

University of Rijeka
Center for Advanced Computing and Modelling

The Regulations on Operation and Usage
HPC Bura

CNRM

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1 Basic provisions

Article 1.

HPC Bura (hereinafter referred to as Bura) is the central supercomputing resource of the University of Rijeka, designed to perform complex and computationally intensive calculations. Bura is located on the premises of the Center for Advanced Computing and Modelling (hereafter CNRM, Center), which is located in the building of the departments of the University of Rijeka, Radmila Matejčić 2, Rijeka. The Bura supercomputer is managed by the Centre's staff.

Article 2.

The central portal with essential information is accessible at the web address <https://cnrm.uniri.hr/>. The portal publishes official documents, general information, news and instructions related to the use of the supercomputing environment.

Article 3.

Critical system information and administrator messages are communicated directly to users through registered email addresses. The contact email address for all inquiries is hpc@uniri.hr. For specific and targeted inquiries, users can contact the centre staff directly.

Article 4.

This regulation governs the structure and operation of Bura, as well as the basic rights and obligations of all users.

2 Right of use

Article 5.

All employees of the University of Rijeka have the right to use supercomputing resources. The validity of an activated user account is permanent and expires upon termination of employment. At the request of a mentor, a project lead, or a relevant university official, the right of use may be granted to students for a period of one year (12 months). Depending on the needs and justification of the request, the period of use may be extended at the request of the responsible person.

Article 6.

All stakeholders from the scientific and higher education system who are not affiliated with the University of Rijeka have the right to access supercomputing resources. The following rules apply

to external users from the scientific and higher education system who are not affiliated with the University of Rijeka:

- the period of use is limited to 6 months
- the purpose of the resource use must be justified, but is not a limiting factor for the allocation of access
- the simultaneous use of computing resources is limited to a maximum of 20 cluster nodes, whereby the uninterrupted duration of the individual calculations may not exceed 7 days.

The above rules and limits may be changed; however, the reasons and needs for exceeding them must be explained and communicated to the centre staff. CNRM staff have discretionary authority to accept explanations and increase the limit.

Article 7.

The right of use for commercial users and paying users from the academia is governed by the corresponding agreements between the university and third parties. These users have priority access to computing resources.

Article 8.

The request for access to the supercomputing resources is submitted by the prospective user (or the person responsible). The following information should be provided with the application:

- Full name and affiliation
- Purpose/reason for the request
- Contact email address

The request for access can be submitted:

- By email to **hpc@uniri.hr**
- Via the web portal **<https://cnrm.uniri.hr/>**
- By contacting the centre's staff directly.

The centre staff will respond to your request as soon as possible.

Article 9.

After expiration of the usage rights, users will be denied access to Bura and the user account itself will be deleted after 12 months. During this period, access to personal files is allowed for the purpose of making backup copies.

3 User Responsibilities

Article 10.

Users commit to using Bura in accordance with the fair play concept and the conditions set out in this regulation.

Article 11.

Users commit to using the allocated resources only for the purpose defined in the request.

Article 12.

All users who access Bura based on affiliation with the University of Rijeka commit not to use the allocated resources for commercial purposes, except when they have an approval or when the purpose is of strategic importance to the University. If a serious violation of this rule is detected, the centre staff will permanently disable the user's access to Bura.

Article 13.

Users from the academia who access Bura based on their academic affiliation may not use the allocated resources for commercial purposes. If a serious violation of this rule is detected, the centre's staff will permanently disable the user's access to Bura.

Article 14.

Users commit to announcing all computations that exceed 7 days in duration or computations that require more than 20 nodes and last more than 2 days. An announcement can be made through the web portal or by direct contact with the centre's staff. Center staff have discretionary authority to accept explanations and increase the limit.

Article 15.

Users commit to storing and retaining only the essential applications and data necessary for the computations on Bura. Users commit to removing all unnecessary data as soon as possible. Bura cannot be used as an archival system and CNRM is not responsible for any loss of data in this context.

Article 16.

Users agree to acknowledge the use of the resources allocated in scientific publications.

Article 17.

Users defined in Article 6 can extend their allocated usage period if they have contributed to the popularisation of Bura and HPC by expressing their thanks in published works. In such cases, the usage period may be extended by 6 months, depending on the dynamics of resource demand.

Article 18.

In the event of noncompliance with the obligations, CNRM may temporarily deny the user's right to use Bura. In case of repeated violations, CNRM may permanently deny the user's right to use Bura. This also applies to any other activities that may cause difficulties or disruptions in the operation of the system.

4 Responsibilities of CNRM

Article 19.

Users are responsible for the installation and maintenance of their own applications if these are not part of the standard software support. CNRM will provide support to users in installing applications within the limits of available technical and human resources.

Article 20.

CNRM reserves the right to prioritise users, e.g., in the event of co-financing of resources.

Article 21.

CNRM reserves the right to deny access to parts of the system due to testing, debugging, upgrades, maintenance workshops, etc.

Article 22.

CNRM reserves the right to perform security monitoring to prevent security incidents. In case of unauthorised use, security breaches, or other incidents, CNRM will notify the user and, if necessary, request additional information or action from the user to maintain system integrity and protect other users.

Article 23.

If, during the launch of an application or the execution of a calculation, a user reserves a disproportionate amount of resources or jeopardises system stability, CNRM reserves the right to stop the problematic process or application. CNRM will inform the user about the measures taken.

Article 24.

The user data belongs to the Bura user. CNRM will take all necessary measures to protect user data from unauthorised access.

5 Protection of Personal Data

Article 25.

The personal data collected during the application process will not be transferred to third parties and will only be used to communicate with users and monitor their use of Bura.

Article 26.

CNRM retains personal data of users submitted during the application process for 24 months after expiration of the user status.

6 Final provisions

Article 27.

The interpretation of the provisions of this regulation falls under the authority of CNRM. The terms referring to individuals in this regulation apply to both male and female persons.