

IUGS Subcomm. Silurian Stratigraphy, Field meeting 1994; Bibl. Geol. B.-A., 30/1994, Vienna

**The *P. acuminatus* Biozone in the Silurian of Barrancos Region
(Ossa Morena Zone, South Portugal)**

J.M. Picarra¹, P. Storch², M.J.C. Gutierrez³ & J.T. Oliveira⁴

The graptolite assemblage indicating the basal Silurian *P. acuminatus* Zone has been found in the Barrancos region (south Portugal) in the Ossa Morena Zone.

Badly tectonized lydites intercalated by black shales and, in the lowermost part of the sequence, with subordinate sandy levels, yielded determinable graptolites: *Parakidograptus acuminatus*, *Normalograptus trifilis*, *Normalograptus cf. medius*, and *Neodiplograptus* sp. (aff. *elongatus*). Owing to the presence of *Normalograptus trifilis* the assemblage may be referred to about the middle of the *P. acuminatus* Zone.

This is the first record of the *P. acuminatus* Zone in Portugal and the third one in the whole Iberian Peninsula. Wherever the graptolites of the *P. acuminatus* Zone were found, they were either at shaly intercalation near the top of the underlying sandstone unit. Both the graptolite assemblage of the *P. acuminatus* Zone and the facies development of the earliest Silurian of Barrancos region can be well compared with the corresponding sections in Spain, Germany, Bohemia, Bulgaria, Albania, Serbia, and Sardinia.

¹ Instituto Geológico e Mineiro, Dep. de Geologia, Lisboa, Portugal

² Czech Geological Survey, P.O. Box 85, Praha 011, 118 21 Czech Republic

³ U.E.I. de Paleontología, Instituto de Geología Económica, (C.S.I.C.-U.C.M.), Madrid, Spain

⁴ Instituto Geológico e Mineiro, Dep. de Geologia, Lisboa, Portugal

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Berichte der Geologischen Bundesanstalt](#)

Jahr/Year: 1994

Band/Volume: [30](#)

Autor(en)/Author(s): Picarra J. M., Storch P., Gutierrez J.C., Oliveira J. T.

Artikel/Article: [The *P. acuminatus* Biozone in the Silurian of Barrancos Region \(Ossa Morena Zone, South Portugal\) 148](#)