ARIS Project Access Application Form

* Required

General Information

1. **Project name** *

2. **Project Acronym** *

3. **Research Field** *
   Mark only one oval.

   - ◯ Economics, Finance and Management
   - ◯ Linguistics, Cognition and Culture
   - ◯ Biochemistry, Bioinformatics and Life sciences
   - ◯ Physiology and Medicine
   - ◯ Mathematics and Computer Sciences
   - ◯ Fundamental Constituents of Matter
   - ◯ Chemical Sciences and Materials
   - ◯ Engineering
   - ◯ Universe Sciences
   - ◯ Earth System Sciences
   - ◯ Other:

Detailed Project Document

Please fill the detailed project document "Document template" and upload your file here.

Document template

https://www.dropbox.com/s/z3z6pom4nauw07f/detailed%20project%20document.doc?dl=0

Upload File

https://www.dropbox.com/request/cTFyvRgcwUb0WQOppF7Z

Project Leader – Primary Investigator

Personal data and contact

4. **First Name** *

5. **Last Name** *

6. **Title** *

7. **Gender (Male/Female)** *
   We require declaration of your gender for statistical reasons only
   Mark only one oval.
   - Male
   - Female

8. **Date of Birth** *
   Example: December 15, 2012

9. **Nationality**

10. **E-mail** *
    Please double check you e-mail for correctness so that we can reach you

11. **Phone number** *

Organisation and job title

12. **Position held** *
    i.e. Professor, scientific collaborator, project manager

13. **Organization Name** *

14. **Department** *

15. **Group** *

16. **Street Address** *

17. **City** *

18. **Postal Code** *

19. **Country** *
Check all that apply.

- [ ] Greece

20. **Do you want to add a Collaborator ?** *
Mark only one oval.

- ( ) Yes
- ( ) No *Skip to question 106.*

Abstract of the project

21. **If the project is successful this will be published on GRNET's website unless you mark it as confidential below. Please make this summary understandable to a general audience. (Maximum 500 words)**

22. **Recent bibliographic references that are relevant to the project**

Codes and computational resources requested

This section is used for providing information for each of the codes (applications), self-made or 3rd party based that you would like to use and their resource requirements.
If multiple codes are to be used, please give the specifications for each of them.

23. **Number of total core hours required to run all the codes (hours)** *

24. **Number of jobs that can run simultaneously, i.e do not depend on each other**

25. **Wall clock time of a typical job execution (in hours)**

26. **Are you able to write checkpoint**
Mark only one oval.

- Yes
- No

27. **Maximum time between 2 checkpoints (hours)**

Expected job size (number of cores) and job memory (total memory usage over all cores of jobs)

Please fill in the required information for the expected minimum, average and maximum job size.

28. **Minimum (number of cores)** *

29. **Minimum (total memory usage)** *

30. **Average (number of cores)** *

31. **Average (total memory usage)** *

32. **Maximum (number of cores)** *

33. **Maximum (total memory usage)** *

Storage

Maximum amount of data needed at a time.

34. **Total storage (scratch) - scratch files during simulation, log files, checkpoints (GB)**

35. **Total storage (work) - result and large input files (GB/TB)**

36. **Total storage (home) - source code and scripts (GB/TB)**

37. **Maximum number of files to be stored. (scratch) (Mio: Millions)**

38. **Maximum number of files to be stored. (work) (Mio: Millions)**

39. **Maximum number of files to be stored. (home) (Mio: Millions)**

Data transfer

40. **Total ammount of data to be transferred to/from the production system (GB)**

41. **Describe your strategy concerning the handling of data (pre/post processing, transfer of data to/from the production system, retrieving relevant data for long-term). In case the amount of data to be transferred is of the order of tens of TB, Justify it and explain how you plan to manage it (Maximum 500 words) :**

I/O

42. **Please describe the I/O strategy of the code (for example usage of I/O libraries, MPI I/O, netcdf, HDF5 or other approaches). Be aware that I/O has to be adequately managed for highly parallel applications on Tier-1 systems, especially in case of I/O intensive applications, i.e. that need to read and/or write frequently from/to disk during a job. In general serial I/O for large amount of data is not suitable for the system :**

43. **I/O data traffic (read and write) per hour for typical production job (GB)**

44. **Number of files generated per hour for typical productions job**

Describe what work has already been done to develop the codes

This should include the following: describing the main algorithms, how they have been implemented and
parallelized, and their main performance bottlenecks and the solutions to the performance issues you have
considered. For each code that needs to be optimized, please provide the details listed below.

45. **Name and version Webpage and other references. Licensing model. Contact information of the code developers. Your relationship to the code (developer, collaborator to main developers, end user, etc.).**

.....

.....

.....

.....

.....

Further Details

46. **Discuss the routes that you will use for dissemination of the project and for any appropriate knowledge transfer. This should include any resources that you will beusing to support this. (500 words)**

.....

.....

.....

.....

.....

Confidentiality

47. **Is any part of the project covered by confidentiality ?**
Mark only one oval.

- ◯ YES
- ◯ NO

48. **If YES, specify which aspect is confidential and justify (Maximum 500 words):**

.....

.....

.....

.....

.....

49. **Do you have any other support for this application e.g. from your national funding council, the EC or international collaborations? Please give details of this below:**

.....

.....

.....

.....

.....

Powered by
Google Forms