RGmP-Representativeness of (paleo)Geomorphological Process	0.00
	0.33
	0.67
	1.00
RG-Representativeness of Geological process	0.00
	0.33
	0.67
	1.00
EE-Educational Exemplarity	0.00
	0.33
	0.67
	1.00
G-Site Intrinsic Geodiversity	0.00
	0.50
	1.00
GI-Geohistorical Importance	0.00
	0.33
	0.67
	1.00
ESR-Ecologic support role	0.00
	0.33
	0.67
	1.00
In-Integrity	0.00
	0.50
	1.00
Ra-Rareness	0.00
	0.50
	1.00
Cu-Cultural value s.s.	0.00
	0.50
	1.00
Ae-Aesthetic value	0.00
	0.50
	1.00
Sec-Socio-Economic value	0.00
	0.33
	0.67
	1.00
TA-Temporal Accessibility	0.50
	1.00
	0.20
	0.40

VALUES OF THE SE	Sac-Spatial Accessibility	0.60
		0.80
		1.00
	Vi-Visibility	0.00
		0.20
		0.40
		0.60
		0.80
		1.00
	Se-Services	0.00
		0.33
		0.67
		1.00
	TF-Touristic Flow	0.00
		0.50
		1.00
	SA-Sport Activities at the geosite(e.g., climbing, trekking….)	0.00
		0.50
		1.00
	LC-Legal Constraints	0.00
		0.33
		0.67
		1.00
	UGI-Use as Geoheritage site	0.00
		0.50
		1.00
	UAI-Use of the other interests(cultural, ecologic…)	0.00
		0.50
		1.00
	SGs-Geo(morpho)sites in the Surroundings	0.00
		0.50
		1.00

REFERENC

CRITERIA OF SELECTION

Scientific Value
Poor/None representativeness of a morphogenetic system
Discrete representativeness of a morphogenetic system
Good representativeness of a morphogenetic system
Exemplar representativeness of a morphogenetic system
Poor/None representativeness of a geological process
Discrete representativeness of a geological process
Good representativeness of a geological process
Exemplar representativeness of a geological process
Representativeness without any educational value
Representativeness with poor educational value
Representativeness for high education level
Representativeness with excellent educational value
1 lithology, 1 main landform
1 lithology, n-landforms
n- lithologies, n-landforms
Without any publication
Rarely object of scientific research
Relevant topic for scientific research
Deeply investigated since fundamental for the development of Earth Sciences
Without any connection with the biologic element
Ecological value for presence of interesting flora and fauna
The geo(morpho)logical features condition the ecosystems
The geo(morpho)logical features determine the ecosystems
Essential geo(morphological) elements are not preserved
Essential geo(morpho)logical elements are just preserved
Essential geo(morpho)logical elements are intact
Frequent also at level of the study area
Rare at level of the study area, abundant at national level
Rare at national level

Additional Values
Any cultural feature in the surroundings
Presence of cultural features not correlated with geo(morpho)logical features
Presence of cultural features correlated with geo(morpho)logical features
Not relevant
Strong contrasts in landforms, lithologies and colours but spatially limited site
Strong contrasts in landforms, lithologies and colours
Element without exploitation or insertion in an economic area (Not touristic)
Element with exploitation or insertion in an economic area (Not touristic)
Element inserted in an economic-touristic area
Element inserted in an economic-touristic circuit

Potential for use
Except in unfavourable conditions (e.g., winter, rainy days…)
All over the year
On foot, Expert Excursionist
On foot, Touristic/Excursionist

On foot for numerous group, because difficult access for bus
Allowed to means of transportation
Allowed to means of transportation, access also to disables
Not observable or great difficulties in observing it
Just visible or with special tools (artificial lights, ropes..)
Reasonable visibility but limited by vegetation
Good visibility but with need of moving to improve it
Good visibility for all geo(morpho)logical elements
Excellent visibility for all geo(morpho)logical elements
Hotels and services far from 25 Km
Hotels and services far from 10 - 25 Km
Hotels and services far from 5 - 10 Km
Hotels and services less than 5 Km far from
Few
Medium
Abundant
None
Yes, not correlated with geo(morpho)logical features
Yes, correlated with geo(morpho)logical features
Total protection, prevented use
Protection, limited use
Under protection but with few or any prevention for use
No protection or limitation in use
No divulgation or use
Use in academic ambit
With divulgation and use as geo(morpho)site
Any divulgation or use
Use of other interests, but not structured in thematic paths
Use of other interests structured in thematic paths
Any sites in the study area
Sites in the neighbourhood but not genetically correlated
Sites in the neighbourhood and genetically correlated
TOTAL SCORE

ES ABOUT ASSESSMENT OF THE STUDY SITE

GC-1	GC-2	GC-3
Premia Balmafregia	Zornasco	Ornavasso (Im Schlasti)
5.67	6.51	5.68
		0.67
1	1	
1	1	1
	0.67	0.67
1		
1	1	1
0.67	0.67	0.67
0		
	0.67	0.67
		0.5
1	1	
0		
	0.5	0.5
2	2	2
0	0	
		1
		0
1	1	
1	1	1
8.3	8.67	7.2
0.5		0.5
	1	
		0.4

0.8	1	
		0.8
1	1	
1	1	1
	0.5	0.5
1		
1	1	1
	0.67	
1		1
		0
1	1	
0		
	0.5	
		1
1	1	1
15.97	**17.18**	**14.88**
Modified from Bollati et al. (2016)	Modified from Bollati et al. (2024)	Modified from Bollati et al. (2016)

GC-4	GC-5	GC-6	GC-7	GC-8
Mottarone climbing area	Fun d'Scotte	Ronco	Torre delle Giavine	Ara
5.84	**3**	**2.33**	**5.5**	**6**
		0.33		
	0.67			
1			1	1
	0.67	0.67		
1			1	1
	0.33	0.33		
			0.67	
1				1
		0		
0.5	0.5		0.5	0.5
		0		
	0.33		0.33	0.33
0.67				
	0	0	0	
0.67				0.67
	0.5	0.5		
1			1	1
0	0			
		0.5		0.5
			1	
2	**1.67**	**1.67**	**2.67**	**2.67**
0		0		
	0.5			
			1	1
	0.5			
1		1	1	1
	0.67	0.67	0.67	0.67
1				
5.9	**7**	**6**	**7.9**	**8.5**
0.5	0.5	0.5	0.5	0.5
0.4	0.4	0.4	0.4	0.4

	Modified from Bollati et al. (2016)	Viani et al. (2018)	Original data	Perotti et al. (2020)	Perotti et al. (2020)
		0.6	0.6		0.6
	1			1	
	1	1	1	1	1
			0.5	0.5	
	1	1			1
	1	1	1	1	1
	1	1	1	1	1
	0	0	0		
				1	1
	0		0		
		0.5		0.5	
					1
	0				
		1	1	1	1
	13.74	**11.67**	**10**	**16.07**	**17.17**

GC-9 Pietra Romanasca	GC-10 Montestrutto	GC-11 Sasso del Drago	GC-12 Voulismeno Aloni
3.84	6.17	4.5	5.67
0.67		0.67	
	1		1
			0.33
0.67		0.67	
	1		
		0.33	
	0.67		
1			1
0			0
	0.5		
		1	
0			
		0.33	
			0.67
	1		
0	0	0	
			0.67
1	1	1	1
0.5		0.5	
	1		1
2.17	3	1.17	2.67
		0	
0.5			
	1		1
		0.5	
1	1		1
0.67		0.67	0.67
	1		
5.5	9.1	6.6	8.27
0.5			
	1	1	1
0.4			

			0.8
	1	1	
0.6	0.6	0.6	
			0.8
1	1	1	1
0.5		0.5	0.5
	1		
1	1	1	1
			0.67
1	1	1	
0		0	
	0.5		
			1
0			
			0.5
	1		
0.5		0.5	
	1		1
11.51	**18.27**	**12.27**	**16.61**
Original data	Modified from Bollati et al. (2014)	Original data	Original data

GC-13	GC-14	GC-15	GC-16
Patsos gorge	La Pedriza de Manzanares	Peñalara	Kramnica Rock
3.83	**6.34**	**6.51**	**4.01**
0.67		0.67	0.67
	1		
0.33			0.33
		0.67	
	1		
0.33			
			0.67
	1	1	
			0
0.5	0.5		
		1	
0			
	0.67	0.67	0.67
	0.67		0.67
1		1	
			0.5
1	1	1	
0			
	0.5	0.5	0.5
2.5	**2**	**2.17**	**2.17**
0.5	0.5		0.5
		1	
	0.5	0.5	
1			1
		0.67	0.67
1	1		
7.93	**8.23**	**7.56**	**7.2**
1	1	1	1
	0.4	0.4	0.4

Original data	de Pedraza et al. (2014)	de Pedraza et al. (2019)	Original data
0.8			
0.8			0.8
	1	1	
0.33		0.33	
			0.67
	1		
			0.5
1	1	1	
1	1	1	1
	0.33	0.33	0.33
1			
			0.5
1	1	1	
1	1	1	1
0			
	0.5	0.5	
			1
14.26	**16.57**	**16.24**	**13.38**
Original data	de Pedraza et al. (2014)	de Pedraza et al. (2019)	Original data

GC-17	GC-18	GC-19	GC-20
Dreveník travertine hill	Mnich	Między Ściany rock formation	Sab Bani Khamis
6.84	5.34	4.17	6.84
		0.67	
1	1		1
		0.33	
	0.67		
1			1
0.67	0.67	0.67	
			1
	0.5	0.5	
1			1
		0.33	
0.67			0.67
	1		
	0		
		0.67	0.67
1			
	0.5	0.5	
1			1
0.5		0.5	0.5
	1		
2.17	2.67	1.67	3
0.5		0.5	
	1		1
		0.5	
1	1		1
0.67	0.67	0.67	
			1
7.9	4.86	6.53	7.4
	0.5		
1		1	1
	0.2		
0.4			0.4

		0.6	
		0.6	
1	1		1
	0.33		
0.67			
		1	1
	0		
0.5		0.5	0.5
1	1	1	1
0.33	0.33	0.33	
			1
	0.5	0.5	
1			
	0.5	0.5	0.5
1			
	0.5	0.5	
1			1
16.91	**12.87**	**12.37**	**17.24**
Original data	Original data	Original data	Modified from Al Kindi et al. (2022)

GC-21 Tail Baila	GC-22 The Organ Pipes	N° GC sites	% GC sites	
6.17	6.01			
		0	0.00	
		1	4.55	
		8	36.36	
1	1	13	59.09	
		0	0.00	
		4	18.18	
		6	27.27	
1	1	12	54.55	
		0	0.00	
		4	18.18	
0.67	0.67	10	45.45	
		8	36.36	
		4	18.18	
0.5	0.5	11	50.00	
		7	31.82	
		3	13.64	
0.33		6	27.27	
	0.67	11	50.00	
		2	9.09	
		8	36.36	
		0	0.00	
0.67	0.67	11	50.00	
		3	13.64	
		0	0.00	
		6	27.27	
1	1	16	72.73	
		4	18.18	
	0.5	13	59.09	
1		5	22.73	
1.17	3			
		5	22.73	
0.5		8	36.36	
	1	9	40.91	
0		2	9.09	
		5	22.73	
	1	15	68.18	
		0	0.00	
		0	0.00	
0.67		13	59.09	
	1	9	40.91	
7.57	6.6			
0.5	0.5	11	50.00	
		11	50.00	
		1	4.55	
0.4		13	59.09	

	0.6	2	9.09	
		3	13.64	
		3	13.64	
		0		
		0	0.00	
		0	0.00	
		7	31.82	
		4	18.18	
1	1	11	50.00	
		0	0.00	
	0.33	4	18.18	
0.67		3	13.64	
		15	68.18	
		1	4.55	
0.5	0.5	13	59.09	
		8	36.36	
		0	0.00	
		0	0.00	
1	1	22	100.00	
		0	0.00	
		6	27.27	
	0.67	3	13.64	
1		13	59.09	
		6	27.27	
	0.5	5	22.73	
1		11	50.00	
		4	18.18	
0.5	0.5	9	40.91	
		9	40.91	
		2	9.09	
		6	27.27	
1	1	14	63.64	
14.91	15.61			
Original data	Modified from Williams and McHenry (2021)			

SITE	GC-1	GC-2	GC-3	GC-4	GC-5	GC-6	GC-7	GC-8
Scientific Value	5.67	6.51	5.68	5.84	3	2.33	5.5	6
Additional Values	2	2	2	2	1.67	1.67	2.67	2.67
Potential for use	8.3	8.67	7.2	5.9	7	6	7.9	8.5
TOTAL SCORE	15.97	17.18	14.88	13.74	11.67	10	16.07	17.17
SITE	GC-12	GC-13	GC-14	GC-15	GC-16	GC-17	GC-18	GC-19
Scientific Value	5.67	3.83	6.34	6.51	4.01	6.84	5.34	4.17
Additional Values	2.67	2.5	2	2.17	2.17	2.17	2.67	1.67
Potential for use	8.27	7.93	8.23	7.56	7.2	7.9	4.86	6.53
TOTAL SCORE	16.61	14.26	16.57	16.24	13.38	16.91	12.87	12.37

GC-9	GC-10	GC-11
3.84	6.17	4.5
2.17	3	1.17
5.5	9.1	6.6
11.51	18.27	12.27

GC-20	GC-21	GC-22
6.84	6.17	6.01
3	1.17	3
7.4	7.57	6.6
17.24	14.91	15.61

VALUE	Potential maximum value	Average (GC-1-GC-22)	Average (modified Bollati et al., 2016)
Scientific Value	8	5.31	4.61
Additional Values	3	2.19	1.23
Potential for use	10	7.31	6.55
TOTAL SCORE	21	14.80	12.39