■ Itoigawa 76.1



Q Do you think about ways to improve your region or community?

54.5 66.2

Q Do you want people from other countries to know more about your region?





주제 1: 국제보호지역과 주민참여 Theme 1: Involvement of Local Community in Internationally Designated Areas

사례 발표 2 Case presentation 2

홍콩 세계지질공원 찬 유 남

Hong Kong UNESCO Global Geopark

China, Ms. Yu Nam Chan







Involvement of Local Communities in Hong Kong UNESCO Global Geopark

Ms. CHAN Yu Nam Head of Hong Kong UNESCO Global Geopark (HKUGGp)



Local Communities of HKUGGp

• The glorious days of 1960s



Community	Population in 1960s	Population (now)
Kat O	>5,000	<30
Ap Chau	>1,000	<10
Lai Chi Wo	>1,000	<20
Kau Sai Village	>500	<10
So Lo Pun	>200	0
Mui Tsz Lam	>100	0
Kop Tong	>100	2

Local Communities of HKUGGp

- · Current State:
 - · Abandoned, most villagers have moved out
 - · Natural and Geological Heritages are well protected
 - · Customs, culture and intangible heritages of the communities are being forgotten



"Same Roots, Same Origins" Project - Aim

- · Preserve the history and culture of the local communities
- Become education and green tourism resources, for promotion to students and tourists
- · Promote the sustainable development of these communities



"Same Roots, Same Origins" Project – Conservation of Cultural Heritage

- · Methods:
 - · Oral history interviews (of local and overseas villagers)
 - · Record of village customs and festivals
 - · Desktop research and material collection







"Same Roots, Same Origins" Project – Sustainable Development of the Communities

- · Methods:
 - Employing local villager as local guides and managers of visitor centres
 - Training / Capacity building
 - · Visits between the communities
- · Benefits:
 - Raise the villagers' pride and sense of belonging
 - Letting the locals tell their own stories makes the stories more interesting







Offering Help to the Local Communities

- HKUGGp offers help to the local communities in many ways as far as reasonable and practicable
- Help in the form of direct assistance or liaison with other government departments or organisations (the UNESCO label helps)
- · Examples:
 - 1) after super typhoon
 - · 2) other assistances on villagers' requests









Involvement of NGOs

- · Organise various education activities and promotion
- · Assist capacity building for villagers
- · Assist the development of sustainable tourism trial tour package
- Association for Geoconservation, Hong Kong (AGHK) In collaboration launched the Recommended Geopark Guide system





Involvement of Sponsors

- Funding support, in particular for projects which require more flexibility
- · Co-management of projects, offer technical advice



주제 1: 국제보호지역과 주민참여 Theme 1: Involvement of Local Community in Internationally Designated Areas

사례 발표 3 Case presentation 3

연천임진강 생물권보전지역 한탄강 세계지질공원 권미영

Yeoncheon Imjin River Biosphere Reserve Hantangang UNESCO Global Geopark

Republic of Korea, Ms. Miyoung Kwon

Involvement of Local Community in Internationally Designated Areas



Yeoncheon Imjin River Biosphere Reserve

Hantan River UNESCO Global Geopark

Yeoncheon Geo Eco Network

अवस्य स्थाप स्

백심구역 200 완충구역 현력구역





Yeoncheon Geo Eco Network

Website http://www.yeoncheon.net/
YouTube https://youtu.be/UaDWfJLVO20
Naver Blog https://blog.naver.com/geo_rs
Instagram https://www.instagram.com/yeoncheon_geoeco





Yeoncheon Geo Eco Network

Members

- 1. Jiyeon Song: CEO of Davinci Craft Workshop, metal artist
- 2. Namgyu Park: Metal installation artist
- Yongsu Park: CEO of Yeoncheon Brewery, Member of the DMZ Commission of the National Trust of Korea
- 4. Huisong Kim: Secretary General of the Yeoncheon-gun Socioeconomic Council
- 5. Sujin Lee: CEO of Today and Tomorrow Café, Hantangang River Geo Tour Guide
- Ryang Chang: Wing Chun master, Custodian of Cultural Assets at the Cultural Heritage Administration, Member of the DMZ Commission of the National Trust of Korea
- 7. Suyeong Lee: Translator, Hantangang River Geo Tour Guide, Custodian of Cultural Assets at the Cultural Heritage Administration, Member of the DMZ Commission of the National Trust of Korea
- 8. Taeung park: Hantangang River Geo Tour Guide, Forest Tour Guide, Palace Tour Guide
- Miyoung Kwon: CEO of Hyoyeonjae, Hantangang River Geo Tour Guide, Member of the DMZ Commission of the National Trust of Korea



June 17, 2019, Preliminary Review for Accreditation of Hantangang River Geopark









Seminar on the Sustainable Development of Hantangang River Geopark

January 21, 2020





Seminar on the Sustainable Development of Hantangang River Geopark

January 21, 2020





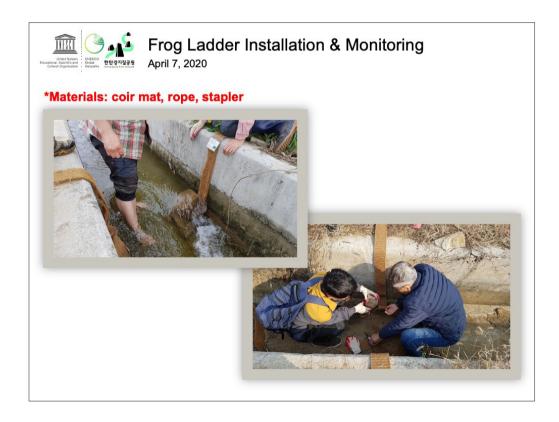




Hantangang River Geopark Tour Guide On-the-Job Training

March 28, 2020

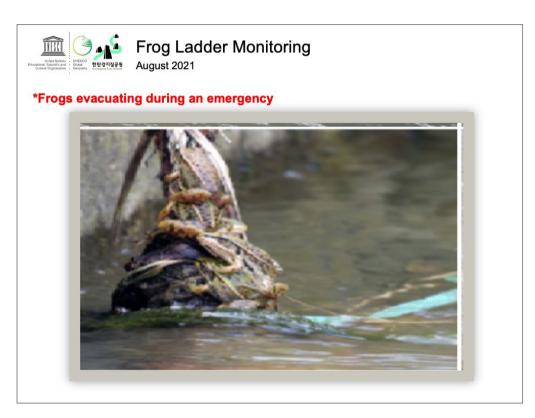


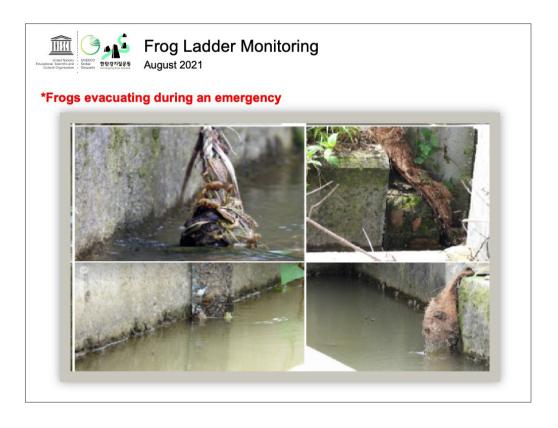




















Seoul Frog (Endangered Species Level II) Exploration

June 2020 (ongoing)











Bird Exploration By 'Bird Korea's Yeoncheon branch

June 2020



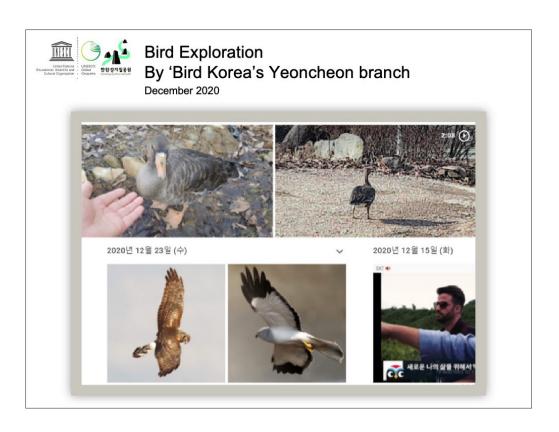




Bird Exploration By 'Bird Korea's Yeoncheon branch June 7, 2020











Finally! Designation of Hantangang UNESCO Global Geopark

July 7, 2020







Seoul Waldorf School's Tour of the Geopark July 23, 2020









Seoul Waldorf School's Tour of the Geopark July 23, 2020



















Geological Exploration of Dongmakgol Tuff











Environmental Education on Biosphere Reserves

- Making EM Soap
- Returning Farmers and Rural Residents





Geopark Tour

- Returning Farmers and Rural Residents

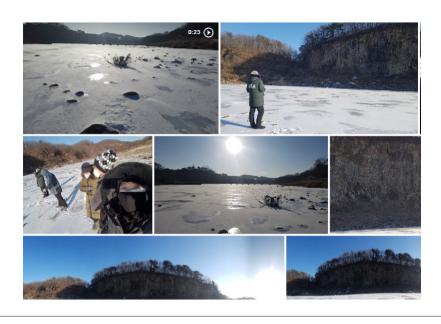








Geological Exploration of Pillow Lava





Simultaneous Monitoring of Winter Migratory Birds Along the River – 8th place

Hosted by the Korea Network for River and Watershed





Simultaneous Monitoring of Winter Migratory Birds Along the River – 8th place

(Prize - rubber boots)







Simultaneous Monitoring of Winter Migratory Birds Along the River

















Simultaneous Census of Summer Migratory Birds Along the River and Wetlands

*Birds species observed

기보	정보	(조사자 메일 :	niddler@	hanmail.ne		*Birds spec	ies observe
단체명		버드코리아 연	단체 연		010-2736-1641(인수영 HP)		
대표조사자		있슈영		폰벤호		010-2736-1641	
참여조사자		권미영, 방태성	응, 송지연				
조사일		2021년 06월 26일(토)		조사시간		07시 00분 ~	09시 15분
하천명		연천군	옥계천	하천길이		7KM	
조사구간		옥계2리 구긴	옥계2리 구간(지도 첨부)			조사구간 길이	왕복 2.1KM
하천의특성		하천 폭	1M~2M	유하폭	(수로폭)	3M~5M	
		대략수심	30cm	결빙	비율	0 %	
▶조사	내용						
번호		발견종	확인방법	개체수		비고	
1	Chir	nese sparrowhawk	육안	1	천	연기념물323-2.	멸종위기 2급
2	2 Bull-headed shrike		육안	1			
3	3 Oriental dollarbird		육안/청음	5			
4 Common kingfisher		육안	1		낮은 위기 멸종위기 등급		
5	5 Ruddy kingfisher		청음	2			
6 Crow		육안/청음	5				
7	7 Brown-eared bulbul		육안/청음	20			
8	8 Black-naped oriole		육안/청음	10		·	·
9 L		Lesser cuckoo	청음	1			



2021 Simultaneous Monitoring of Summer Migratory Birds Along the River

*Birds species observed

11	꿩	청음	2	
12	Oriental turtle dove	육안/청음	30	
13	Grey-headed woodpecker	육안	2	낮은 위기 멸종위기 등급
14	White-backed woodpecker	육안/청음	1	낮은 위기 멸종위기 등급
15	White wagtail	육안/청음	2	낮은 위기 멸종위기 등급
16	Grey heron	육안	3	기후변화지표종
17	Cormorant	육안	2	
18	Eastern great egret	육안/청 음	10	기후변화지표종
19	Black-crowned night heron	육안	1	기후변화지표종
20	Long-tailed tit	육안	2	낮은 위기 멸종위기 등급
21	Grey-capped greenfinch	육안/청음	2	낮은 위기 멸종위기 등급
22	Daurian redstart	육안/청음	3	
23	디지빠긔	처으	5	



2021 Simultaneous Monitoring of Summer Migratory Birds Along the River

*Birds species observed

27	Vinous-throated parrotbill	육안/청음	10	
28	Parus	육안/청음	10	기후변화지표종

29 Eurasian tree sparrow 육안/청음 50

옥계천은 경기도 연천읍 상리에서 발원하여 군남면 선공리에서 임진강과 합류하는 지방하천이다. 하천 중·상류지역은 축산농가, 중류부에는 농경지가 분포한다. 조사구간 절반인 옥계천은 차량 통행이 많지 않은 차도와 관행는 사이에 위치했다. 나머지 절반은 옮계천 지류인 소하천이 야트막한 산골짜기로 이어지고, 주변에 친환경 논이 조금 있다. 가끔 아주 약한 비가 내렸고 기온은 19°C였다.

* 결빙비율 : 전체 조사구역 중 결빙된 곳의 비율을 표기



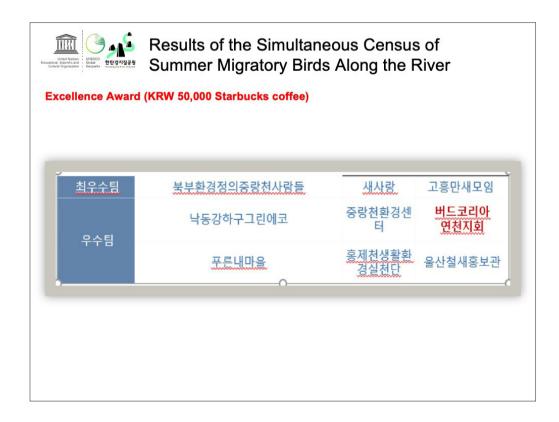
2021 Simultaneous Monitoring of Summer Migratory Birds Along the River





2021 Simultaneous Monitoring of Summer Migratory Birds Along the River





Yeoncheon Geo Eco Network's Plan for 2022

- Red-crowned crane, winter migratory bird monitoring
- Adlay planting along red-crowned crane feeding grounds
- Participate in simultaneous monitoring of summer and winter migratory birds along the river
- Plant runner reed, silvergrass, bulrush seeds preliminary survey
 of ecologically invasive alien plants along the river
- · Create biosphere tour programs



The members of the Geo Eco Network are committed to the enduring success of biosphere reserves and global geoparks.



주제 2: 국제보호지역의 커뮤니케이션 전략 Theme 2: Communication Strategy of Internationally Designated Areas

기조강연 Keynote speech

우경식

강원대학교 지질학과 명예교수 (국제자연보전연맹 세계보호지역위원회(IUCN WCPA) 지질유산전문가그룹 의장)

Prof. Kyung-Sik Woo

Emeritus Professor, Department of Geology,

Kangwon National University

(Chair, IUCN WCPA Geoheritage Specialist Group)

Interactive interpretation strategy with visitors through geotourism

Dr. Kyung Sik Woo
Dept. of Geology, Kangwon National University,
Korea
Chair, Geoheritage Specialist Group, IUCN
WCPA

u

Contents

- Geology and geoheritage
- UNESCO programs
- UNESCO global geopark and geotourism
- · Interpretation panel
- · Visitor center



Geology?



3

Common sense





Very little is known to general public!





Granite vs. Basalt?

5

For Koreans.....





주제 2: 국제보호지역의 커뮤니케이션 전략 Theme 2: Communication Strategy of Internationally Designated Areas

Geology: The history of the Earth



1

Geology and geomorphology

Physical and historical geology

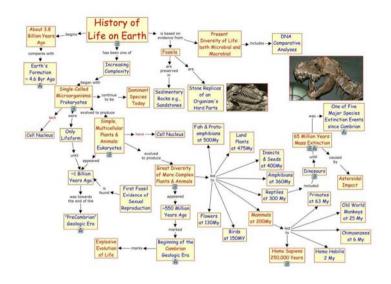


So many geological stories hidden during the past 46 billion years!

Present landforms and landscapes and ongoing processes

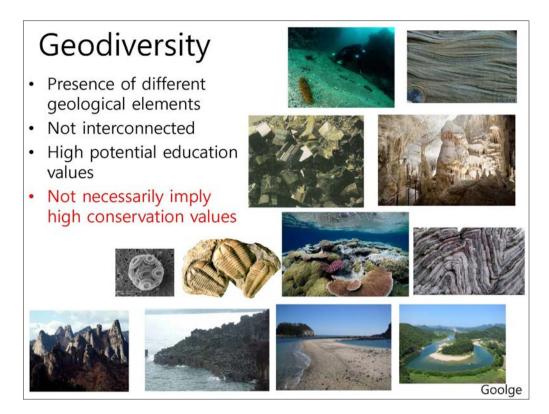


Geology; Evolution of life forms!



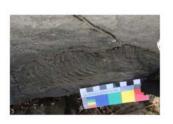
9

Geodiversity & Geoheritage



Geoheritage

Geoheritage comprises the elements of the Earth's geodiversity that are considered to have significant value for intrinsic, scientific, educational, cultural, aesthetic and ecological reasons and therefore deserving conservation for the benefit of future generations.







A large area



Gunung Mulu National Park, Borneo, Malaysia

13

Just a single boundary: K/T boundary!



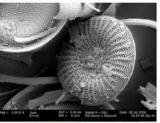
K-T boundary (Basque Coast Global Geopark (Basque Country) From Brilha







Microfossil sites?







Cretaceous chalk in Europe

Storage for climate changes in the past!







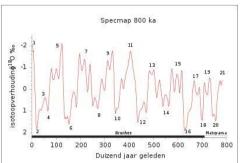






Perfect MIS (Marine Isotope Stage) site?





Google

Records of glacial vs. interglacial periods

How do we protect significant geoheritage sites?

Nature conservation programs and organizations



























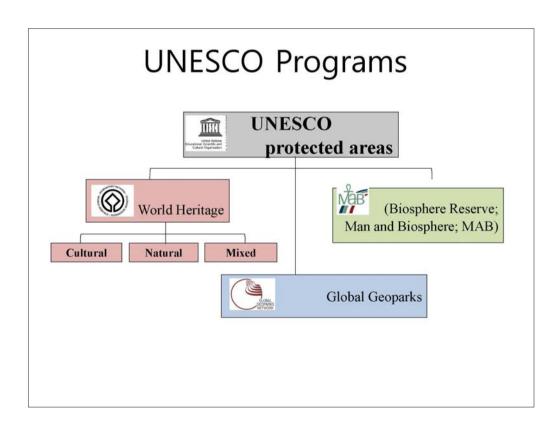




Convention on Biological Diversity



Most programs have focused mainly for biodiversity and globally threatened and endangered species.



UNESCO programs geoheritage conservation





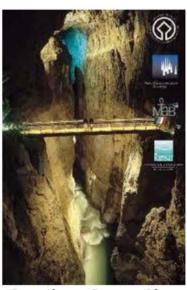




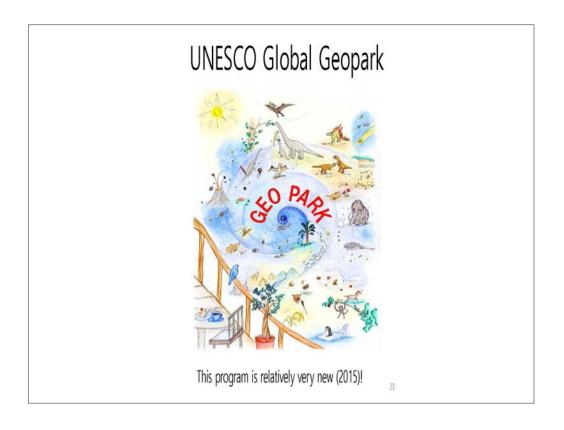
Global Geoparks

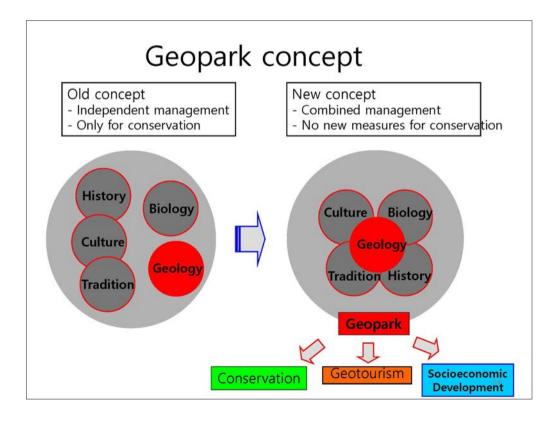
World Heritage Site Wow factor?

- Outstanding Universal Value (OUV)
- The best of the best (or the representatives of the best)
- Integrity
- Secured management plan



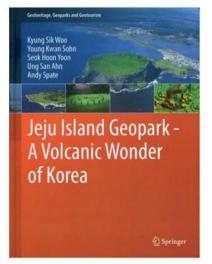
Scocjan Cave, Slovenia





Essential elements of UNESCO Global Geoparks

- Geosites of International Significance
- Protection of geosites (geoconservation)
- Regional socio-economic development
- Sustainable use of geosites in geopark throughout educational tourism (geotourism)



25

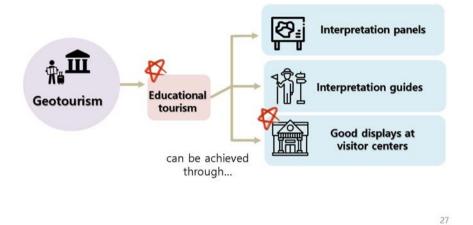
Geotourism

- Earth sciences (geology and geomorphology)
- Non-geological resources (archaeology, biology & ecology, history, culture, etc.)
- Educational tourism with 'edu-tainment (education + entertainment)'.



How can 'edu-tainment' be achieved?

Essential elements for geotourism



To promote geotourism...



Taishan, China

- Overcome mass tourism
- Make people curious!
- Make people interested!
- Make people understand!

Three types of tourism

- Guided tour
- · Group tour
- · Self-guided tour



 Different educational programs should be developed for each tour type.

29

Guided tour

- The most effective way for educational tourism
- Local residents can work as guides
- Make tourists to stay longer and overnight



Problems of guided tourism

- Sometimes educational tourism is not possible if there are too many tourists.
- Educational tourism may not be good enough if guides are not qualified.
- Constant training program for guides is necessary.





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Group tour (or Mass tour)

- The most serious problem in some Asian countries
- In Korea a group of 300-400 students make an educational trip together for education.
- To minimize the number of students is needed for geotourism.
- For group tour, A/V information will be provided for bus.
- Education of teachers may be necessary for pre-tour education
- New type of guided system may be needed and need be





Self-guided tour

<u>Advantages</u>

 Free selection of schedules and tour sites

Disadvantages

- Difficult to achieve satisfactory education
- Mostly oriented to scenic tourist sites



33

What is 'Edu-tainment'?

- Means educate and entertain simultaneously
- It is commonly used in environmental education
- Mainly to introduce scientific issues to children



For Edutainment....

What do they have to do?

finding discovering testing using the senses

measuring weighting touching working

seeing moving cutting drawing

listing inventing making talking



General rules for interpretation panels

Do not show what you (stakeholders and specialists) intend to and want to show.....

But only show what visitors want to know.



General rules for interpretation panels

- · Is the information too much in a single panel?
- Too much amount of information in the form of the text or graphical design is probably one of the most problematic issues.
- This is definitely not a good and efficient way of delivering intended messages to tourists.



General rules for interpretation panels

•The theory of KISS (Keep It Simple, Silly!)



Three seconds rule!

- Visitors will decide whether to read or not within 3 seconds.
- If they were not happy with the contents (too difficult, too complicated or too much) they would not read and go away.





Who are the aimed target people to show?

- Catagories of visitors are vastly different and it is hardly possible to provide one interpretative product for everyone (Dowling, 2011).
- It is based on geoscience education level at elementary schools

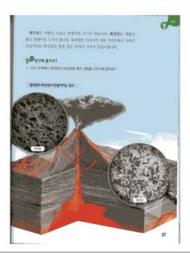


41

Who are the targets to show?

- \bullet In case for Korea the 4^{th} grade students in elementary school are the good targets.
- You should not make the contents what you know, but should be written what should be learned considering the educational level of tourists.





Different levels of signboards for Koreans



Elementary and Junior high students, and general public

주변을 둘러보자. 이곳을 제외한 주변의 벽면에는 아무 것도 없는데, 여기에만 예쁜 유석이 많이 자라고 있다. 그 이유는 무엇일까? 바로 이곳에만 벽면을 따라 물이 가끔 흘러내리기 때문이다. 동굴생성물 은 물이 있는 곳에서만 자라며, 그 중에서 유석은 물이 흐르는 곳에 서만 자란다. 윗부분을 잘 살펴보면 과거에 물이 흘러나온 곳을 여러 곳 찾을 수 있다. 밖에 비가 많이 오면 이곳에서 물이 많이 나오면서 유석이 자란 것이다.

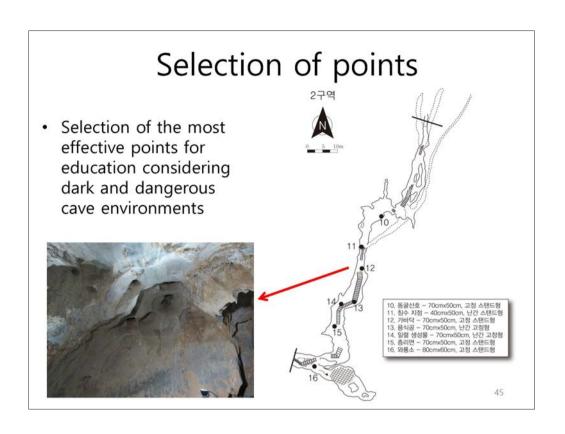
High school and college students ® 국문 with separate handouts

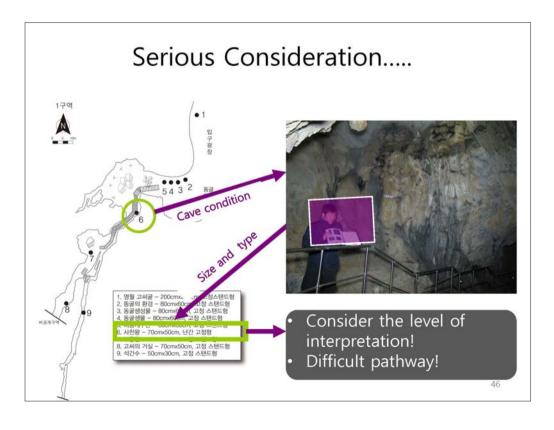
주변을 둘러보자. 이곳을 제외한 주변의 벽면에는 아무 것도 없는데, 여기에만 동굴생성물 중의 하나인 유석이 많이 자라고 있다. 그 이유 는 무엇일까? 바로 이곳에만 벽면을 따라 물이 가끔 흘러내리기 때 문이다. 동굴생성물은 물이 공급되는 곳에서만 자라며, 그 중에서 유 석은 물이 빠르게 흐르는 바닥이나 벽면에서만 자란다. 물이 흘러내 리면서 물속의 이산화탄소가 빠져나가면 흐르는 물이 탄산칼슘으로 이루어진 방해석이라는 광물에 대해 포화상태에 이르기 때문이다. 벽면의 윗부분을 잘 살펴보면 과거에 물이 흘러나온 곳을 여러 곳 찾을 수 있다. 밖에 비가 많이 오면 이곳에서 물이 많이 나오면서 유 석이 자란 것이다.

43

Serious planning: An example of the Gossi Cave







주제 2: 국제보호지역의 커뮤니케이션 전략 Theme 2: Communication Strategy of Internationally Designated Area

Traditional bad signboards in most showcaves in Korea









Different colors of speleothems



설명표지판 - 07 (70cm X 50cm)

여기서 자라는 유석은 왜 색이 여러가지 일까?

Why do we see many different speleothem colors?



百 레 떨어져 불이 내는지는 듯 百 1~2~3 순세, 뉴석이 얼그런서 성당 여기에는 왜 유석이 자라고 있을까?

여기에 유석이 자라는 것은 천장으로부터 이곳에 물이 떨어지고 있기 때문이다.

그런데 유석이 아주 여러 가지 색을 보인다. 자세히 보면한 가지 색을 띠는 유석이 다른 색의 유석에 의해 덮여 있다. 이는 이 유석들이 서로 다른 때에 자랐다는 것을 알려준다. 즉, 먼저 자란 유석을 새로운 유석이 다시 덮으면서만들어진 것이다.

이렇게 동굴생성물은 계속 자라기도 하지만 자라다가 멈춘 후에 다시 자라기도 한다.



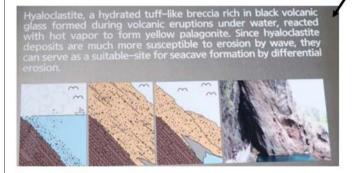


40

Contents for interpretation panels

Contents: Are the contents too difficult?

 Information may be provided in a language which is too specialized to attract the attention of a casual visitor. Also extensive discussion of features not seen from the spot should be avoided (Migoń, 2018).



RESERVED BY ANY PLANT OF BROWN BY ANY STREET BY ANY AND ANY STREET BY ANY AN

51

Contents: Are there enough photos or illustrations in the panel?

 Visitors must easily relate the content of the panel to the features the panel displays. Thus, simplified drawings for interpretation contents of the objects can be very useful.
 Other additional photos for references can be also helpful.



Contents: Are there enough photos or illustrations in the panel?

 Visitors must easily relate the content of the panel to the features the panel displays. Thus, simplified drawings for interpretation contents of the objects can be very useful.
 Other additional photos for references can be also helpful.

Growth laminae in stalagmites





Contents: Are the contents educational?

 In most tour sites in Asia information is restricted to naming things based on their shapes only, rather than interpreting them.





Contents: Can visitors recognize and pinpoint the site to be shown?



- In many sites the location of the target objects explained in the panel is not always clear.
- If necessary, it is better to include the photos of the objects with arrows for tourists to recognize the target objects more easily.
 Sometimes it is necessary to put any marks on the surface of the target objects as well.

55

Contents: Can visitors recognize and pinpoint the site to be shown?

설명표지판 - 10 (70cm X 50cm)



- In many sites the location of the target objects explained in the panel is not always clear.
- If necessary, it is better to include the photos of the objects with arrows for tourists to recognize the target objects more easily.
 Sometimes it is necessary to put any marks on the surface of the target objects as well.

Contents: Can visitors recognize and pinpoint the site to be shown?





57

Contents: How many languages are shown?





 Monitoring of international visitors needs to be carried out before decision of the number of languages to be written.

Location of interpretation panels



(Sobrarbe Global Geopark, Spain)

the same time.

From Jose Brilha



erection of the panels. Always show the target and the interpretation panel at

Location and management





Always show the target and the interpretation panel at the same time.

61

Location and management

If you would like to explain any specific object, it is better not only to include the photo with the object in the panel but also to indicate the objective target in situ if possible and necessary.





Jumok – A wrong sign!





63

Location and management

In most places inclined panels can be more user-friendly and the contents can be read more easily while looking the sites to be explained. However, it is better to use upright panels at the entrance of the area for introduction.



Location and management

In most places inclined panels can be more user-friendly and the contents can be read more easily while looking the sites to be explained. However, it is better to use upright panels at the entrance of the area for introduction.





Burgess Shale, WH Site, Canada

UNESCO Cheongsong Global Geopark, Korea

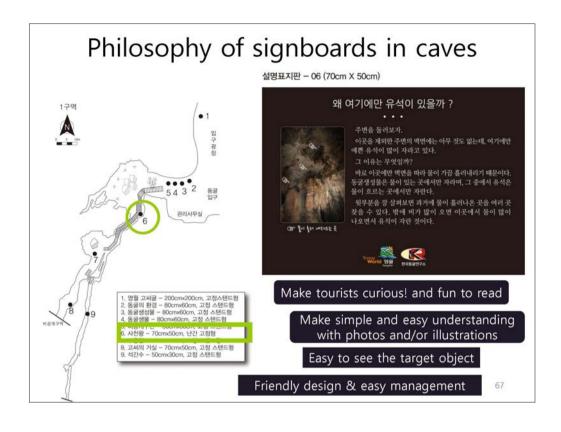
65

Location and management

- For maintenance it is better to print the contents on a film material and paste onto permanent infrastructure.
- The best material would be stainless steel for prevent rust but it may be too costly.







More for signboards? - needs Wifi in caves...





More for signboards? - QR codes



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Augmented reality!



Virtual Reality



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Summary

- Educational tourism cannot be achieved by engineering-like system.
- It can be only achieved by thorough planning and consideration as well as proper attitudes of scientists and government people.



Thank you!



UNESCO Cheongsong Global Geopark

주제 2: 국제보호지역의 커뮤니케이션 전략 Theme 2: Communication Strategy of Internationally Designated Areas

사례 발표 1 Case presentation 1

스위스 엔틀레부흐 생물권보전지역 슈미트 호퍼 아네트

Entlebuch Biosphere Reserve





Background information

region Entlebuch I UNESCO Biosphere Entlebuch

 Communication strategies: Examples

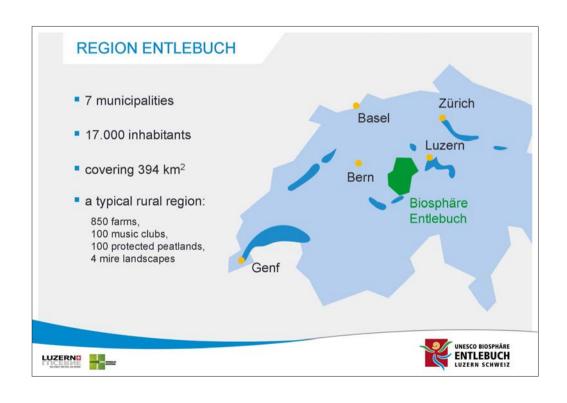
> regional products I sustainable tourism I cultural events

Conclusions

similarities | impacts











1. REGIONAL PRODUCTS

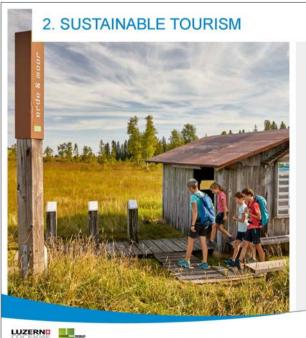


- Products: 538 "Echt-Entlebuch" Products
- Labelling: "Echt Entlebuch" "Truly Entlebuch"
- Promotion / Distribution: Biosphäre Markt AG









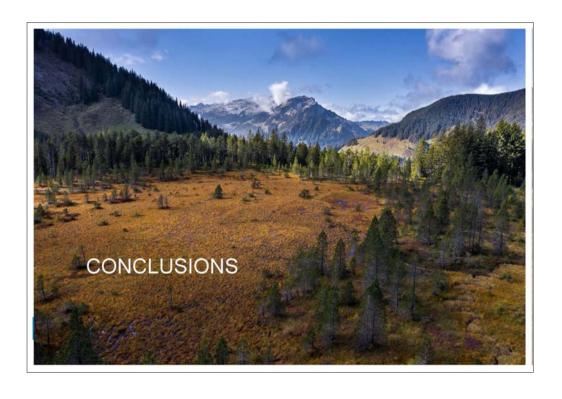
- Discovery hubs with sustainable tourisms offers
- Marketingpool: Joint tourism marketing team





















CLOSING WORDS



"The UNESCO Biosphere Reserve is the guarantee, that our lovely valley exists also in the future - in 50 years, in 500 years and in 500,000 years."





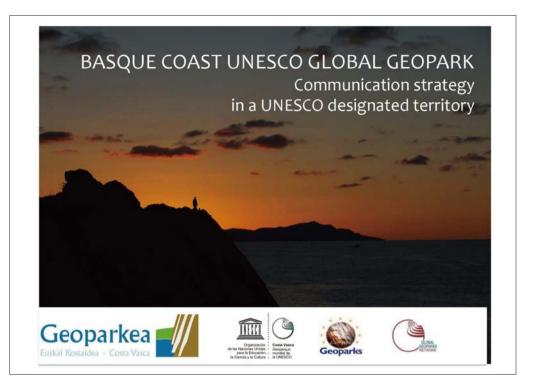
주제 2: 국제보호지역의 커뮤니케이션 전략 Theme 2: Communication Strategy of Internationally Designated Areas

사례 발표 2 Case presentation 2

스페인 바스크해안 세계지질공원 힐라리오 에이셔

Basque Coast UNESCO Global Geopark

Spain, Dr. Asier Hilaric





- 1) we are tourist destination
- 2) we are an **Innovative** destination
- 3) We are an innovative and **sustainable** destination



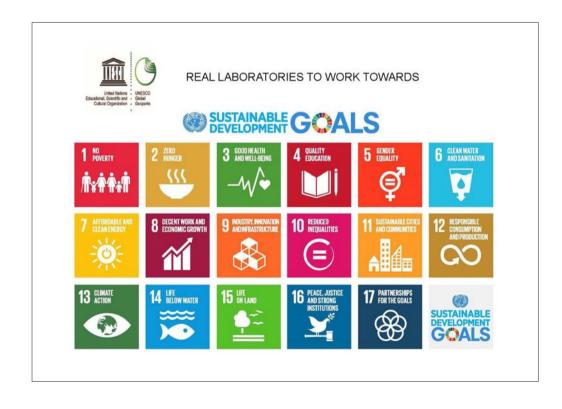


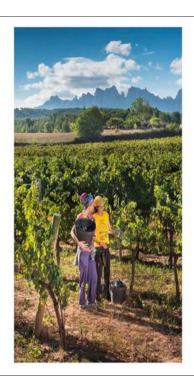












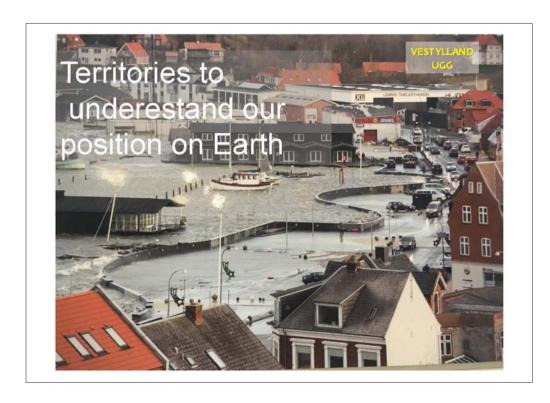
Territories that make us underestand and connect With our planet Earth

GEOTOURISM

WHAT MAKE US DIFFERENT



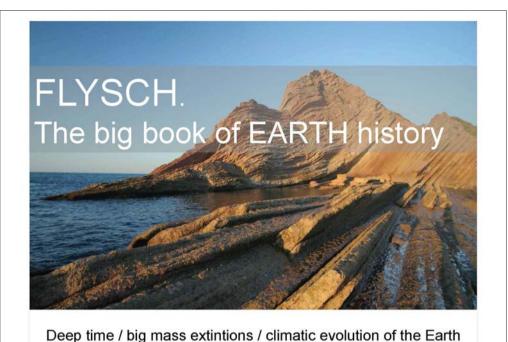


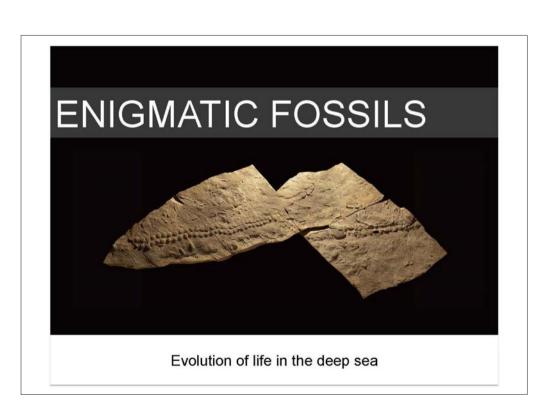


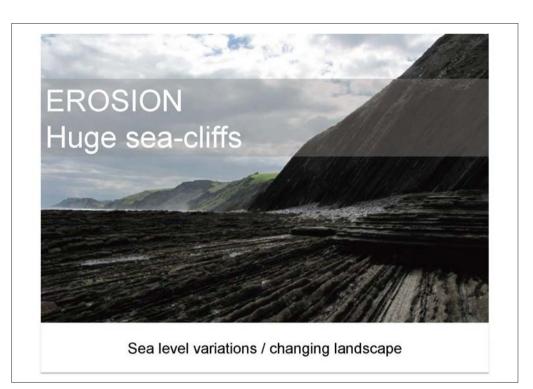


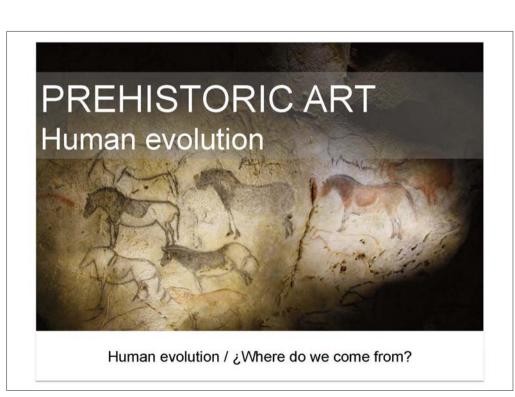
1.GEO-Resources

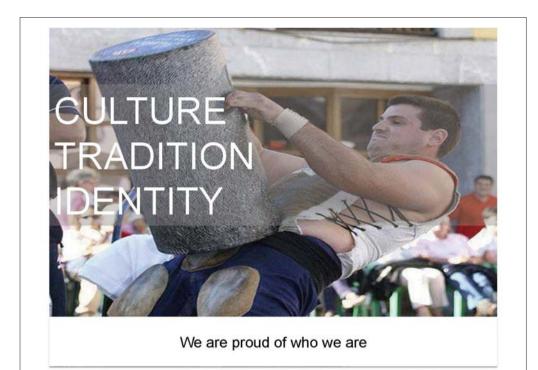
You need to know what makes you different











2. COMMUNICATION

The key of our identity

Pay atention to your visitors. How are they?

Captive public

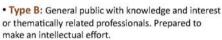
• Schools, universities, teachers..... They are obliged to do this.

• The list of subject is already fixed. Formal education.



· Non captive public . Adults using their free time.

• Type A: General public with no specific interest about earth sciences. Not prepared to make any intelectual effort.



• Type C: Scientist



Specific materials!!

Infrastructures

- 1. Museums and info points
- 2. The route of the viewpoints by car
- 3. Geo-trails on foot



Educatión





Guided tours program





14 different tours
1.300 guided tours / year
For individuals and small
groups
A fixed calendar
Online booking

GEO-SCHOOLS. 15.000 school-childen









3. Promotion and marketing

¿How can I sell my tourist destination?

Mass media

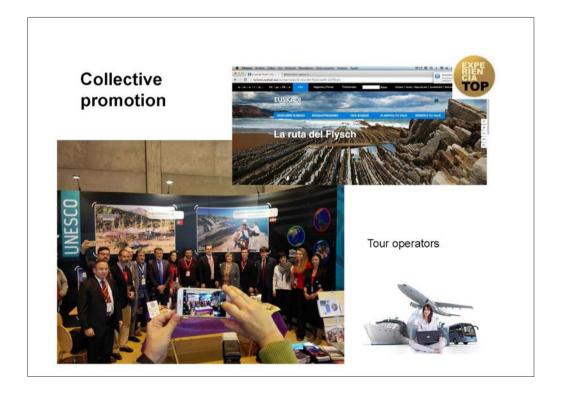










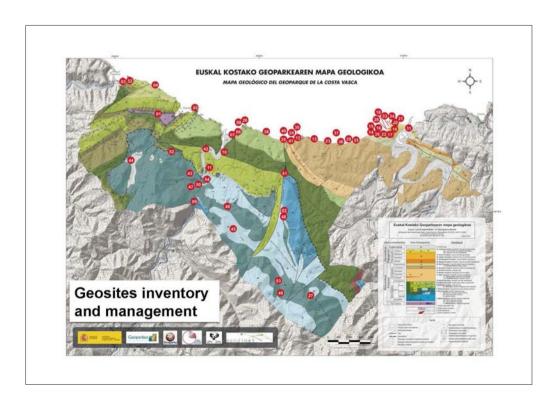


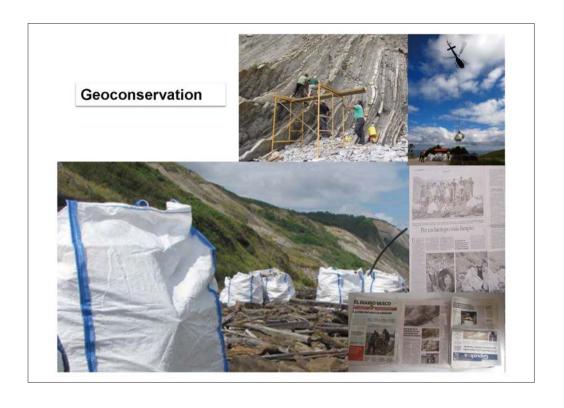
The work behind

All the things that the visitor can not see













주제 2: 국제보호지역의 커뮤니케이션 전략 Theme 2: Communication Strategy of Internationally Designated Areas

사례 발표 3 Case presentation 3

청송 세계지질공원 주성옥

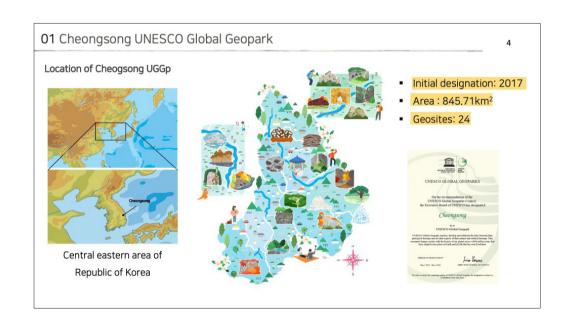
Cheongsong UNESCO Global Geopark

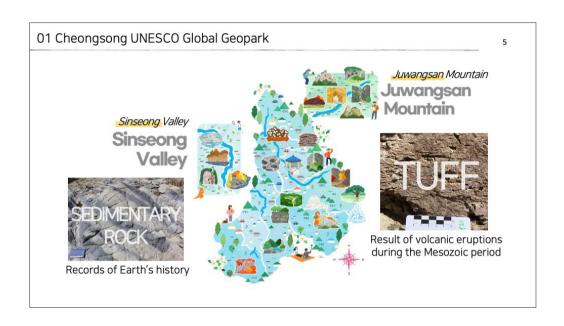
Republic of Korea, Ms. Seongok Ju













02 Operative Goals

Address local challenges

7

1. To mitigate rural extinction through sustainable usage of tourism resources

Cheongsong-gun, **6th highest** in the local extinction risk index among 228 municipalities



- ☑ Rural out-migration

- Improve the local economy with education and tourism programs backed by the UNESCO brand
- Provide education programs for local residents
 - → instill a sense of pride in Cheongsong-gun to prevent out-migration

02 Operative Goals

Address universal challenges faced by humanity

Q

2. To take the initiative for climate action

Cheongsong is directly and indirectly affected by global warming brought about by human activities



▶ local products in the context of climate change



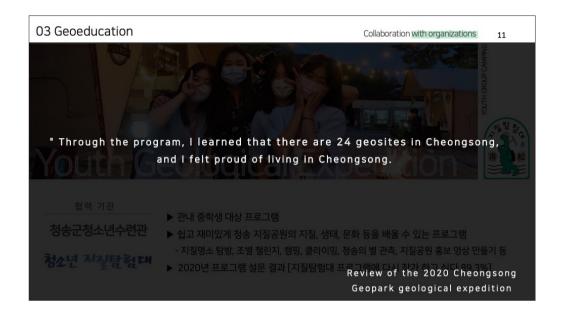
 \blacktriangleright Fossil sites exposed by superstorms caused by global warming

Provide visitors with information and education about climate change >

raising awareness of climate change



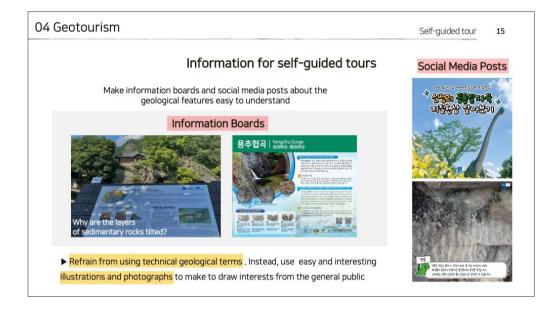


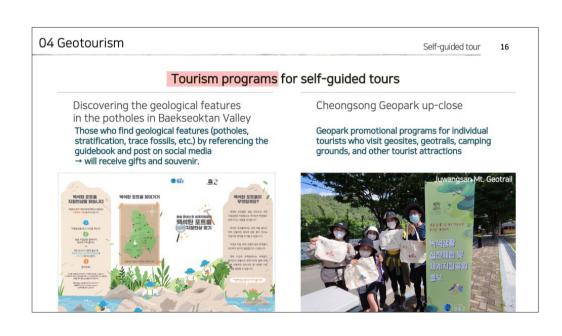
















ONLINE PROGRAMS



Face-to-face programs restricted due to COVID-19 and social distancing measures

(55% decline in education program participants)

Provide non-face-to-face geoeducation programs, and expand social media marketing

05 Online Programs Visit Cheongsong UNESCO Global Geopark online

20

Korean National Commission for UNESCO Raise awareness about the geopark among students and the general public by distributing lectures on the geopark through YouTube and other platforms in order to encourage people to participation in preserving geoheritage sites

2020: Korean National Commission for UNESCO

2021: collaboration between Korean National Commission for UNESCO and Cheongsong-gun

Geotourism in South Korea with UNESCO

Visit Cheongsong UNESCO Global Geopark online





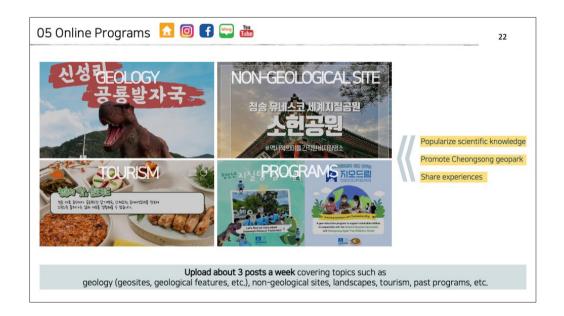


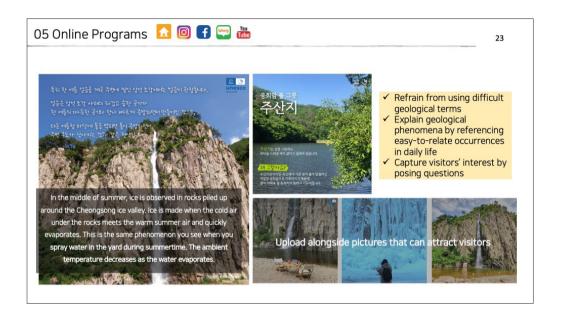


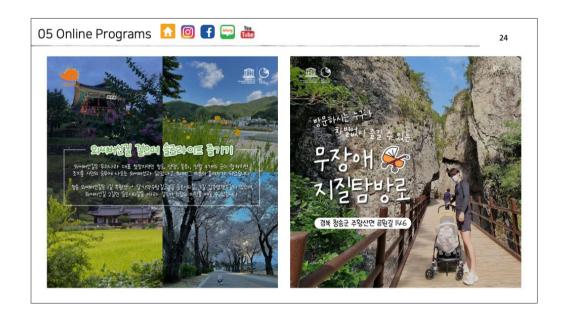
lacktriangle UNESCO science project

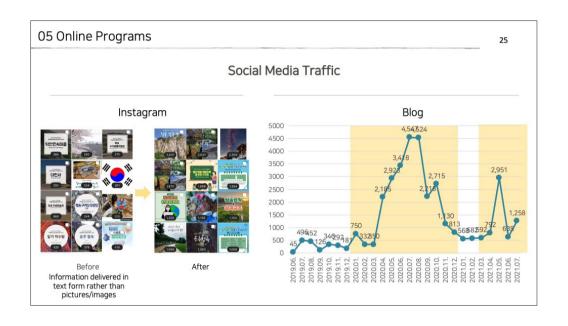
Create easy-to-understand video lectures on geology, nature, and culture of Cheongsong geopark

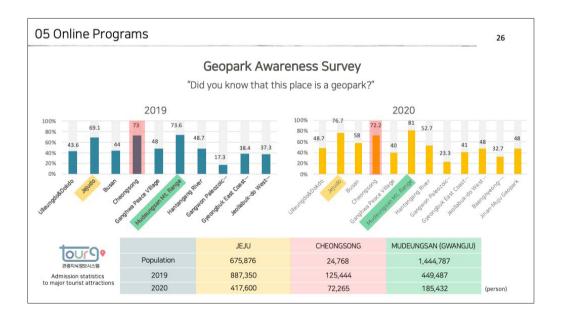


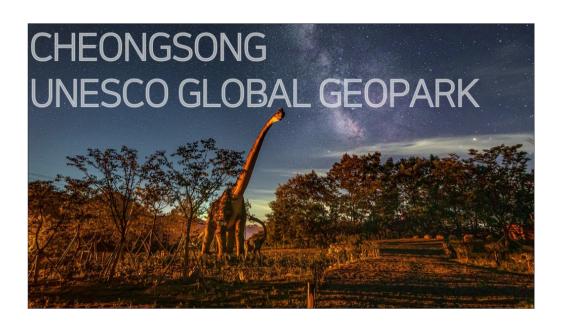


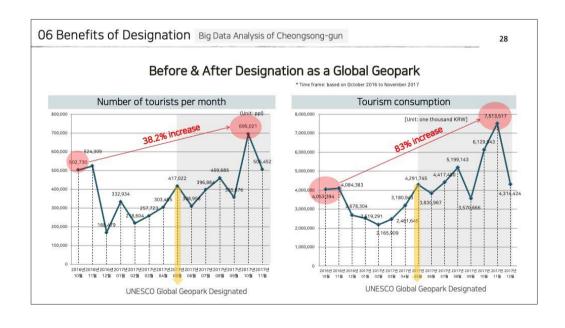
















주제 3: 국제보호지역의 생태관광 Theme 3: Ecotourism in Internationally Designated Areas

기조강연 Keynote speech

세리아로 켈리

미국 샴플레인-애디론댁 생물권보전지역 공동 의장 (폴스미스 대학 호텔경영학 부교수)

Prof. Kelly Cerialo

Co-chair, UNESCO Champlain-Adirondack Biosphere Reserve (Associate Professor, Paul Smith's College)

Ecotourism in Internationally Designated Areas

2021 Thematic Seminar on Management Challenges of Internationally Designated Areas

Dr. Kelly L. Cerialo
Associate Professor, Paul Smith's College
UNESCO Champlain-Adirondack Biosphere Reserve















A Working Definition for Ecotourism:

- "Responsible travel to natural areas that conserves the environment, sustains the well-being of the local people, and involves interpretation and education."
- The International Ecotourism Society, 2015



Key Principles of Ecotourism in Internationally Designated Areas

- 1. Contributes to conservation of biodiversity.
- 2. Sustains the well-being of local people.
- Includes an interpretation / learning experience.
- Involves responsible action on the part of tourists and the tourism industry.
- Tourism experiences are delivered primarily to small groups by small-scale businesses.
- Requires the lowest possible consumption of nonrenewable resources.
- Emphasizes local participation, ownership and business opportunities, particularly for rural people.
- United Nations Environmental Program and The International Ecotourism Society (2002)

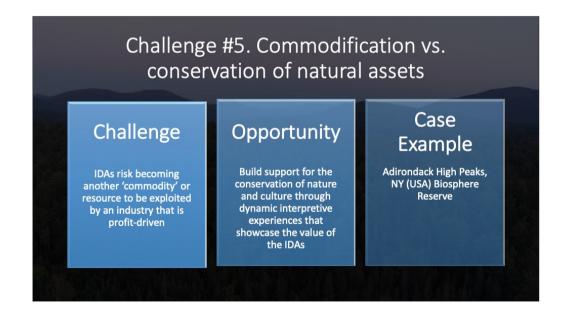


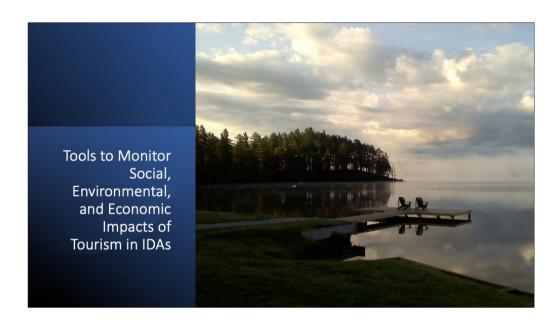


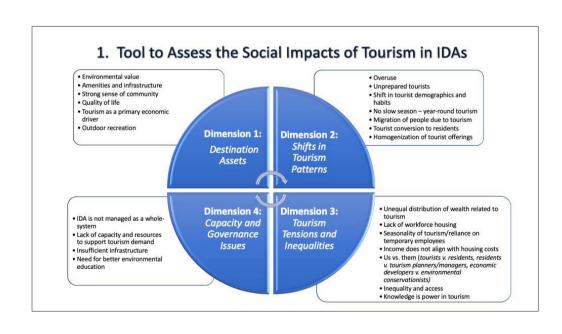
Challenge #2. Social and Cultural Impacts Case Opportunity Challenge Example Conserve and promote !Khwa ttu San Cultural Mitigating the negative cultural attractions and Center, Cape West social and cultural showcase local culture **Coast Biosphere** impacts of tourism through stories, food, Reserve, South Africa / Cape Floral Kingdom, art, music, dance, etc. **World Heritage Site**



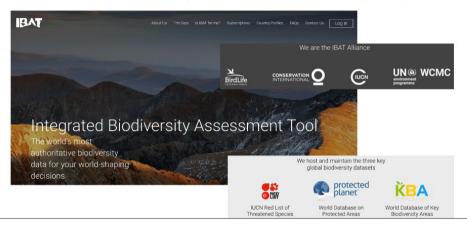
Challenge #4. Wildlife protection Case Challenge Opportunity Example Provide incentives Okavango Delta, **Impoverished** through direct social Botswana, Ramsar communities can and financial benefits, Site deplete wildlife for for communities near protection of protected areas to themselves, property, safeguard wildlife or for profit





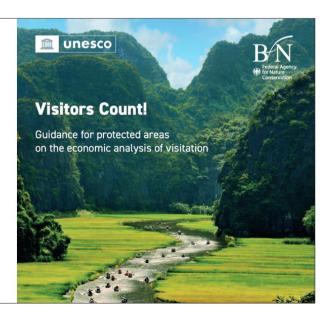


2. Tool for Environmental Monitoring: Integrated Biodiversity Assessment Tool (IBAT)



3. Tool for Economic Analysis of Visitation

- Visitor Counting Methods
- Economic Analysis
- Reporting and Communication
- Policy Implications







Lessons from Covid-19 for Tourism Managers

- 1. Collaborative and integrated monitoring is essential, especially during turbulent times when communication and rapid decisions are critical.
- 2. The most resilient IDAs implemented robust management frameworks and monitoring with government and private sector partnerships.
- 3. Tourism in IDAs should promote human and ecological health in the destination communities, across the tourism ecosystem, and in the visitor experience.
- 4. Digitalization Virtual reality, holograms, virtual tours, and online games can be used to support environmental education, conservation, and advanced monitoring.



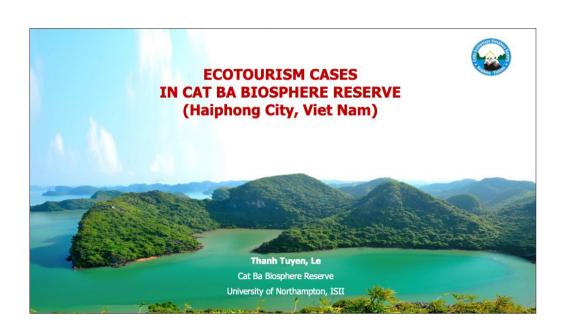


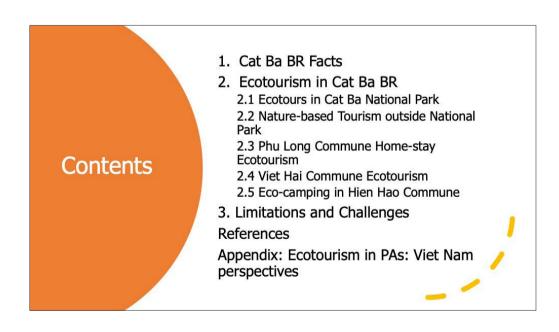
주제 3: 국제보호지역의 생태관광 Theme 3: Ecotourism in Internationally Designated Areas

사례 발표 1 Case presentation **1**

베트남 깟바 생물권보전지역 레 탄 투옌

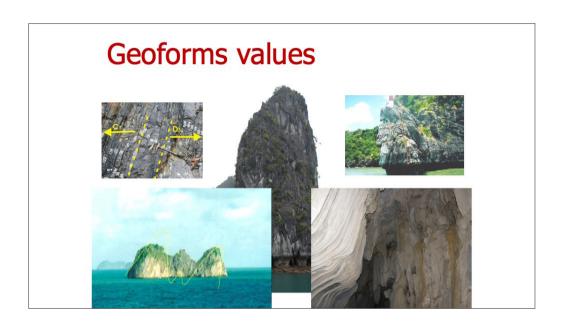
Cat Ba Biosphere Reserve Vietnam, Mr. Tuven Thanh Le

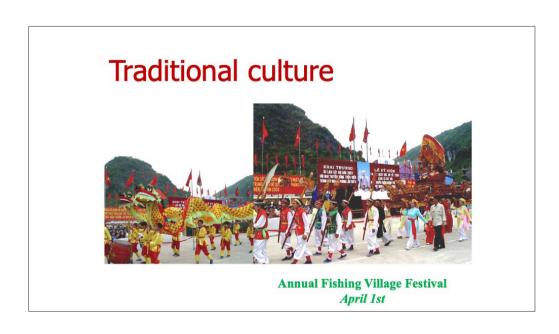










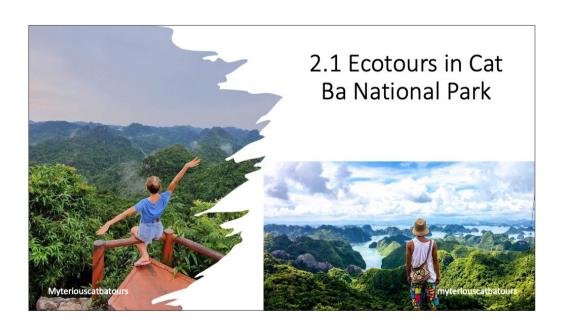


Cai Beo Relics (6.000-4.200 yrs ago)



Cat Ba National Park – Core of Cat Ba Biosphere Reserve

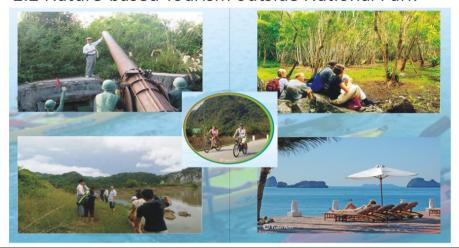








2.2 Nature-based Tourism outside National Park



2.3 Phu Long Commune Home-stay Ecotourism



2012-2013, supported by MCD/SIDA/USAID





2.4 Viet Hai Commune Ecotourism

- *Research models by IMER (2020)
- ♦ Hibiscus flowers by social enterprises



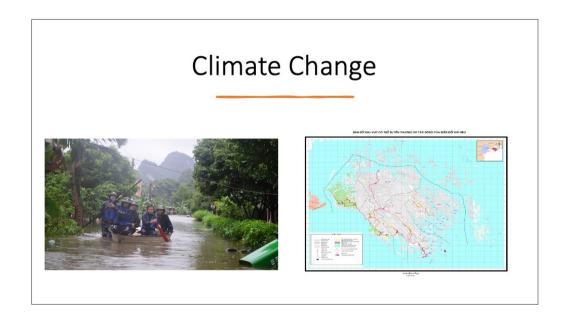












Thank you for your attention!



23

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- Decree No. 48/2007/ND-CP dated March 28, 2007 of the Government on principles and method of determining the price of forests
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- Nguyêt, B. T. M. (2019). Research and evaluate the current situation of models as a basis for proposing policies on forest environment leasing in Vietnam. Research Outcomes of the University of Forestry 2015-2019.
- Nguyêt, B. T. M., Hân, D. T., & Bảo, T. Q. (2019). Enhancing The Efficiency of Forest Environment Lease In National Parks In North Vietnam. Forestry Science and Technology Journal, 3, 183–190
- Van, N. T. (2020). Policy on Management and Development of Tourism in Vietnam's National Parks and Nature Reserves. Institure for Tourism Development Research. https://doi.org/10.1016/8978-0-323-60984-5.00062-7
- Images from Facebook: source links are at cited the footnotes of the slides

Appendix: Ecotourism in PAs: Viet Nam perspectives

- Legal definition: "Ecotourism is a type of tourism based on nature, associated with local cultural identity, with the participation of the local community, combined with education on environmental protection" (The Forestry Law 2017, clause 16, Article 3).
- Governmental support policy for ecotourism: "d)
 Invest in developing new tourism products with
 positive impacts on the environment, attracting the
 participation of the residential community; invest in
 the development of sea and island tourism
 products, eco-tourism, community-based tourism,
 cultural tourism and other specific tourism
 products. (The Forestry Law 2017, item d, Article 5).
- Support Needs: PAs have not focused on ecotourism development resources (financial, human resources, technology, etc.), poor infrastructure and lack of facilities and basic infrastructure to organize ecotourism activities, unprofessional service quality (Vân, 2020)

Appendix: Ecotourism in PAs: Viet Nam perspectives By March 2020, 395 special-use and protection forests, managing 6.75 million hectares of forest (MARD 2020). 164 national parks and nature reserves with a total area of 2.2 million hectares, of which 6 national parks are under the management responsibility of the Ministry of Agriculture and Rural Development, and the rest are decentralized to the provinces (Nguyệt et al., 2019, p.184).

By the end of 2017, Vietnam has 61/164 national parks and protected areas that have organized ecotourism business (Nguyệt et al., 2019; Ha et al., 2019). Those include 25/34 National Parks and 36/133 Nature Reserves, organizing ecotourism activities in 3 forms: (i) Self-organizing (56 sites); (ii) Joint venture and association (11 sites) and (iii) Environmental leasing (13 sites) (Nguyệt et al., 2019, p.184).

Appendix: Ecotourism in PAs: Viet Nam perspectives The rental price for forest environment lease: to be approved by the Province according to the Decision No. 24/QD-TTg of the Prime Minister and the Joint Circular No. 65/2008/TTLT BNN-BTC. The rental price can be in absolute value about 500,000 VND (~USD 25) /ha/year or from 1-2% of ticket sales/ business revenue, which can be paid once a year or once for the whole rental period... (Nguyệt, 2019, p.260)

The General Directorate of Forestry to "evaluate and propose solutions for activities of organizing ecotourism in special-use and protection forests nationwide, and report to the Ministry of Agriculture and Rural Development in the fourth quarter of 2020" (MARD 2020).

주제 3: 국제보호지역의 생태관광 Theme 3: Ecotourism in Internationally Designated Areas

사례 발표 2 Case presentation 2

탄자니아 응고롱고로 렌가이 세계지질공원 므완쿤다 조슈아

Ngorongoro Lengai UNESCO Global Geopark

Tanzania, Mr. Joshua Mwankunda

MANAGEMENT CHALLENGES OF INTERNATIONALLY DESIGNATED AREAS (IDAS)

2021 Online Thematic Seminar

Ecotourism in Ngorongoro Lengai UNESCO Global Geopark (UGGp) - Tanzania

Joshua Mwankunda

www.linkedin.com/in/joshua-mwankunda-095a15175





Traveling to relatively undisturbed or uncontaminated natural areas with the specific objectives of studying, admiring, and enjoying the scenery and its wild plants and animals, as well as any existing cultural manifestations (both past and present) found in these areas

International Ecotourism





Geology – Eg. Mt. Oldoinyo Lengai – Hike or observe This is the only active volcanic Mt. in the world to erupt carbonatite lava. The Mt. is the sacred place for Maasai people. They call it "Mt. of God"





Nature (Geology, Intangible heritage and Wild Animals): Ngorongoro Caldera:

- Biggest known intact Caldera formed past 1,500 yrs, great scenery
 - Home to over 25,000 species of Wildlife
 - Pilgrimage site for Datoga Community



Attractions/activities/Experiences



es/Experiences



Walking safari:
Perform walking safari which
takes one on foot through
forests, craters, mountains and
plains over routes that takes
several days, may involve bush
camping and guided by local
Maasai, Rangers and Maasai
donkeys are used to carry loads.

Camping: Live in a hotel or private or public operated campsite for wild experience Olduvai onsite
Museum:
Geology,
Paleoanthropology,
Culture (ancient and
Contemporary)

Wildlife Experience: Highest density of wildlife and close views, including the Big 5 of Africa







ECOTOURISM IN NGORONGORO LENGAI UNESCO GLOBAL GEOPARK

Sustainable development





10% of annual gross tourism revenue aids communities by funding education, health, food subsidies, and infrastructure supporting livestock rearing.







ECOTOURISM IN NGORONGORO LENGAI UNESCO GLOBAL GEOPARK

Challenges and Lessons Learnt

Cultural interference

- > Gradual loss of cultural values
- > Increased Commodification of Cultural Practice

Heritage/Humans Conflicts.

> Due to increased populations of Humans, wildlife and Live stocks

Climate Change

- > Reduced vegetation cover
- > Reduced pastures for live stocks and wild animals
- > Extreme weather conditions with a heightened risk of geohazards

Economical

Decline of Pastoral economy and Increased poverty to local communities

Ecotourism revenues alone do not meet all of a community's economic demands

Adminsitering NCA as a Multiple Land Use Model is Failing



ECOTOURISM IN NGORONGORO LENGAI UNESCO GLOBAL GEOPARK challenges and way forward

- ✓ Review and reform of multiple land use model
- ✓ Encourage local communities to live outside the conservation area
- ✓Increase conservation education



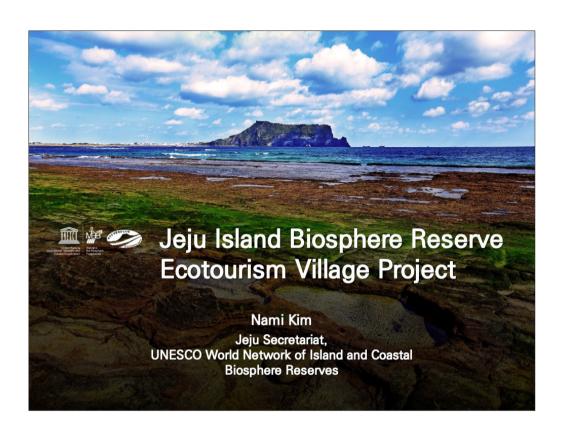


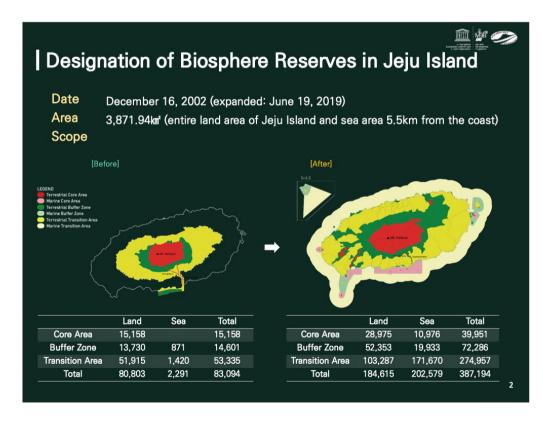
주제 3: 국제보호지역의 생태관광 Theme 3: Ecotourism in Internationally Designated Areas

사례 발표 3 Case presentation 3

제주도 생물권보전지역 김나미

Jeju Island Biosphere Reserve Republic of Korea, Ms. Nami Kim





Exercise Section 1

| Project Goals

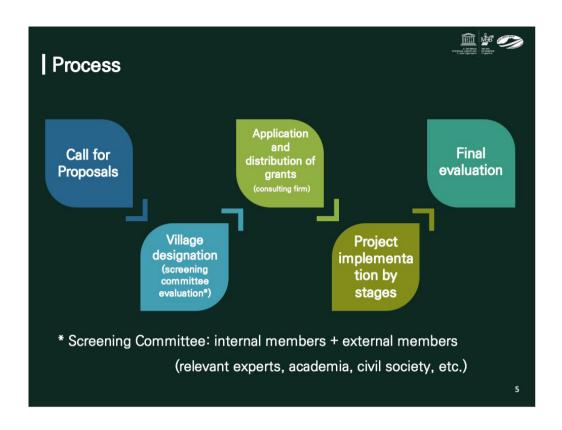
- Promote leading villages in the biosphere reserve and ecotourism attractions by designating villages that can embody the ideology and values of biosphere reserves
- Create a resident-led ecotourism model spearheaded by local residents
- Promote voluntary resource preservation activities and revive local economies through ecotourism

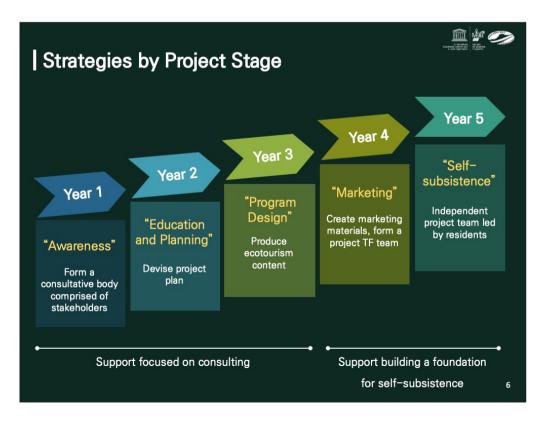
Facilitate economic growth in tandem with improving the happiness and quality of life of local residents and restoring a sense of community in order to achieve sustainable development in villages

| Project Overview



- Duration: 2014 ~ ongoing
- Target: Natural villages at the eup, myeon, ri, and dong level in Jeju Island
 - ※ Application expanded to all Jeju Island villages following the expansion of the biosphere reserve
- Details: Build resident-led ecotourism villages by leveraging the branding power of biosphere reserves
- Budget: KRW 2.5 million
 X Total amount of support provided to each village over a 5-year period





INTERPRETATION OF THE PROPERTY OF THE PROPERTY

Details - Stage 1 (Awareness)

- Form a regional consultative body (Local residents, environmental groups, government, ecotourism experts, etc.)
- Discover ecotourism resources in the region
- Educate residents and tour guides
- Develop ecotourism programs/storytelling narratives
- Residential meetings and feedback review

7

| Details - Stage 2 (Education and Planning)



- Develop ecotourism contents and marketing channel (develop brand, build website, etc.)
- Pilot test ecotourism programs
- Educate residents and tour guides
- · Research and monitor ecotourism resources in the region
- Residential meetings and feedback review



| Details - Stage 3 (Program Design)

- Build ecotourism infrastructure (interpretation panels, ecotrail repairs, safety infrastructure, etc.)
- Pilot test programs with ecotourism experts
- Develop community-led tourism content (ex: ecotourism festival, ecoparty etc.)
- Provide specialized training to residents (acquire ecotourism design licenses, etc.)
- Visit exemplary sites

9

Details - Stages 4 & 5 (Marketing/Self-subsistence)

- Establish a for-profit organization to build a foundation for self-subsistent operations
 - (social enterprises, co-ops, etc.)
- Develop and commercialize experiential programs using local products
- Attract visitors and provide tours to promote ecotourism

| Provincial Support

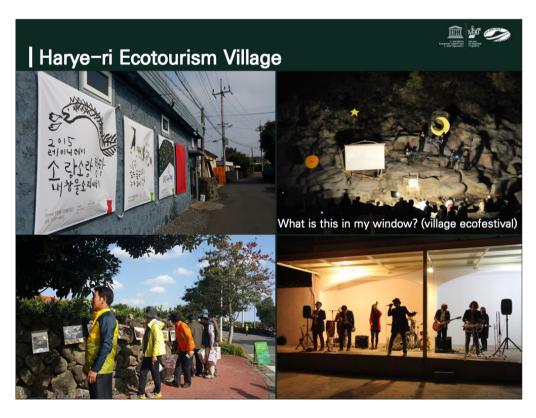


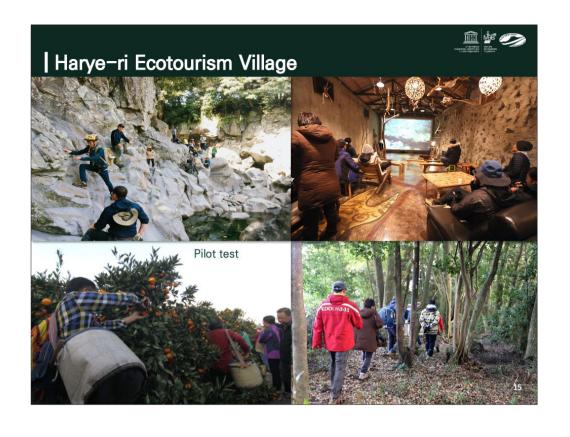
- Total budget: KRW 2.5 million / 5 years * Total amount of support provided to each village over a 5-year period
- Type of support: direct and indirect support depending on the project stage
 - Years 1-3: Consulting support by specialized consulting firms
 - Years 4-5: Direct support to local consultative bodies
- Legal basis: Article 25 (Expenditure Support) of the (Ordinance on Jeju Special Self-Governing Province UNESCO World Heritage Management)

11

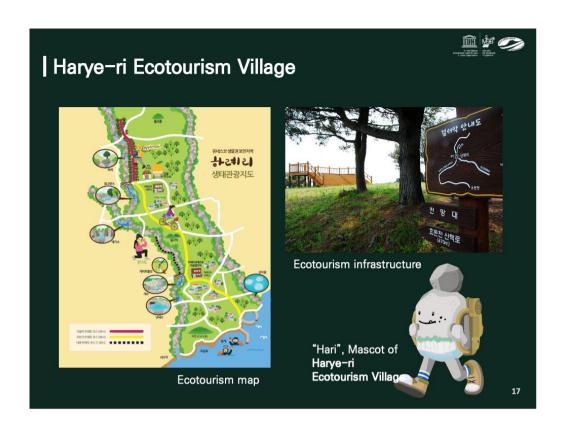
Jeju Island BR Ecotourism Village Examples (2014–2018) • Target: Villages in Jeoji-ri, Harye-1-ri and 2-ri • Consulting firm: Jeju Ecotourism Association • Total budget: KRW 5 million Jeoji-ri village (Jeoji Gotjawal, Jeoji Oreum, etc.) Harye-1-ri and 2-ri villages (Hyodoncheon, Gosalli Forest Trail, etc.)



















Pilot Test Results

- Higher awareness about the environment among residents, voluntary engagement in resource preservation activities
- Stronger capabilities of residents in guiding ecotours and planning ecotourism items (picture of resident tour guide)
- An ecotourism hub established by building Harye-ri Ecotourism Support Center
- Local economy revitalized by introducing experiential programs using local products
- More jobs for the younger generation in areas such as ecotourism reservation management
 - ※ Harye-ri and Jeoji-ri villages designated as "Ecotourism Site" by Ministry of Environment for

Jeju Island BR Ecotourism Village Support Project (2019-present)

- Target: Pyeongdae-ri, Gujwa-eup; Hogeun-dong, Seogwipo-si
- Consulting firm: Jeju Ecotourism Association
- Total budget: KRW 5 million



Updates on the Hogeun-dong and Pyeongdae-ri **Ecotourism Village Project**

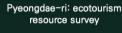
- Form an ecotourism consultative body and hold regular meetings
- Research and monitor ecotourism resources in the region
- Educate residents and tour guides
- Develop ecotourism content (tour guide, ecotourism map, storytelling, etc.)
- Create a mascot that represents each ecotourism village



meeting









Hogeun-dong: resident education/meeting



Hogeun-dong: ecotourism resource survey

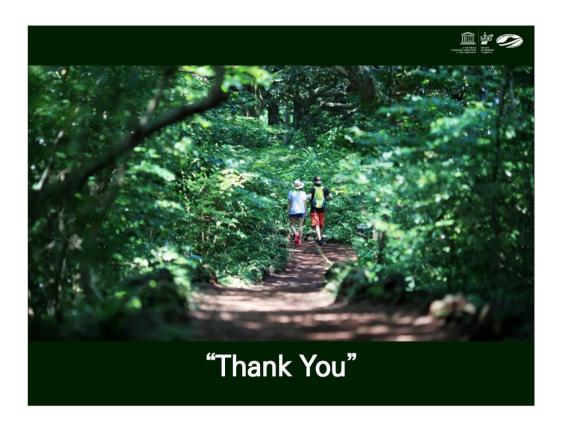




| Future Plans



- Conduct research for an analysis of the socioeconomic impacts in Ha rye-ri/Jeoji-ri villages
 - * Result findings will feed into future project management plans
- Thoroughly reviewing feedback after project completion to further strengthening integrity of the project
- Support efforts to build and facilitate a network among ecotourism villages



Published in November 2021

by the Jeju Special Self-Governing Province, the Korean National Commission for UNESCO, and the MAB National Committee of the Republic of Korea 2021년 11월 제주특별자치도, 유네스코한국위원회, MAB한국위원회 공동 발간

26 Myeongdong-gil (UNESCO Road) Jung-gu Seoul 04536 Republic of Korea 서울 중구 명동길 (유네스코길) 26

e-mail: scshs.team@unesco.or.kr

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