

SECTION 17

Solar system and distant universe

Criteria for quality research

The quality of the research work is evaluated by various criteria concerning, among other things, the originality of the work carried out, creativity, collaborations and risk-taking.

The following are guarantees of quality:

- skills, scientific expertise, methodological expertise,
- creativity and impact of the work,
- potential for innovative research over time,
- originality and relevance of scientific orientations,
- efficiency in collaboration and supervision of young colleagues,
- ability to initiate and/or to lead projects,
- leadership for the benefit of the community.

These criteria are neither exhaustive nor constraining, as the diversity of scientific profiles plays an important role in quality collective research. A career can be marked by phases of varied activities or, on the contrary, be homogeneous over time.

Recruitment criteria

CRCN researchers

Candidates for a CR position must be able to demonstrate:

- the quality of their scientific production and the scope of their results (publications, development and open access of tools, methodological or instrumental development) as well as their capacity to pursue innovative and quality research,
- their autonomy, long-term vision, and perspective on their research field,
- the scientific relevance of the research project, and the positioning of this project in the French scientific landscape.

In addition to these three main criteria, we encourage the applicants to describe their activities of scientific outreach and organization, dissemination and valorization, supervision, teaching, or any other activities that benefit the research community.

The assessment of these criteria is open, non-exclusive, non-hierarchical and not strictly cumulative; they are modulated according to the progress in the career.

DR2/DR1 researchers

Candidates for a DR position must distinguish themselves by the scope of their work, scientific stature, and international influence. They must have demonstrated creativity and relevance in their scientific career-path, and must have assumed responsibilities for the benefit of the community, in which they play a structuring role.

Advancement

CRHC researchers

The promotion to the CRHC level sanctions the quality of the work and its influence, as well as its scientific maturity. The latter can be expressed in various ways, by taking on responsibilities, investing in the global organization of the discipline, developing tools for the benefit of the community, valorization, teaching and supervision.

DR1/DRCE researchers

A candidate for such a promotion must be distinguished by the particular quality of his or her work and its scope, by his or her scientific stature and by his or her involvement in the community. The Section will take into account elements measuring the scope of a career, in addition to the elements developed since the previous promotion: scientific influence, teaching and supervision of young colleagues over time, valorization, major contribution to the discipline, structuring role, coordination of projects, significant collective responsibilities.

Application files and oral presentations

In order to allow a fair and efficient reading of their application by the members of the Section, we strongly recommend to:

- build a dossier that concisely and relevantly highlights the main research themes, the methods or techniques used, the main results, the strong and salient points of the dossier,
- make sure to provide, especially in the case of work within a large consortium, all the elements that will allow to judge the contribution of the candidate to the advancement of knowledge, to the creation of new tools/methods and to the collective tasks necessary for the good functioning of the research.

The quality of the oral presentation is judged on the basis of the qualities expected of any scientific presentation: the information is put into context and prioritized, the personal contribution to the research is emphasized and the presentation of the project carries a clear and ambitious vision of the future.

Evaluation of units

The evaluation of units goes hand in hand with the evaluation of researchers: the section does not evaluate a unit without taking into account its members, and does not evaluate CNRS researchers without taking into account the work environment that is the unit. The section pays attention to various elements:

- The unit's strategy and its ability to implement it,

- Synergies generated by the laboratory,
- Management of the scientific, technical and administrative staff,
- Quality of the working environment for the staff,
- Use of the laboratory's resources and equipment,
- Functioning of the internal authorities,
- Organization of the management,
- Quality of external collaborations and invitations,
- Dynamism of the laboratory,
- Involvement in training, support for young doctors,
- Involvement in teaching,
- Dissemination of scientific culture,
- Actions of valorization.