

1. Record Nr.	UNINA9910299456103321
Autore	Acevedo Rogelio Daniel
Titolo	Impact Craters in South America // by Rogelio Daniel Acevedo, Maximiliano C. L. Rocca, Juan Federico Ponce, Sergio G. Stinco
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-13093-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (108 p.)
Collana	SpringerBriefs in Earth System Sciences, , 2191-589X
Disciplina	523.4 551 551.41 910
Soggetti	Geomorphology Planetary science Geology Planetology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Argentina -- Bolivia -- Brazil -- Chile -- Colombia -- Paraguay -- Perú -- Uruguay -- Venezuela -- The Guianas -- South Pacific Ocean.
Sommario/riassunto	A complete and updated catalogue of impact craters and structures in South America from 2014 is presented here. Approximately eighty proven, suspected and disproven structures have been identified by several sources in this continent. All the impact sites of this large continent have been exhaustively reviewed: the proved ones, the possible ones and some very doubtful. Many sites remain without a clear geological "in situ" confirmation and some of them could be even rejected. Argentina and Brazil are leading the list containing almost everything detected. In Bolivia, Chile, Colombia, Guyana, Paraguay, Perú, Uruguay and Venezuela only a few were observed. Only Ecuador is waiting for new discoveries. So far, the largest well stated impact site is still the Araguinha structure in Brazil with its 40 kilometers in diameter. However, two possible impact structures are larger than

Araguainha: Malvinas, (with 250 kilometers in diameter) and Vichada in Colombia, (50 kilometers). This study also reports the existence of some Tertiary-Quaternary glassy impactite layers: the "escorias" and "tierras cocidas" of the pampas in Argentina.
