THE SECOND IUGS GEOLOGICAL HERITAGE SITES

LIST OF CANDIDATES

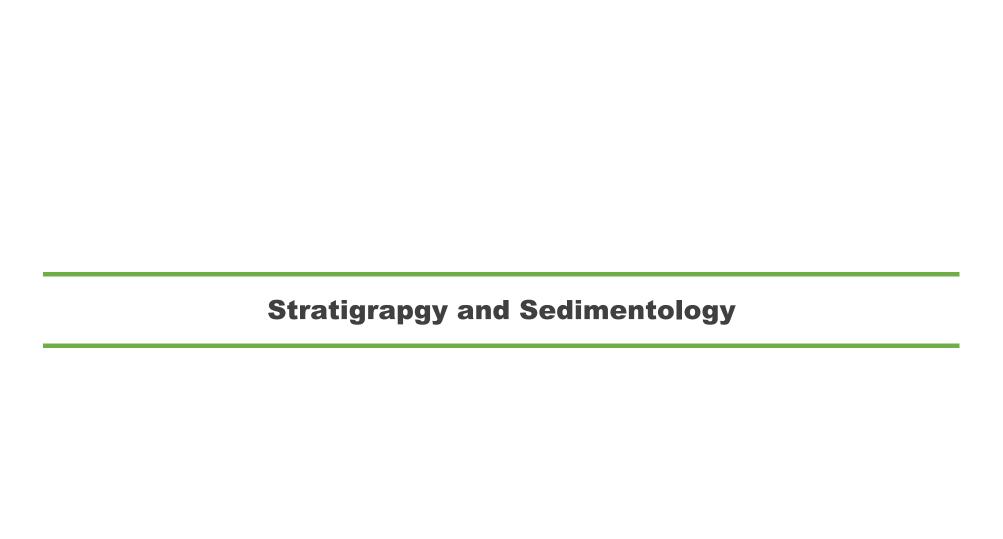


Table of Contents

History of Geosciences	2
Stratigrapgy and Sedimentology	4
Paleontology	7
gneous and Metamorphic Petrology	10
Volcanology	12
Fectonics	14
Mineralogy	17
Geomorphology and Active Geological Processes	19
mpact Structures and Extraterrestrial Rocks	23

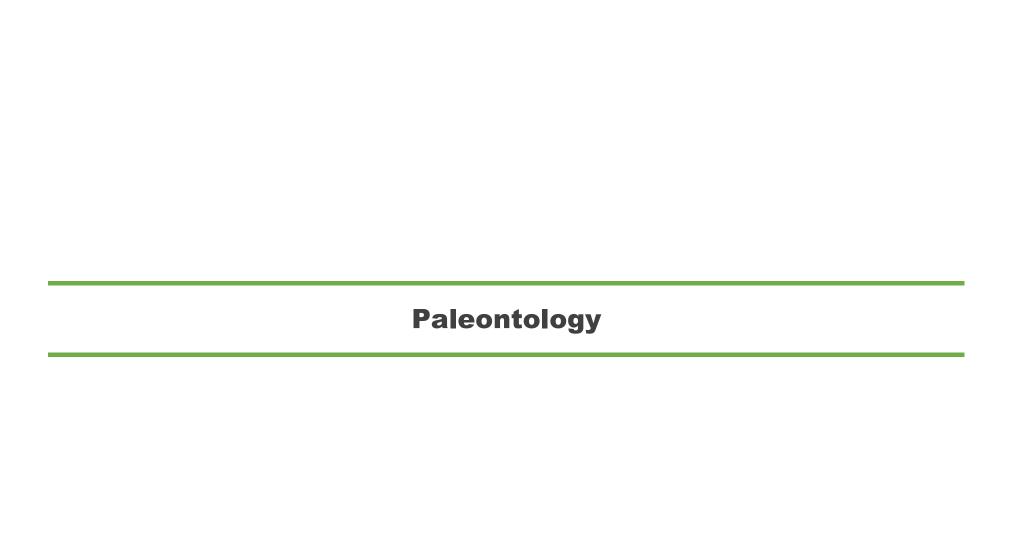


NAME	COUNTRY	HEADLINE
The historical Bajocian stratotype of Sainte-Honorine-des-Pertes	France	Historical site where the Bajocian stratotype was first defined in 1852 by Alcide d'Orbigny
The combined Esmark Moraine and Otto Tank's Moraine	Norway	The sites where Jens Esmark discovered the Ice Age in 1823
Cavansham Ferry and Llanstephan	United Kingdom	Location of "the first true Silurian", as designated by its founder Sir Roderick Impey Murchison.
Sea Point Contact	South Africa	A historically significant and well-exposed geological contact that continues to provide valuable insights into intrusion-wall-rock interactions.
The Quaternary Montagne Pelée volcano	France	Montagne Pelée is the world reference volcano for the Peléan eruption-type, firstly described by Alfred Lacroix in 1902.
Kikaijima Island – history of coral reefs over a period of 100,000 years	Japan	Coral reef terraces on Kikaijima Island, the highest uplifted island in the world, recorded changes in climate, sea level, and ecosystem.
Columnar Trap Dyke Near Potla – A Geological Marvel	India	4.5 km. long Potla Dyke is iconic, rarest of rare, consisting of perfectly-separated, well-developed, finely-stacked, and interlocked polygonal basalt columns
Durbuy Anticline (Anticlinal de Durbuy, Anticlinal d'Omalius, Anticlinal de la Falize)	Belgium	An archetype anticline
The Parallel Roads of Glen Roy	United Kingdom	An iconic suite of glacial lake shorelines that underpinned the development of the Glacial Theory in the 19th century.
Mer de Glace	France	One of the most emblematic glaciers of the world, studied as early as the 18th century
Maruia Falls	New Zealand	Earthquake causing Maruia Falls led to the Discovery of the Inner Earth Core
Scheibenberg	Germany	Around 1790, the Scheibenberg became a key argument in the dispute about the origins of basalt from water or lava.
Vesuvius volcano	Italy	The birthplace of volcanology, from the description of the 79AD eruption by Pliny the Younger until the scientific studies in the 18th and 19th centuries.
Agno Valley	Italy	The site where Giovanni Arduino established in 1758-1760 his lithostratigraphical theory in four units, the basis of modern stratigraphic chronology.



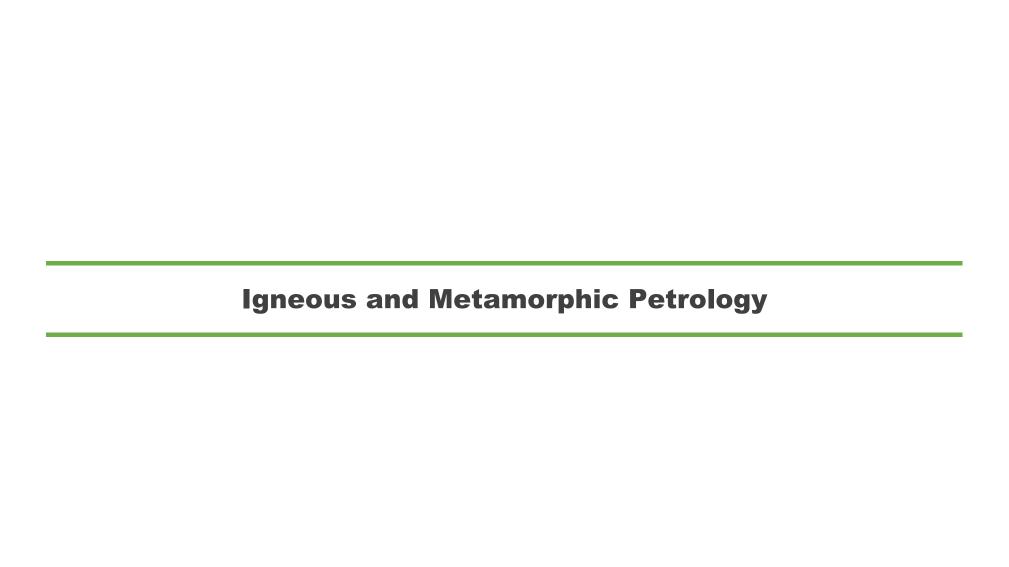
NAME	COUNTRY	HEADLINE
The Gher'alta Mountians	Ethiopia	Geologically diverse, rugged and scenic mountain ranges exposing an extensive succession of Neoproterozoic to Oligocene rocks.
The Kibish Formation	Ethiopia	Home of one of the oldest Homo sapiens fossils in the world
Jurassic Coast: Lyme Regis	United Kingdom	A globally unique near-continuous Mesozoic coastal succession exemplified by the classic Lower Jurassic of Lyme Regis
The Precambrian-Cambrian boundary section at Meishucun	China	One of the world's best stratigraphic sections illustrating rapid appearances of animals across the Precambrian-Cambrian boundary, constrained by numerical ages.
Latemar Triassic carbonate platform	Italy	A fully preserved isolated carbonate platform, probably with the best exposed facies transitions and depositional geometries in the World
End-Triassic Flood Basalts at the Old Wife	Canada	One of the World's greatest testimonials to the breakup of Pangea, implicated in the end- Triassic mass extinction event
Maastrichtian chalk and Pleistocene glacial deposits of the Jasmund Glacitectonic Complex	Germany	Youngest glacial tectonic event in Central Europe, Pleistocene glacial deposits folded and tectonically overlain by Cretaceous chalk, erosional cliff coastline
Walpole-Nornalup Inlet: a unique complex barred twinbasin ria estuary incised into Precambrian rock	Australia	Estuarine stratigraphy in a humid climate - the most complex estuary in Australia
The Coyote Buttes and The Wave, Jurassic Navajo Sandstone	United States of America	An iconic outcrop of aeolian stratigraphy, this colorfully sculpted Navajo Sandstone landscape records the largest erg in geologic history.
Castlepoint, New Zealand - an evolving accretionary prism in the geological record	New Zealand	One of the Earth's best exposed and superbly accessible accretionary wedge in a Miocene - Pleistocene subduction factory in New Zealand
The Burren and Cliffs of Moher (Ireland)	Ireland	One of the most complete sections with Mississippian limestones in exceptional karst landscapes and Pennsylvanian deltaics in spectacular sea cliffs.
The Silurian Stratigraphic Section Cellon	Austria	Well exposed conformable fossiliferous sequence of limestones representing a standard for the Paleozoic of the Alps
Lake Salda; a Mars analog lacustrine basin on the Earth	Turkey	A deep alkaline lake deposits hydromagnesite microbialites that may have clues for possible ancient life on Mars.
Parc National Isalo	Madagascar	Isalo showcases unique and remarquable geological formation. These formation provide valuable insight into the earth's geological history, showcasing sedimentation processes, erosion patterns
The Lower Jurassic reference section of Peniche	Portugal	The Toarcian GSSP and evidence of the T-OAE in one of the most iconic and studied Lower Jurassic outcrops in the world
Vena del Gesso Romagnola	Italy	The geosite represents an outstanding witness of the Messinian mediterranean salinity crisis and hosts peculiar karst evolution processes and landforms.
Cambrian Global Boundary Stratotype Sections and Points (GSSPs) in Xiangxi	China	Cambrian Guzhangian Stage, and Furongian Series and Paibian Stage Global Boundary Stratotype Sections and Points (GSSPs) in Xiangxi
Scala dei Turchi	Italy	Scala dei Turchi forms a beautiful natural cliff where Zanclean calcareous and marly limenstones are controlled by Milankovitch cycles

NAME	COUNTRY	HEADLINE
The Early-Middle Pleistocene Montalbano-Ideale reference section (South Italy)	Italy	One of the best exposures, most continuous and highly studied outcrop of marine sediments encompassing the Lower-Middle Pleistocene boundary
Raciška Pecina Cave sedimentary section, multi-proxy record of landscape and paleoenvironmental changes during the last 3.4 Ma	Slovenia	Pliocene to Holocene chronostratigraphy and paleoenvironmental records from cave sediments, including Pliocene/Pleistocene and Matuyama/Brunhes geomagnetic field reversals.
The Ordovician glacial pavements of the Tassili n'Ajjer	Algeria and Lybia	Spectacular glacial erosion surfaces that allow a glimpse of the end-Ordovician ice streams that once crossed the entire Sahara.
The Mesoproterozoic Belt-Purcell Supergroup	United States of America and Canada	The Belt-Purcell Supergroup is the thickest sedimentary succession on earth capturing pristine Precambrian rock, spectacularly exposed by intensive glacial carving.
Oak Ridges Moraine: glacial-age flood deposits	Canada	Large, sand-gravel moraines are rare, remarkable landforms on the glaciated Canadian landscape that formed rapidly during late glacial flooding.
Hällekis Quarry	Sweden	One of the most complete, spectacular and most thoroughly documented sections of Ordovician cool to temperate water limestones, globally.
Guadalupe Mountains National Park	United States of America	Permian strata within Guadalupe Mountains National Park represent one of Earth's besexposed and most accessible ancient reef complexes.

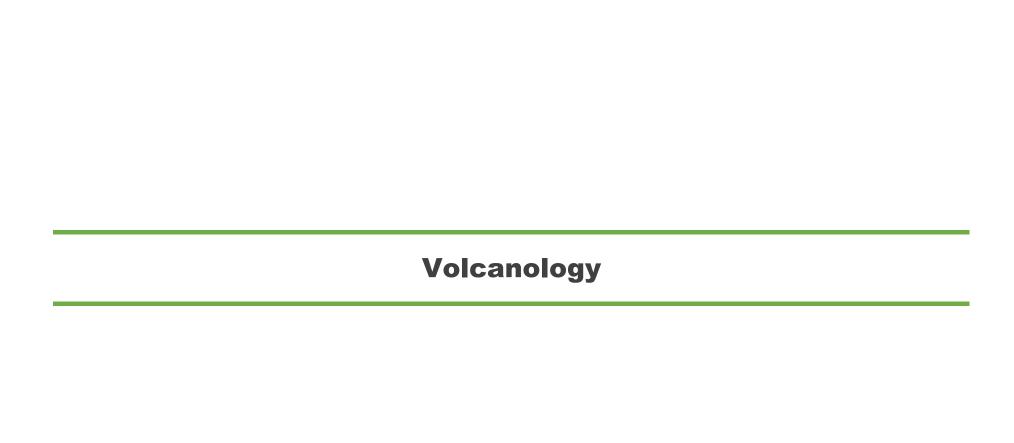


NAME	COUNTRY	HEADLINE
Dashanpu Middle Jurassic Dinosaur Fossils Site	China	One of the most important Middle Jurassic dinosaur fossil sites in the World
Bagh Dinosaur Fossils Park Region	India	Home of the endemic dinosaur of Indian origin
Rahioli Dinosaur Fossil Park	India	Indian Dinosaur Fossil Park hosts skeletal remains and nest sites of Upper Cretaceous theropods and sauropods in a single locality
The 2.9 Ga Mesoarchean Pongola Supergroup near Nhlazatse	South Africa	Worlwide unique suite of stromatolitic and clastic microbial mat structures that record ancient climate change in the Archean Era
Miguasha	Canada	The World's most outstanding site for Late Devonian fossil fish, including the lobe fin fishes that are the evolutionary link to vertebrate life on land
Lower Pleistocene large mammals of the Guadix-Baza Basin (Serial Site)	Spain	One of the best records of large Pleistocene mammals, their ecosystems and landscapes for Europe, and first inhabited by humans.
La Venta middle Miocene Neotropical biome	Colombia	A Neotropical lagerstätte that hosts one of the most diverse and exuberant biomas from an extinct Miocene rainforest.
Ediacaran-Cambrian paleontological and geological sites of the Nama Group	Namibia	One of the most continuous stratigraphic and palaeontological records of the Ediacaran-Cambrian time interval in the World.
Lower Cretaceous Tlayúa Lagerstätte quarry	Mexico	Due the diversity and extraordinary preservation of its fossils, the Tlayúa quarry has been recognized as the American Solnhofen
Willow Creek Anticline of the Two Medicine Formation	United States of America	Area that revealed the first evidence of colonial nesting and parental care in dinosaurs
The Footprints of Acahualinca	Nicaragua	Human footprints in Holocene lithified lakeshore mud, bracketed by a type Nicaraguan Depression phreatomagmatic and ignimbrite stratigraphy.
Basal Jurassic Shores of Lake Whitmore	United States of America	Exquisitely preserved trace and body fossils that document terrestrial ecosystem recovery immediately after the end-Triassic extinction.
The world's largest fossil oyster reefs	Austria	The world's largest excavated fossil oyster reef and a unique window into Europe's tropical past.
Continuous Triassic record of primitive Dinosaurs and mammalian reptiles from Ischigualasto	Argentina	A fossil record that helps to understand the origin of dinosaurs and mammals
Late Devonian polar tetrapods and estuarine lagerstätte of Waterloo Farm	South Africa	The only known Famennian polar estuarine lagerstätte, including the only non-tropical Devonian tetrapods, and ontogenetic series of the oldest lampreys.
The Rhynie cherts: the earliest known well-preserved	United	The earliest well-preserved terrestrial ecosystem, transformative to our understanding of
terrestrial ecosystem	Kingdom	plant, animal, fungal and microbial evolution and diversity.
Las Hoyas fossil site (Cuenca, Spain): an extraordinary Early Cretaceous faunal and floral wetland	Spain	A wetland with microbial mats favoring the exceptional fossilization of animals and plants including their soft tissues
Bolca Lagerstätte	Italy	A unique and spectacular snapshot of tropical shallow marine life in the early Cenozoic of Tethys
Wadi Al-Hitan (Whale Valley)	Egypt	Wadi El-Hitan (Whale Valley), Fayum province, Egypt

NAME	COUNTRY	HEADLINE
Siwa oasis	Egypt	Oasis of the Evolution of paleontology (Twin of Wadi Elhitan); climate change; earth Morphology and Human Civilization.
Oldest fossil site of Tarutao island	Thailand	Diverse biota that records the oldest life of Thailand
Permian Vegetational Pompeii—Permian Wuda Fossil Site	China	A 298 Ma aged coal-forming tropic rain forest is entombed in volcanic tuff.
Wren's Nest - A diverse Silurian fossil assemblage	United Kingdom	An exceptionally abundant, diverse and well preserved shallow marine invertebrate fauna, world famous for its trilobites.
Cariri Stone	Brazil	The Cretaceous Cariri Stone Northeastern Brazil: a perfect Fossil-Lagerstätten and Pre-Salt carbonate rock analogous.
Carnegie Quarry Dinosaur Bone Site, Upper Jurassic, Utah	United States of America	A wall of over 1500 dinosaur bones exposed on a cliff face inside the Quarry Exhibit Hall.
Middle Jurassic dinosaur footprints from the Serras de Aire and Candeeiros	Portugal	The longest and best preserved trails with dinosaur footprints of the Middle Jurassic



NAME	COUNTRY	HEADLINE
Caishixi Outcrops of the Neoarchean middle- lower continental crust	China	One unique and typical site where the Neoarchean middle-lower continental crust was well exposed and preserved in the World
The Mohorovicic discontinuity in outcrop	Italy	Contact between continental mantle and lower continental crust of the Ivrea-Verbano Zone, Italy
Leka Ophiolite Complex	Norway	Grasp the complexity of the oceanic crust and embrace the excitement of a walk into the earth's interior
Cerro de Las Navajas obsidian deposit, Mexico	Mexico	Unique, green-golden obsidian deposit: witness and protagonist of power and spirituality of Mesoamerica
Keweenaw Midcontinent Rift (MCR)	United States of America	The largest lava flow on Earth by volume; a glimpse of a rare and extraordinary magma ocean occurrence
The Palisades Sill Layered Mafic Intrusion	United States of America	A classic example of a shallow layered mafic intrusion
Cretaceous-Paleocene komatiites offshore Colombia	Colombia	Like a window to the mantle composition, the youngest komatiites on Earth outcrop in a scenic island offshore western Colombia.
The larvikite plutonic rocks	Norway	The blue and beautiful rock formed beneath continental rift volcanoes
Barrow Zones, Scottish Highlands	United Kingdom	The first systematic study of regional metamorphism through analysis of index minerals in metamorphosed mudstones.
Contact metamorphic rocks, Orijärvi	Finland	Study of these rocks led to the foundation of the metamorphic facies concept, used in nearly all metamorphic studies.
The Rum Igneous Complex	United Kingdom	Superb array of shallowly emplaced ultramafic to felsic igneous rocks that differentiated in an open system and concentrated precious metals.
Mateo Tepe (Devils Tower)	United States of America	Mateo Tepe (Devils Tower) – a prominent columnar exhumed igneous rock feature

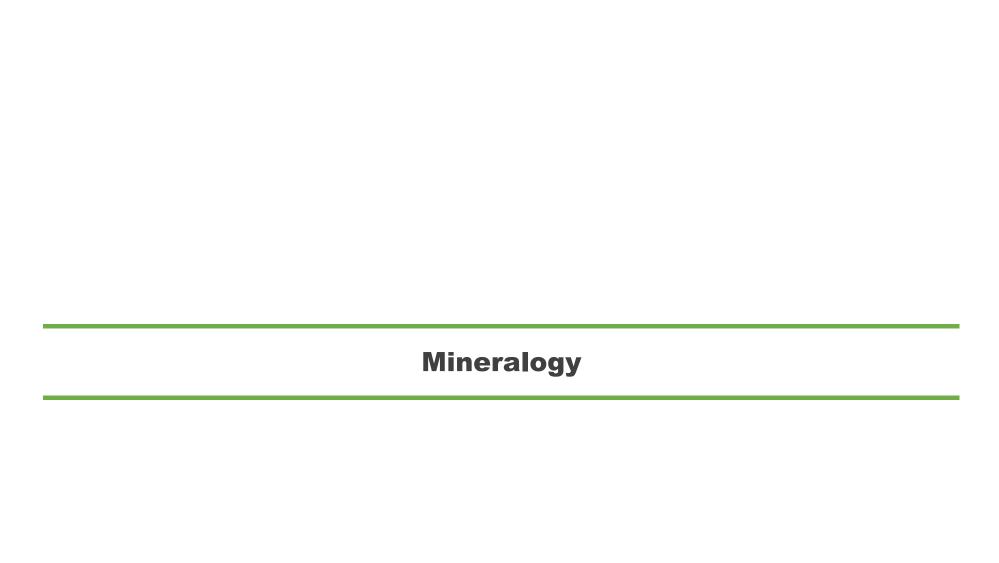


NAME	COUNTRY	HEADLINE
Arxan Late Quaternary Volcanic Site	China	One of the best preserved Quaternary volcanic heritage, exhibiting the complete development process of volcanoes
The Nemrut Caldera	Turkey	The Nemrut Caldera: One of the Best Spectacular Caldera Lake of the World
The Pleistocene Al Wahbah dry maar crater	Saudi Arabia	Al Wahbah is the world largest, young dry maar volcano half sectioning older scoria cones of Harrar Kishb, Saudi Arabia
Heisei Shinzan Lava Dome	Japan	Scientifically best-documented dome growth – The Heisei Eruption of Unzen Volcano
El Laco iron lavas	Chile	Due to their preservation quality, surface structures and other features of iron (magnetite) eruptions, these magnetitite lavas are unique worldwide
Parícutin Volcano	Mexico	Parícutin: The Volcano born in a Mexican cornfield
Ngorongoro Crater	Tanzania	The world's unflooded and unbroken caldera
Deccan Traps	India	The Deccan Traps (India) is one of the largest, best-exposed and best-studied continental flood bas provinces of the world.
Taupo	New Zealand	Taupo volcano was the the source of the most recent supereruption on Earth
Muriwai Miocene megapillow lava flow with giant fans of cooling columns	New Zealand	World's largest, most complex and spectacular megapillow lava flow with giant internal feeding tubes with fans of cooling columns.
Lower Pillow Lavas, Akaki (Maroullena) River	Cyprus	A volcanicity site that attests the existence of the ancient Neotethys ocean, where at its depth the Troodos Ophiolite formed.
Ruapehu Volcano	New Zealand	Te Matua o Te Mana – Our majestic volcano, Ruapehu
The Active Hunga Volcano	Tonga	This volcano shocked our world with one of the most extraordinary geological events ever observe
Thermal Complex associated to Chachimbiro Volcano	Ecuador	Potentially active stratum volcano with multiple hot springs. It's part of a geothermal energy proje with a high production capacity.
Deccan Traps of Mahabaleshwar	India	Deccan Trap section representing basaltic lava flows
Pico do Cão Grande	Sao Tome and Principe	Pico do Cão Grande is the most spectacular volcanic peak in the oceanic part of the Cameroon Volcanic Range.
Torfajökull volcano	Iceland	Active rhyolitic caldera that hosts the largest rhyolite and geothermal area in Iceland with very diverse and rare geothermal features.

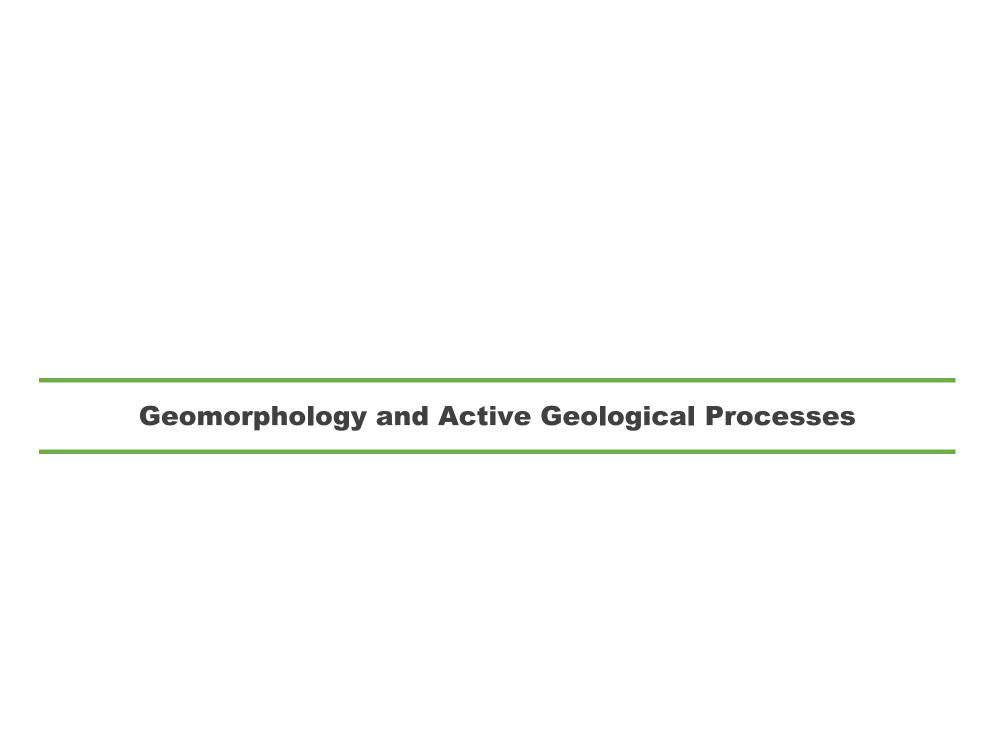


NAME	COUNTRY	HEADLINE
Nidar Himalayan Ophiolite Complex	India	Nidar ophiolite complex represent the crustal-mantle sections of an
		intra-oceanic island arc preserving tectonic events of evolution of Himalaya.
Middle Miocene salt deposit in Wieliczka	Poland	The Wieliczka salt deposit has unique geological tectonic structure, and long history of mining activity.
Mt. Vettore, surface faulting of a seismic sequence	Italy	The most recent, documented and preserved surface faulting example in Italy
Colca Canyon, a window on the evolution of relief in the Andes	Peru	Earth's exceptional canyon provides 1800 millions years of Earth's history, natural laboratory for research and education in active continental margins
Marine terraces of San Juan de Marcona	Peru	Exceptional site showcasing the influence of the Nazca-Ridge on the continuous uplift of the western edge of the Central Andes
Mount Olympus Neogene exhumation window	Greece	Twenty Mountains on Earth and one on Mars are named after Mount Olympus, an exhumation complex that shaped western civilization
Esla Unit in the Cantabrian Zone	Spain	An exceptional natural laboratory for the study of the evolution of foreland fold and thrust belts.
The Patos Shear Zone	Brazil	Impressive example of an exhumed mid-crustal strike-slip intracontinental shear zone
Mesozoic rocks of the Somerset Coast	United Kingdom	Spectacular exposures of brittle structures related to basin development and inversion
Xianshuihe Fault, the most active fault in China	China	Clearest and most active fault in the eastern Tibetan Plateau, with one large earthquake occurring every ca. 30 years
Zuccale low-angle normal fault (Elba Island)	Italy	The best exposures of a crustal extensional shear zone in the western Mediterranean area
Alpine superposed buckle folds in Aliaga (Iberian Chain)	Spain	Probably, the largest and most original example of superposed buckle folding reported in the world, splendidly expressed in the landscape.
Lajishan Early Paleozoic Suture	China	A record of the evolution of Proto-Tethyan Ocean including the earliest and complete Phanerozoic intra-oceanic arc system
El Rodadero de Sacsayhuaman - Suchuna	Peru	One of the world's most spectacular examples of continuous magmatic casting in a hypabyssal dioritic body
Salt domes and salt glaciers (namakiers) of the Zagros Fold and thrust belt	Iran	The most spectacular manifestation of salt tectonics in one of the youngest collisional zones in the world
Glarus Thrust	Switzerland	An exceptional and dramatic display of mountain building through continental collision with phenomenal outcrops in an alpine mountain landscape.
Morphotectonic landscape of the Chicamocha Canyon	Colombia	The natural geological laboratory for understanding the tectonic evolution of the northern Andes within a unique transpressive structural framework.
Oligocene Laccoliths and Sedimentary Rock Domes of	United States	The laccolithic structures identified in 1875 by G.K. Gilbert as important magmatic
the Henry Mountains	of America	contributions to tectonic processes of mountain building
Late Cretaceous Samail Ophiolite	Oman	The Samail Ophiolite as the largest, best preserved/exposed oceanic lithosphere on land, attracts studies of obduction and igneous processes.

NAME	COUNTRY	HEADLINE
Giant sheath folds in Wadi Mayh	Oman	This site displays rare, large and superbly exposed sheath folds, which formed during high non coaxial strain.
Monte Perdido massif tectonic structure, the highest calcareous massif in Western Europe	Spain	It is a key site for understanding the relations between sedimentation and deformation in mountain building processes.
Reykjanes	Iceland	Active rift zone onshore with faulting, fissure eruptions, hyaloclastite ridges and a geothermal area.



NAME	COUNTRY	HEADLINE
Neoproterozoic Calc-silicates of Brejuí Mine	Brazil	One of the largest deposits of scheelite (CaWO4) in South America
The Kalahari Manganese Field, South Africa	South Africa	The worlds largest land-based resource of manganese hosting rare, unique and world-renowned minerals.
The Broken Hill Pb-Zn-Ag deposit	Australia	The Broken Hill deposit is a 'mineralogical rainforest', having yielded 340 mineral species, 26 of which are types.
The ultrahigh-pressure unit of the Dora-Maira Massif, Western Alps	Italy	The first place where ultrahigh-pressure (UHP) metamorphic rocks were described on Earth and recognised as forming a coherent unit
Mont Saint-Hilaire	Canada	Mont Saint-Hilaire is the preeminent, single site mineral locality in the world.
The Muzo emerald deposit	Colombia	This most famous emerald deposit, known since Precolombian times, yielded the finest gem emeralds; its hydrothermal-sedimentary genesis is unique.
Sar-e-Sang Lapis Lazuli	Afghanistan	One of the most classical localities of Lapis Lazuli on Earth, that occupies a scientific key position between geoscience and archaeology
Mineralogy's Cornucopia: the Långban Mines	Sweden	One of the most mineral species-rich deposits on the planet and the type locality of some 80 mineral species.
Butte Mining District	United States of America	The Butte (Montana) Mining District is one of the most productive porphyry-hosted ore bodies in the world.



NAME	COUNTRY	HEADLINE
Conglomerate pinnacles of Meteora	Greece	Iconic landscape of conglomerate and sandstone pinnacles
Issafen-style chevron patterns - Anti-Atlas fold belt	Morocco	A special example of Chevron patterns in one of the most spectacular geological settings in Africa
Thermoerosional hills of Vilnius castles	Lithuania	Unique pattern of morainic hills of Saalian age just outside of margin of Weichselian glaciation sculptured by thermoerosion (thawing permafrost).
Mammoth Cave National Park	United States of America	The Mammoth Cave System is the longest known cave in the world and is still being explored.
Granite landforms of Dartmoor	United Kingdom	Emblematic granite landforms and the global reference site for studies of granite weathering and Pleistocene cold-climate landforms
Mackenzie Delta – coastal landform supplied by the fluvial system	Canada	Complex coastal landforms of different origin: glacial, permafrost, fluvial, pseudo-karst
Fish River Canyon	Namibia	Second largest canyon on earth, transect through rocks formed over >2Ga revealing the history of three major Proterozoic orogenic cycles
Shark Bay	Australia	Shark Bay World Heritage site - an area with outstanding geological, geomorphological, and biodiversity values
Cerro Chirripó paleoglacial massif	Costa Rica	Central America's paleoglacial type site in a unique páramo ecosystem over 3000m.
Great Salt Lake – Antelope Island State Park	United States of America	Great Salt Lake is the largest saltwater lake in the western hemisphere, and is a fragile closed-basin lake system.
The White Limestone karst of Cockpit Country	Jamaica	One of the most outstanding areas of limestone karst in the World
Viñales, land of towers karst	Cuba	Geologic evolution from Pangea to Caribbean, unique J-K and K-Pg boundary sections and towers karst with superimposed fluvial caves.
Fteah Cave (Haua Fteah)	Libya	The largest karstic cave in Libya and the most important site of human settlement in North Africa during stone age.
Inverted landscape of a Plio-Pleistocene phreatomagmatic monogenetic volcanic field: Tapolca Basin	Hungary	One of the best example of complete inverted relief of a high vent-density phreatomagmatic monogenetic volcanic field on Earth.
Campo de Piedra Pómez	Argentina	It is a protected natural reserve in a volcano-tectonic depression with aeolian proceses assimilated to Mars landscapes.
Etosha Pan	Namibia	One of the largest palaeolake salt pans in the world which supported a diverse Neogene to Pleistocene fossil fauna
Al-Tar Caves	Iraq	One of the most strange forms of caves and geomorphological features over global deserts with implications of human civilization.
Fontaine de Vaucluse	France	The locus typicus ascending spring with globally longest history of recorded discharge
Wakulla spring	United States of America	Spring with great discharge and with explored more than 16 km massive underwater tunnels

NAME	COUNTRY	HEADLINE
Vrelo Bune (Buna Spring)	Bosnia and Herzegovina	Deep siphonal spring and pilgrimage site with enormous maximal discharge
Kläfferquellen (Kläffer Spring)	Austria	The core of European largest water supply system that almost entirely supplies a capital city with high-quality fresh water from karst
Rotorua's geothermal fields (Ahi-Tupua) of Whakarewarewa, Waiotapu and Waimangu	New Zealand	Rotorua's geothermal fields (Ahi-Tupua) have globally exemplary examples of diverse surface features, especially colourful sinter, geysers and boiling mud pools.
Fiordland glacier-carved fjords and towering sea cliffs	New Zealand	Globally significant examples of spectacular fjords, deeply carved by glaciers through gneissic rocks uplifted high along the convergent plate boundary.
Getbol, Korean Tidal Flats	South Korea	Unique coastal landforms made by dynamic and dramatic physical settings since the Last Glacial Maximum
Guilin Karst	China	Guilin karst is a global reference to show the geological and geomorphological effects of continental Karst development.
Sanqiao Natural Briges Karst Systems	China	It is a textbook for the formation and evolution of quaternary Karst gorge landscape and a natural experimental base for scientific research
Water-Sculpted, Glaciated Rocks of the Precambrian, Canadian Shield	Canada	Conventional knowledge of how glaciers modify landscapes is challenged by evidence of erosion by powerful, sediment-laden, turbulent subglacial meltwater flows.
Alchichica Crater Lake	Mexico	The habitat of living stromatolites and rare axolotls in a unique limnic-volcanic system
Sótano de las Golondrinas shaft cave	Mexico	Sótano de las Golondrinas, a huge karst pit, the nest and home of tropical birds
Peruaçu caves National Park	Brazil	Home of the world's largest stalactite, Peruaçu Caves National Park tells the story since an Neoproterozoic sea to Holocenic occupation.
Pleistocene volcanic tube La Corona-La Atlántida	Spain	World largest undewater lava tube.
Seymareh landslide	Iran	One of the most catastrophic Quaternary geological events, signified as the largest landslide on the planet earth.
Quartzite karst and table mountains of Gran Sabana	Venezuela	The World's Finest Quartzite Karst
Yosemite Valley	United States of America	Archetypal glacial landforms inset into spectacular mountainous granite topography
Hornsund Fjord and its bedrock landforms and glaciers	Norway	A showcase of glaciers, glacial, periglacial, paraglacial and polar coastal landforms
Vatnajökull - Dynamic Interplay of Ice and Fire	Iceland	Unique landscape and geological history forged by the constant conflict between fire and ice.
Karst at Madre de Dios, western Patagonia	Chile	Karst developed in massive Permian terrane allochthonous to Gondwana
The Dead Sea	Israel	The Dead Sea is an excellent site for observing geomorphological, sedimentological, lacustrine, and geochemical processes and studying tectonics and paleoclimate.
Paulabreen moraine system	Norway	Holocene deposits and landforms in marine and terrestrial environments from surging glaciers including damming of a large glacilacustrine lake.
Illgraben - a rapidly eroding debris-flow catchment and natural laboratory	Switzerland	An extremely rapidly eroding catchment and natural laboratory for understanding the debris- flow process, from flow mechanics to geomorphology

NAME	COUNTRY	HEADLINE
Ha Long Bay-Cat Ba Archipelago marine-drowned tropical karst	Vietnam	The most extensive and best known example of marine-invaded tower karst in the world.
Uyuni salt flat, the world's largest and highest	Bolivia	10.000 km2 the extensive desert and evaporitic and the greatest reserves of lithium brines, and the mirror in the world.



NAME	COUNTRY	HEADLINE CONTROL OF THE PROPERTY OF THE PROPER	
"Campo del Cielo" Meteoritic Swarm Impact Field	Argentina	The best example in the world of horizontal very low angle swarm meteoric impact field occurred during eachistorical times	
Charlevoix Astrobleme	Canada	One of the best preserved ancient complex meteor craters with recognizable rim, central peak and structures in an inhabited area.	
Vredefort Dome	South Africa	th Africa Eroded remnant of Earth's largest impact structure, exposing varied impact-related deformation and melt rocks, and a deeply exhumed crustal profile.	
Bosumtwi Impact crater	Ghana	The youngest well preserved complex impact structure on Earth	
Ries Crater, Neogene	Germany	One of the best preserved craters worldwide displaying many impact features, which can be studied in an easily accessible region.	
The Barringer Meteorite Crater aka "Meteor Crater"	United States of America	The Barringer Meteorite Crater aka "Meteor Crater" is one of the best-preserved and -exposed meteorite impact craters on Earth.	
Lake Bosumtwi Impact Crater	Ghana	Bosumtwi is the youngest well preserved complex impact structure known on Earth and the source of the Ivory Coast tektites	