









28 May 2022 09:00-11:30



Geodiversity in Argentina.

Resources, state of the art and future

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Venezuela Guyana México Nicaragua 21°46′S-Argentina Atlantic Ocean 55° 03′S

2,791,810 km² Atlantic coast to the east Andes Cordillera to the west

47.327.407 inhabitants 17 inhabitants/km²

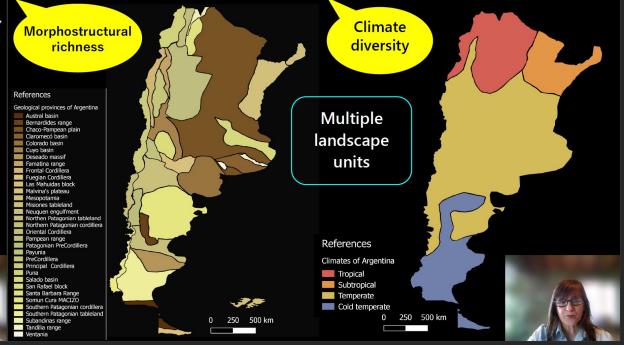


Geodiversity as 'the natural range (diversity) of geological (rocks, minerals, fossils), geomorphological (landforms, processes) and soil features' (Gray 2004, p. 8).

Geosystem services offered by Geodiversity: Regulating -Supporting -Provisional









... but 11 World Heritage
Sites (WHS) were
declared









Although there are no geoparks, national earth scientists proposed ...



72 Geological Interest Sites (GIS) all over the country

This is an inventory which does not imply any specific type of protection







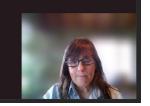
What are Argentina's GIS like?

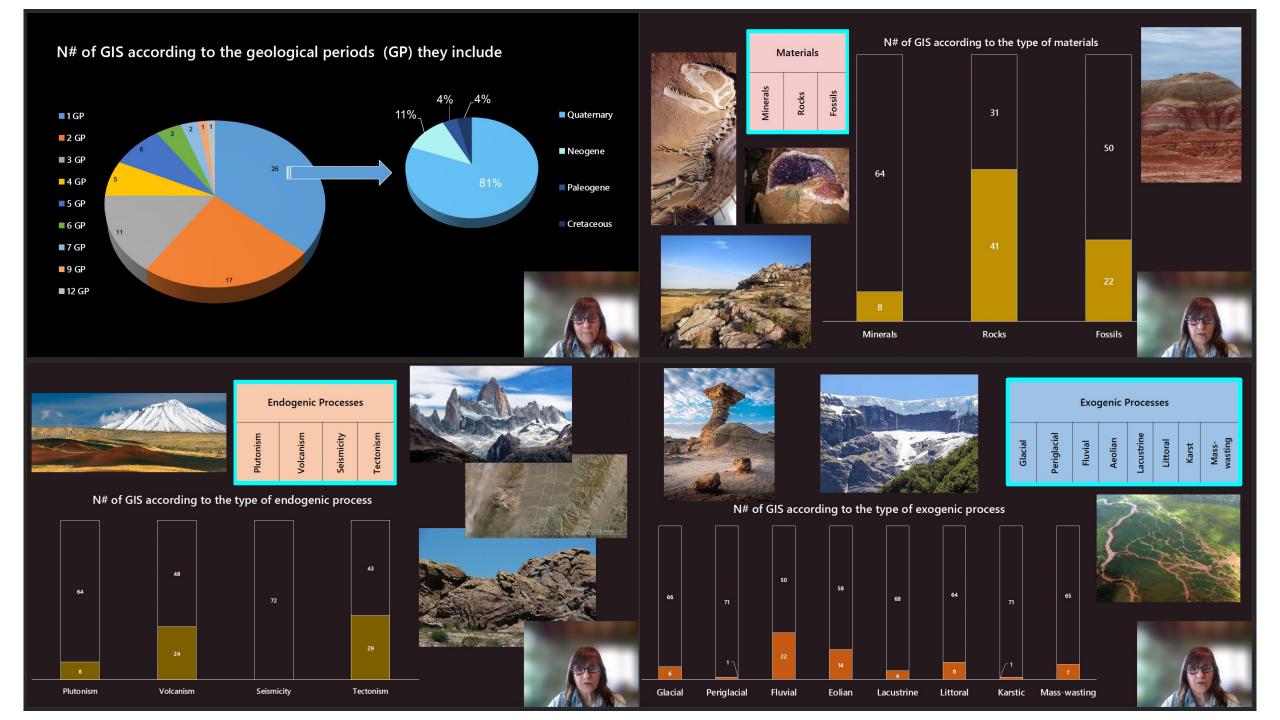


Geological Time



All the geological periods are represented in GIS





Sistema Federal de Áreas Protegidas y Eco-Regiones de la Argentina

The majority of GIS are under diverse regulations in provincial and municipal jurisdictions, thus they are not specifically about geodiversity protection.

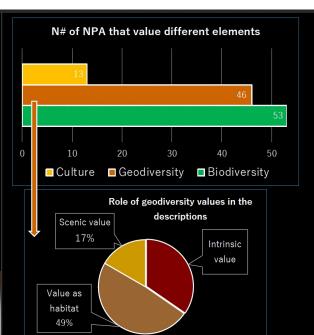
How is Geoconservation carried out?

Federal System of Protected Areas (SiFAP)

236 units distributed in 2.800.000 km2 devoted mainly to flora and fauna

Most of the 72 GIS are part of national protected areas (NPA) and just a few are also recognized by UNESCO as World Heritage Sites (WHS).





53 natural protected areas (NPA) of national jurisdiction that comprises:

- ✓ Natural Parks
- ✓ Natural Reserves
- ✓ Natural Monuments



Our Final Remarks

✓ Argentina is a geodiverse country:



- reliefs
- volcanism and tectonism
- exogenic processes



- Pre-Cambrian to the
- Quaternary

A great opportunity to enhance its geosystemic services of knowledge and culture throughout tourism and leisure





✓ Geodiversity is included in:

72 Geological Interest Sites (GIS, SEGEMAR) 46/53 Natural Protected Areas (NPA, APN) 4/11 World Heritage Sites (WHS, UNESCO)



Value as habitat



Scenic value

As an intrinsic value

Being a GIS does not mean being protected except for fossils that are protected by the National Law of Paleontological Heritage



✓ Being a GIS does not mean being protected...

Almost half of the GIS are not under any type of regulation

+

Apart from fossils, geological and geomorphological heritage is not protected by any specific national law

Argentina needs a National Law of Geological Heritage



WHAT THE FUTURE HOLDS... CHALLENGES

- ✓ To reinforce the spread of the concept of geodiversity in all educational levels and among the society
- ✓ To create a national law devoted to the conservation of geological heritage
- ✓ To underpin and teach the different geosystems services of geodiversity in NPA through interpretion facilities
- ✓ To promote the creation of new natural WHS highlighting geodiversity
- ✓ To encourage the joint work of communities and authorities to come up with geoparks in different parts of the country



Thanks for your attention

_[Muchas Gracias!

Let's continue celebrating Geodiversity's day!

