

*Recruitment of permanent researchers in biogeochemistry and hydrology
at French National Centre for Scientific Research (CNRS), ITES (Strasbourg, France)*

The French National Centre for Scientific Research (CNRS) is among the world's leading research institutions. CNRS recruits permanent researchers through yearly competitive examinations (<https://www.cnrs.fr/en/competitive-entrance-examinations-researchers-womenmen>). Open in December 2023 to all fields of science, the competitive examinations are divided into sections of the National Committee for Scientific Research (CoNRS). The deadline for applications is early January 2023. The competition is open to all nationalities. Holders of a doctorate, PhD or other foreign degrees, titles or equivalent research may apply to several types of positions (researcher, research director), depending on their experience.

A successful candidature of CNRS researcher (CRCN) typically features (i) an excellent/exceptional publication record in high-level journals of the field, (ii) an international experience with fruitful collaborations, (iii) a clearly original research project that is not redundant but complementary to existing research in the host lab, (iv) a demonstrated experience of autonomous research (several publications without the thesis advisors), and (v) a few (3-8) years of productive post-doc research. The recruitment entails two phases. The candidate first submits an application stating past research activities and a detailed original research project. The candidates are evaluated by a jury for each CNRS sections. The retained candidates (20 to 30 %) are then invited in spring for an oral presentation (10 to 15 minutes) to expose their current and future research and discuss with the jury.

Prior to this process, the candidate is strongly encouraged to contact as soon as possible the French research laboratory they plan to join in order to prepare her/his application. Our laboratory, Earth & Environment Strasbourg (ITES/EES, UMR7063, CNRS/University of Strasbourg, France, <https://ites.unistra.fr/>), focuses, among others, on scientific themes defined by the [Section 30 'Continental Surface and Interfaces'](#) of the CoNRS, namely : - Processes of the critical zone and subsurface at any time scale ; transfers and flows of matter and energy, hydrology, weathering and erosion and - Biogeochemistry and physical-chemistry of interfaces, cycles of elements. ITES is a leading competence center for characterization and modelling of matter flows and reactive transport in continental hydrosystems.

We are seeking to help creative, talented and motivated candidates to apply to the CNRS competition and strengthen our team in the following domains: fundamental and environmental continental biogeochemistry (e.g., surface/groundwater exchanges,

functioning of soil/minerals/sediment/microorganisms/water interfaces, soil/water/atmosphere exchanges, microbial functions in polluted environments), stable isotopes (e.g., SOM/DOM, compound-specific, H₂O), (micro)pollutant transport and transformation (e.g., biotic/abiotic transformation in soil/sediment/water/atmosphere), catchment hydrology in agricultural contexts (residence times, trajectories, quantitative/qualitative evolution, climate impacts) and/or geomicrobiology (e.g., organic matter transformation, water and soil/sediment geomicrobiology). in Interdisciplinary candidatures (Section 52 CoNRS) clearly combining human and biogeophysical sciences to resolve social issues related to the water cycle and/or agricultural pollution are also welcome.

If you wish to apply and join us, **please contact us and send a pre-selection file until November 05 2023** including:

- A *curriculum vitae* detailing your past research experiences, diplomas and an exhaustive list of your scientific productions (publications, seminars, oral contributions to national/international conferences, awards, etc.).
- A two pages description of the research project you would like to develop in our lab if you are recruited. The project must be in line with one or more of the themes of [Section 30](#) listed above and should be relevant, complementary to research activities at ITES (do not hesitate to contact us in that respect) and possibly hold the potential for a European 'ERC starting grant' project within the next 1 to 4 years.

Following the examination of your file, we will contact you as soon as possible in order to prepare with you, if the quality of your records allows it, the CNRS competition.

The deadlines to prepare - *with the help of ITES members* - your CNRS application 2024 are as follows:

- Check: <https://www.cnrs.fr/en/competitive-entrance-examinations-researchers-womenmen>
- Sending **until November 05, 2023**. your pre-selection file to the laboratory by e-mail (imfeld@unistra.fr)
- After a positive evaluation of your application, you will have to elaborate a complete research project with the help of the laboratory members and submit it (together with a ca. 10 pages summary of your past research experience and scientific results) **beginning of January 2024**;
- If you are deemed eligible by [Section 30](#) of the CoNRS, and invited for an oral presentation (decision communicated in February, oral session takes place in **March 2024**, in Paris), we will help you to prepare the oral competition.