

1. Record Nr.	UNINA9910337889503321
Autore	Acevedo Rogelio Daniel
Titolo	Geological Records of the Fuegian Andes Deformed Complex Framed in a Patagonian Orogenic Belt Regional Context // by Rogelio Daniel Acevedo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-00166-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (116 pages) : illustrations
Collana	SpringerBriefs in Earth System Sciences, , 2191-589X
Disciplina	551.8 558.276
Soggetti	Geology, Structural Sedimentology Structural Geology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1:Introduction -- 2:Background -- 3:The geological formations of the Mesozoic complex -- 4:The basic eruptive rocks of the Alvear and Sorondo ranges (Mount Olivia) -- 5:The Cretaceous layers younger than the Early Cretaceous -- 6:The estimated basement for the Fuegian Andes Mesozoic stratigraphic series and the rocks considered to be as of pre-Mesozoic age -- 7:A synthesis about the stratigraphic, formational problem -- 8:A simplified view about the Fuegian Andes and the complex folding of the Mesozoic and Early Tertiary units -- References.
Sommario/riassunto	The Fuegian Andes in Argentina show both simple and complex aspects. The first ones refer to the general stratigraphy of the area and the latter result from their tectonic characteristics. Concerning the stratigraphy, an appraisal of the denomination and valorization of formations of Jurassic and early Cretaceous age is performed here to reach the simple scheme of the Fuegian-Patagonian continuity under the name of "Fuegian Andes Deformed Complex". As an essay the formational nomenclature is simplified and the local concept of basement is evaluated. In relation to their structural aspects it is assumed that the formation of the orogenic Fuegian arc and the folding

of the Mesozoic and early Tertiary layers are connected phenomena. Tectonic forces from the West, the Northeast and the South have had participation in the formation of the tectonic arc. The lithostatic column pressure was added once the layers were folded and thrusted upwards during the birth of the Fuegian Andes. Even the speculation of a great main fold overturned to North, as an abstraction, is considered. Instead, the Magallanes-Fagnano fault is appreciated only as a product of the transcurrent Quaternary movements, lacking associated eruptive processes that contribute to define plate borders.

---