

The Center for Hydrogeology and Geothermics of the University of Neuchâtel (CHYN) is advertising a position of

Research Assistant and PhD Candidate in Monitoring and Analysis of Subsurface Fluid Injections Using Inclinometry

This research is part of the development of deep geothermal energy and CO₂ storage projects involving the injection of fluids at depth. Its objective is to enhance our ability to monitor subsurface responses during such projects and to improve the characterization of deep reservoirs. In this context, monitoring subtle subsurface deformation using inclinometry represents a potential approach that will be tested and evaluated as part of this research project.

Requirements

- MSc in Earth Sciences, Civil Engineering, Applied Physics, or an equivalent field.
- A strong scientific background and in-depth knowledge of rock mechanics and reservoir characterization are required.
- Experience in the acquisition and interpretation of field data is considered an asset.
- Strong written communication and scientific writing skills in English are required.
- Proficiency in spoken French is considered an asset.

The position is expected to last approximately three years and may be filled by the successful candidate from the beginning of 2027.

The CHYN offers a stimulating research environment with approximately 50 collaborators. The candidate will have access to a comprehensive pool of field and laboratory equipment, technical support staff, and computing facilities. More information on ongoing projects can be found on the [CHYN](http://www.unine.ch/chyn) website.

Application deadline: **October 11th, 2026**

Application materials should include: (1) a cover letter; (2) a curriculum vitae (CV); (3) copies of awarded degrees; (4) transcripts for BSc and MSc coursework; (5) if available, digital copies of the BSc and MSc thesis reports; and (6) contact details for two referees. Applications must be submitted by email with the subject line "[Application_PhD Tilt:] Your Name" to Application.CHYN@unine.ch as a single PDF file no later than October 11th 2026.

Further information can be obtained from Prof. Benoît Valley at benoit.valley@unine.ch or by visiting the website www.unine.ch/chyn.

Committed to promoting diversity among its staff, the University of Neuchâtel is dedicated to providing non-discriminatory working conditions.

