Criteria for consortia simulations

(Approved by the scientific steering committee (SSC/WLA) in 01/2024)

The following criteria have to be met for a consortia simulation:

1. The simulations have to be the basis for comprehensive national or international research projects. To coordinate the calculations, consensus within the respective research community has to be reached and documented (e.g. through a workshop).

2. The applicants must clearly indicate to the SSC (WLA) that there is a 'broad' consensus for the simulations, that the simulations represent a national task and that the scope of the computations justifies the use of the HLRE.

3. Criteria for programs/models:

- The programs/models have to be publically available in an executable version and have to be tested

- The programs/models have to be validated

- The programs have to be documented

- The programs have to be optimized for the intended computers

- A responsible contact person has to be designated by the program creator

4. The simulations are carried out by the applicant, supported by the DKRZ and with the resources of DKRZ.

5. The data has to be publicly and immediately available and has to be cited in accordance with the DKRZ criteria for data publication.

6. The SSC (WLA) decides on the allocation of resources, taking into account the needs of DKRZ normal operations.

7. Application, implementation and results are documented by the applicant and shared on the DRZK website (dkrz.de).

8. A consortia project lasts for a maximum term of 5 years. After this, the project is generally converted into a data project. However, if further computing time is required, a follow-up application can be submitted and presented at the next SSC (WLA) meeting.