

Accepted Manuscript

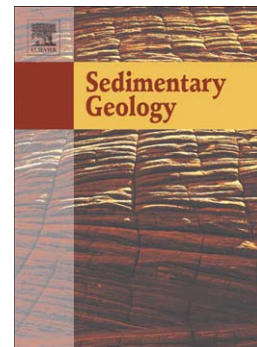
Aridification across the Carboniferous–Permian transition in Central equatorial Pangea: the Catalan Pyrenean succession (NE Iberian Peninsula)

Eudald Mujal, Josep Fortuny, Josep Marmi, Jaume Dinarès-Turell, Arnau Bolet, Oriol Oms

PII: S0037-0738(17)30247-6
DOI: doi:[10.1016/j.sedgeo.2017.11.005](https://doi.org/10.1016/j.sedgeo.2017.11.005)
Reference: SEDGEO 5262

To appear in: *Sedimentary Geology*

Received date: 24 June 2017
Revised date: 4 November 2017
Accepted date: 7 November 2017



Please cite this article as: Mujal, Eudald, Fortuny, Josep, Marmi, Josep, Dinarès-Turell, Jaume, Bolet, Arnau, Oms, Oriol, Aridification across the Carboniferous–Permian transition in Central equatorial Pangea: the Catalan Pyrenean succession (NE Iberian Peninsula), *Sedimentary Geology* (2017), doi:[10.1016/j.sedgeo.2017.11.005](https://doi.org/10.1016/j.sedgeo.2017.11.005)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Aridification across the Carboniferous–Permian transition in Central equatorial Pangea: the Catalan Pyrenean succession (NE Iberian Peninsula)

Eudald Mujal^{*a,b}, Josep Fortuny^{b,c}, Josep Marmi^b, Jaume Dinarès-Turell^d, Arnau Bolet^b, Oriol Oms^a

^a Departament de Geologia, Universitat Autònoma de Barcelona, E-08193 Bellaterra, Spain. e-mail addresses: eudald.mujal@gmail.com, joseporiol.oms@uab.cat

^b Institut Català de Paleontologia Miquel Crusafont, ICTA-ICP building, c/ de les columnes, s/n, E-08193 Cerdanyola del Vallès, Spain. e-mail addresses: josep.fortuny@icp.cat, josep.marmi@icp.cat, arnau.bolet@icp.cat

^c Centre de Recherches en Paléobiodiversité et Paléoenvironnements, UMR 7202 CNRS-MNHN-UPMC, Muséum national d'Histoire naturelle, 8 rue Buffon, CP38, F-75005 Paris, France.

^d Istituto Nazionale di Geofisica e Vulcanologia, Via di Vigna Murata 605, I-00143 Roma, Italy. e-mail address: jaume.dinares@ingv.it

*Corresponding author: E. Mujal, eudald.mujal@gmail.com

Abstract

The Carboniferous–Permian terrestrial successions record a global climatic shift from icehouse to hothouse conditions. Our multidisciplinary study documents an aridification trend throughout the ~1000 m thick composite terrestrial succession of the western Catalan Pyrenees (NE Iberian Peninsula), representing this time period. The detailed stratigraphic framework integrates sedimentology, paleopedology, biochronology (plant

Download English Version:

<https://daneshyari.com/en/article/8908569>

Download Persian Version:

<https://daneshyari.com/article/8908569>

[Daneshyari.com](https://daneshyari.com)