

Geotectonical environment is characterized by zones where plates and volcanic areas converge.

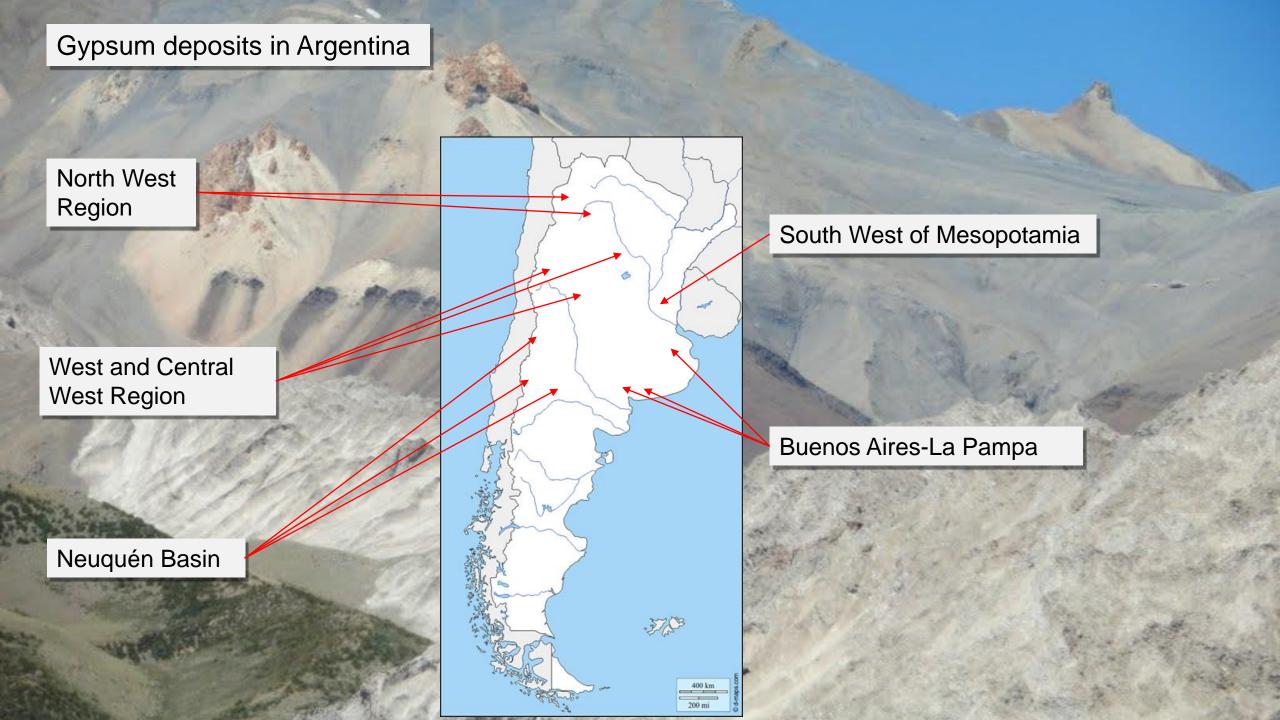
These deposits occupy closed basins mainly in arid regions.

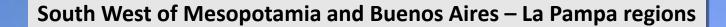


In Argentina calcium sulphate deposits are from evaporitic origin and they originated in lacustrine or marine basins. They are located in continental sediments and can be identified in fossil and actual deposits.

Marine evaporitic deposits cover broad areas. They have a great thickness and reach an average of 90.7 % calcium sulphate.

Lacustrine evaporitic deposits cover limited areas and reach an approximate content of 85% calcium sulphate.

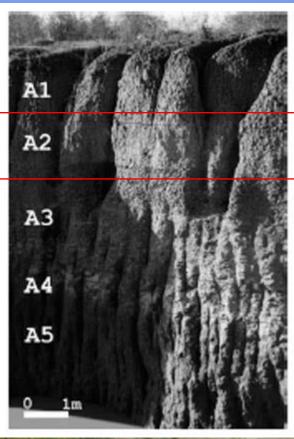




Hernandarias and Luján-Lobos geological formations

Origin: Pleistocene from lacustrine basins





North West Region

Origin: Late Tertiary from lacustrine basins



Tolar Grande, Salta

Gypsum outcrops in Tapia, Tucumán



Vegetation in highland saline environments



Gypsum areas in Recreo, Catamarca







Xenophyllum poposum

Baccharis tola

Parastrephia quadrangularis

Artemisia copa







Parastrephia lucida

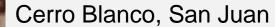
Adesmia horrida

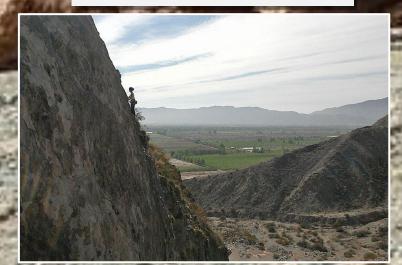
Senecio nutans

West and Central West Region



Angualasto, San Juan





Origin: Tertiary (Medium Miocene) from lacustrine basins

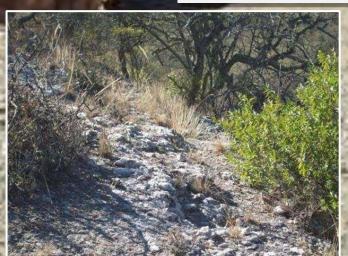


Rodeo, San Juan

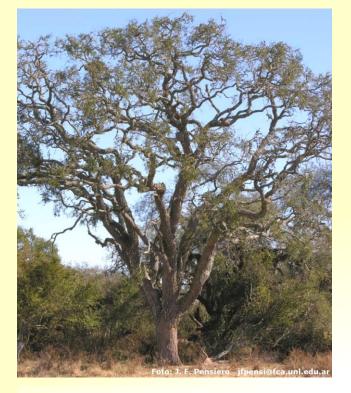


Sierra de los Llanos, La Rioja









Aspidosperma quebracho-blanco



Cordobia agentea





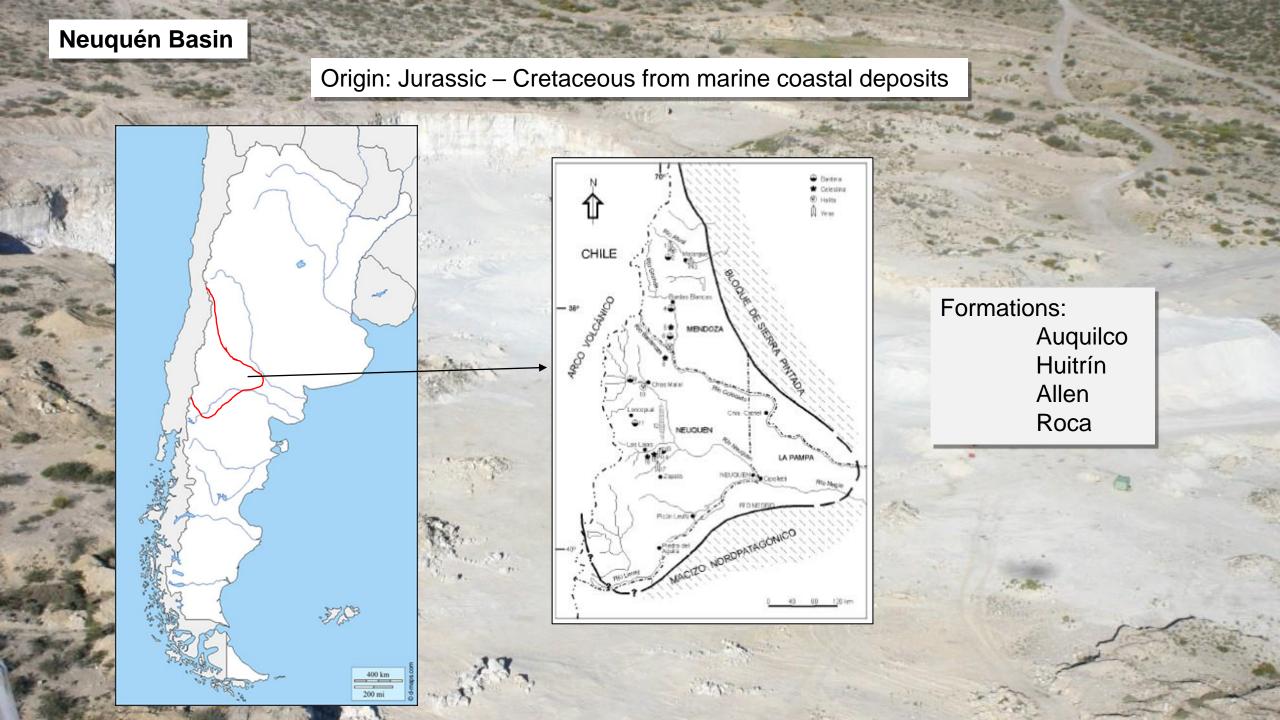
Prosopis torquata



Parkinsonia praecox

Ximenia americana

Larrea divaricata



Landscape components from Auquilco Formation in Mendoza

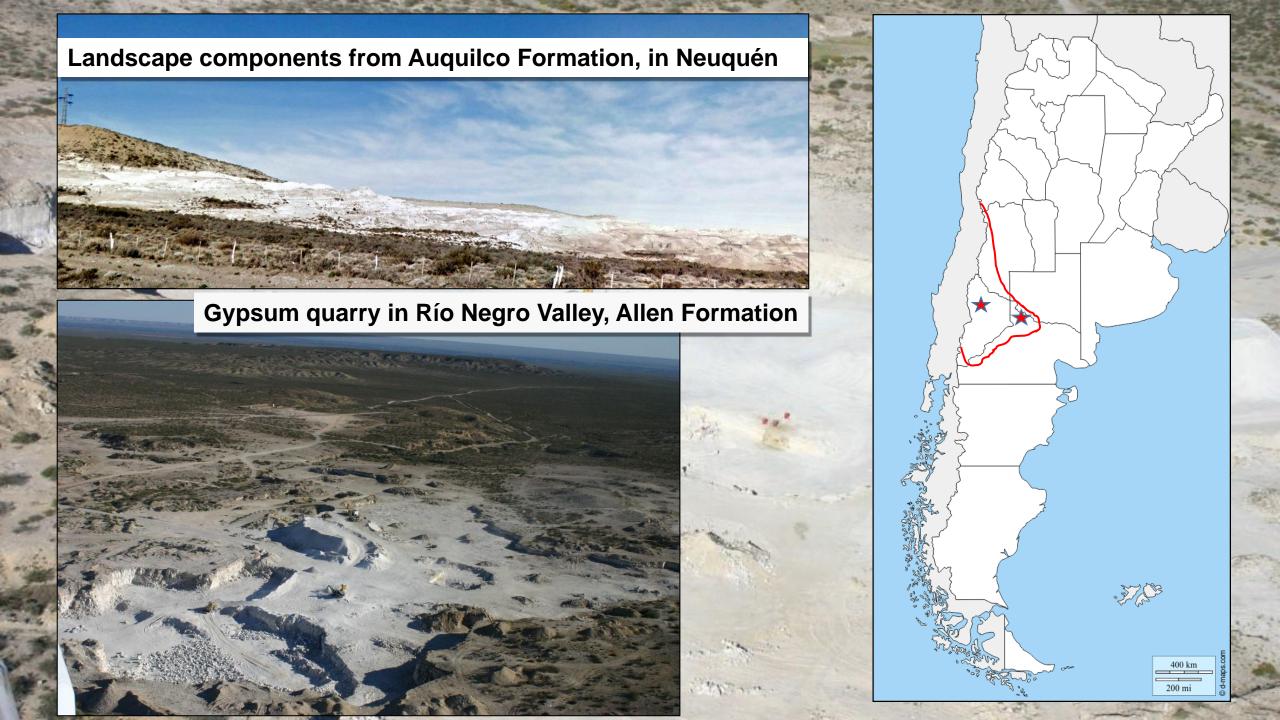




Gypsum quarry in Las Minas stream



Las Leñas Valley





Frankento filseherti Anfbel Prina



Argylia robusta

Frankenia fischeri

Azorella prolifera



Jarava neaei



Pappostipa humilis



Atriplex patagonica

Therefore:

The Neuquén Basin was the selected region to make our survey works within the framework of GYPWORLD project.

Gypsum areas from Buenos Aires-La Pampa, South West of Mesopotamia and West and Central West of Argentina regions do not constitute extensive outcrops, and present a generalist vegetation with crops and exotic species.

Gypsum areas from North West region are above 3500 meters over the sea level with very scarce halophile vegetation.

However, the Neuquén Basin is a clear exponent of biological elements from the South American Dry Diagonal. It presents arid conditions with broader areas, landscapes with scarce current disturbance and peculiar floristic components from arid lands with several endemic species, all of them considered a key for conservation efforts on biodiversity.

