



Blue minerals and blue rocks: From minerals to models

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and by Zoom <https://stockholmuniversitet.zoom.us/j/68775095935>.

The blue amphibole glaucophane is considered as indicative of blueschist-facies metamorphism. However, blue amphiboles display a large range in chemical compositions. Therefore, the whole-rock composition strongly controls the stability field of the sodic amphiboles at the transition from greenschist- to blueschist-facies conditions. This talk explores (i) the mechanisms that control the development of sodic amphibole within the Dent Blanche Tectonic System (Alps), as a result of the Alpine metamorphic history and (ii) how the chemistry of the blue amphibole changes with pressure, temperature and oxidation conditions.

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