

## Updated conodont biostratigraphy of the Rauchkofel Boden Section (Katian-Pragian), Carnic Alps, Austria

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The Rauchkofel Boden Section is one of the better known and most spectacular sections in the Carnic Alps. Located on the southern slope of Mt. Rauchkofel, the section exposes more than 65 m of rocks from the Upper Ordovician (Katian) to the Lower Devonian (lower Pragian) and represents a reference section for regional and supraregional studies.

Six formations (Wolayer, Kok, Cardiola, Alticola, Rauchkofel, La Valute and Findenig) are discriminated, representing an almost continuously exposed calcareous succession in which, however, significant portions of Hirnantian and Early Silurian strata are missing. The section is the stratotype of both the Wolayer Fm. and the La Valute Fm.

More than 170 conodont samples provided a detailed conodont biostratigraphy. In terms of conodont zonation, all the Ordovician part of the Rauchkofel Boden Section (Wolayer Fm.) is referred to the *Am. ordovicicus* Zone. The Kok Fm. represents here a very condensed sequence, ranging from the *Pt. amorphognathoides* Zone to the *A. ploeckensis* Zone. However, a few hiatuses cannot be excluded within the Wenlock. The Cardiola Fm. corresponds to most of the *P. siluricus* Zone. The Alticola Fm. ranges from the upper part of the *P. siluricus* Zone to the lowermost part of the *I. hesperius* Zone, and includes in its uppermost part the Silurian/Devonian boundary. Conodont diversity and abundance are very low in the Pridoli part of the unit. The Rauchkofel Fm. appears very condensed and limited to most of the *I. hesperius* Zone to part of the *A. carlsi* Zone. The La Valute Fm. ranges from the *A. carlsi* Zone to the *Pe. gilberti* Zone (top of the Lochkovian). Conodonts are quite scarce in the uppermost part of this unit and in the succeeding Findenig Fm., and the Lochkovian/Pragian boundary is located thanks to the occurrence of *Novakia acuaria* at the base of the Findenig Fm. Within this unit, the *I. steinachensis* and the *Pe. serratus* Zones are documented.



**International Geoscience Programme  
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‘The Early to Mid Palaeozoic Revolution’  
Ghent University  
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jointly with: The International Subcommittee on Cambrian Stratigraphy (ISCS)  
The International Subcommittee on Ordovician Stratigraphy (ISOS)  
The International Subcommittee on Silurian Stratigraphy (ISSS)  
The International Subcommittee on Devonian Stratigraphy (ISDS)  
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***Closing Meeting ABSTRACTS***

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## ***Abstracts***

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