PROPOSAL FORM FOR CSC GRAND CHALLENGE PROJECT

1/2017

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Project title

Project acronym

Principal investigator

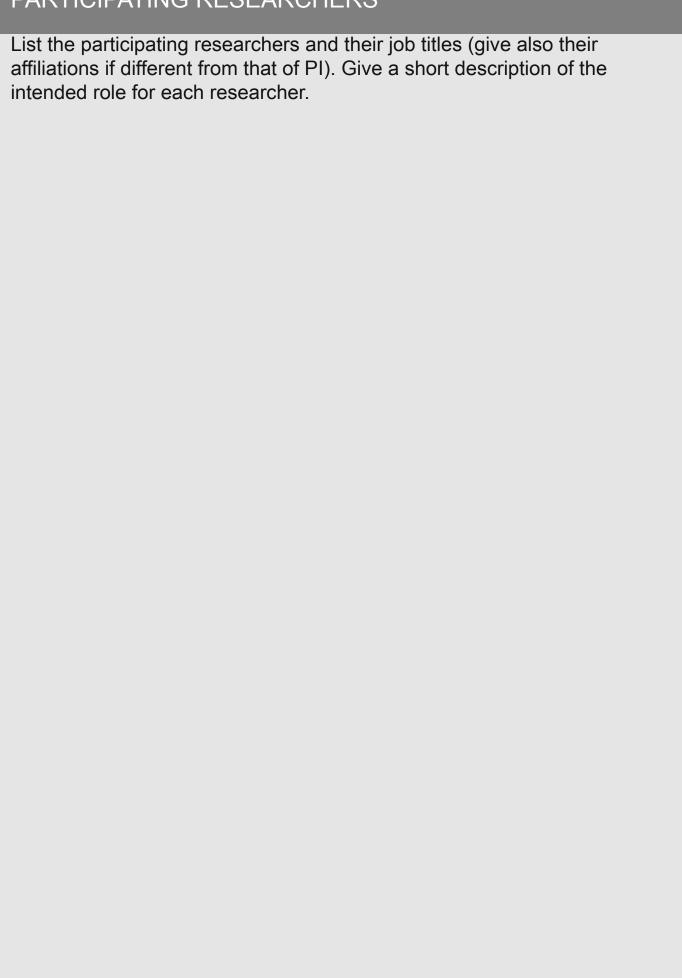
Affiliation

Email address

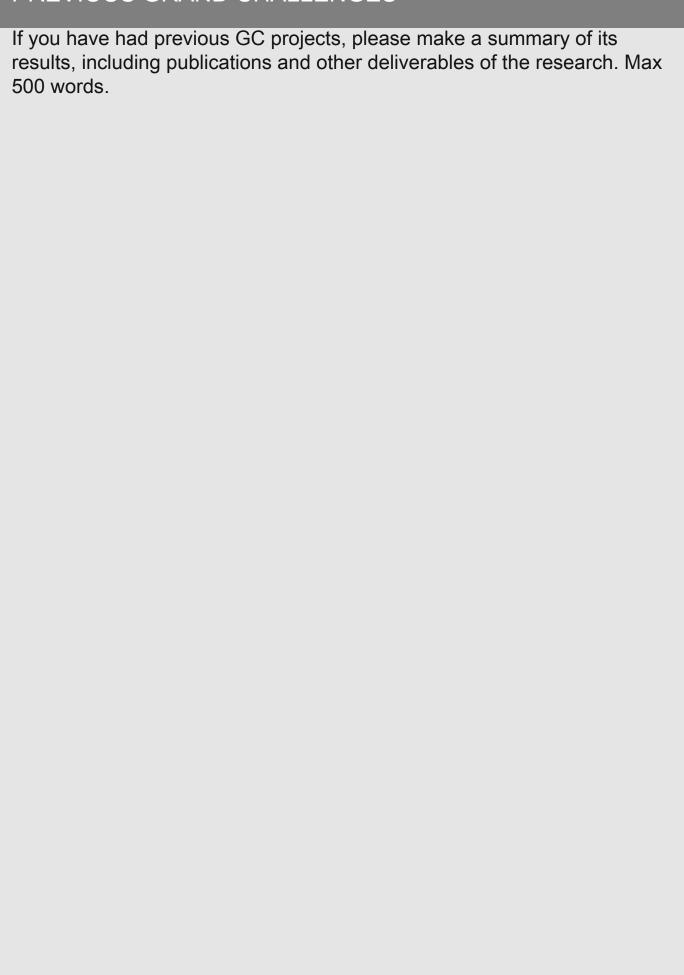
Public abstract

CSC will use this abstract (with some other basic information, such as the size of the project) when publishing the selected proposals. Max 200 words.

PARTICIPATING RESEARCHERS



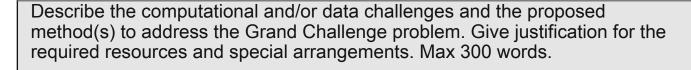
PREVIOUS GRAND CHALLENGES



SCIENTIFIC OBJECTIVES

A description of the Grand Challenge and its relevance. Describe the novelty and possible impact. Describe the added value of a GC project (in comparision to a standard project). The description must be concrete and well-defined and address a specific unresolved scientific problem. Max 500 words.

CHALLENGES AND METHODS



SOFTWARE AND SCALABILITY

The required software and its scalability. Give details on how far the software scales and the systems it has been tested on. Describe also the previous usage of the software within the project group. Max 200 words.

REQUIRED RESOURCES

Fill in the estimated resource requirements where applicable.

Cpu time Cpuh

Size of parallel jobs min max cores

Number of simultaneous serial jobs

Min. memory requirements GB per core

Runtime data storage TB

requirements

Data storage requirements TB for the duration of the project

Archival requirements TB

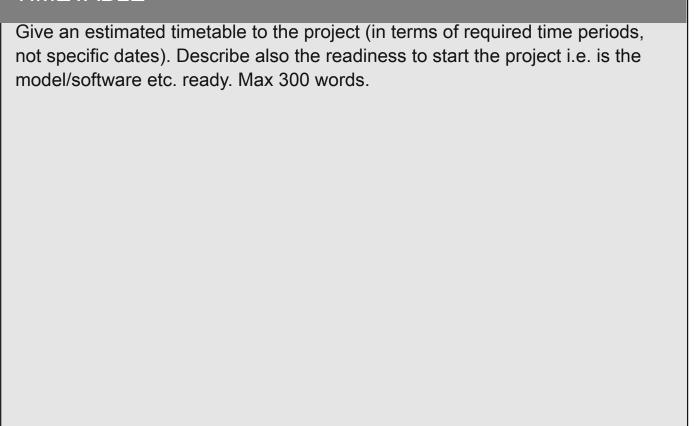
Database requirements

Network requirements for data transfer from/to CSC's systems

Preferred system Sisu Taito cPouta ePouta

Additional notes, including the need for human resources for porting, optimizing, data analysis etc.

TIMETABLE



REFERENCES

List the most relevant references produced by the participating groups.