

Accepted Manuscript

Pluton construction and deformation in the Sveconorwegian crust of SW Norway: magnetic fabric and U-Pb geochronology of the Kleivan and Sjelset granitic complexes

Olivier Bolle, Hervé Diot, Jacqueline Vander Auwera, Aliou Dembele, Jasmine Schittekat, Simo Spassov, Maria Ovtcharova, Urs Schaltegger

PII: S0301-9268(17)30421-7
DOI: <https://doi.org/10.1016/j.precamres.2017.12.012>
Reference: PRECAM 4957

To appear in: *Precambrian Research*

Received Date: 20 July 2017
Revised Date: 28 November 2017
Accepted Date: 4 December 2017

Please cite this article as: O. Bolle, H. Diot, J.V. Auwera, A. Dembele, J. Schittekat, S. Spassov, M. Ovtcharova, U. Schaltegger, Pluton construction and deformation in the Sveconorwegian crust of SW Norway: magnetic fabric and U-Pb geochronology of the Kleivan and Sjelset granitic complexes, *Precambrian Research* (2017), doi: <https://doi.org/10.1016/j.precamres.2017.12.012>

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.



**Pluton construction and deformation in the Sveconorwegian crust of SW Norway:
magnetic fabric and U-Pb geochronology of the Kleivan and Sjelset granitic complexes**

Olivier Bolle ^{a, *, 1}, Hervé Diot ^b, Jacqueline Vander Auwera ^a, Aliou Dembele ^a, Jasmine Schittekat ^{a-c}, Simo Spassov ^d, Maria Ovtcharova ^e and Urs Schaltegger ^e

^a *Département de Géologie, Université de Liège, Allée du Six Août 12, 4000 Sart Tilman, Belgium*

^b *UMR-CNRS 6112, Laboratoire de Planétologie et Géodynamique, Université de Nantes, Rue de la Houssinière 2, 44322 Nantes Cedex 3, also Faculté de Sciences et Technologie, Université de La Rochelle, Avenue M. Crépeau, 17402 La Rochelle Cedex 1, France*

^c *SGS Belgium NV, Parc Créalys, Rue Phocas Lejeune 4, 5032 Gembloux, Belgium*

^d *Centre de Physique du Globe, Institut Royal Météorologique, Rue du Centre de Physique 1, 5670 Dourbes, Belgium*

^e *Département des Sciences de la Terre, Université de Genève, Rue des Maraîchers 13, 1205 Genève, Switzerland*

Submitted to Precambrian Research

Abstract

The Kleivan and Sjelset granitic complexes are two composite plutons, containing both orthopyroxene and biotite ($\pm$ hornblende) facies, emplaced in the Sveconorwegian

Download English Version:

<https://daneshyari.com/en/article/8912667>

Download Persian Version:

<https://daneshyari.com/article/8912667>

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