Application for projects involving industry - Pilot Call

* Required

1. **Email address** *

2. **Project Acronym** *

3. **Project Title** *

4. **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
   - ◯ Chemical Sciences and Materials
   - ◯ Engineering
   - ◯ Other:

Project Leader – Primary Investigator

5. **First Name** *

6. **Surname** *

7. **Scientific title (Dr., Prof., ...)** *

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

9. **Nationality** *

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

11. **Phone number** *

Organization

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

13. **Organization Name** *

14. **Group** *

15. **Department** *

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 99.*

Collaborator 1

21. **First Name** *

22. **Surname** *

23. **Scientific title (Dr., Prof., ...)** *

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

25. **Nationality** *

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

27. **Phone number** *

Organization

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

29. **Organization Name** *

30. **Group** *

31. **Department** *

32. **Street Address** *

33. **City** *

34. **Postal Code** *

35. **Country** *

36. **Do you want to add another Collaborator ?** *
Mark only one oval.
- Yes
- No *Skip to question 99.*

Collaborator 2

37. **First Name** *

38. **Surname** *

39. **Scientific title (Dr., Prof., ...)** *

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

41. **Nationality** *

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

43. **Phone number** *

Organization

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

45. **Organization Name** *

46. **Group** *

47. **Department** *

48. **Street Address** *

49. **City** *

50. **Postal Code** *

51. **Country** *

52. **Do you want to add another Collaborator ?** *
    Mark only one oval.
    - ◯ Yes
    - ◯ No *Skip to question 99.*

Collaborator 3

53. **First Name** *

54. **Surname** *

55. **Scientific title (Dr., Prof., ...)** *

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

- ◯ Male
- ◯ Female

57. **Nationality** *

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

59. **Phone number** *

Organization

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

61. **Organization Name** *

62. **Group** *

63. **Department** *

64. **Street Address** *

65. **City** *

66. **Postal Code** *

67. **Country** *

68. **Do you want to add another Collaborator ? ***
Mark only one oval.

- ◯ Yes
- ◯ No *Skip to question 99.*

Collaborator 4

69. **First Name ***

70. **Surname ***

71. **Scientific title (Dr., Prof., ...) ***

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

- ◯ Male
- ◯ Female

73. **Nationality ***

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

75. **Phone number ***

Organization

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

77. **Organization Name ***

78. **Group ***

79. **Department** *

80. **Street Address** *

81. **City** *

82. **Postal Code** *

83. **Country** *

84. **Do you want to add another Collaborator ?** *
Mark only one oval.

- Yes
- No *Skip to question 99.*

Collaborator 5

85. **First Name** *

86. **Surname** *

87. **Scientific title (Dr., Prof., ...)** *

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

- Male
- Female

89. **Nationality** *

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

91. **Phone number** *

Organization

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

93. **Organization Name** *

94. **Group** *

95. **Department** *

96. **Street Address** *

97. **City** *

98. **Postal Code** *

99. **Country** *

Project Data

100. **Summary of the project** *
    To be published in hpc.grnet.gr or other GRNET websites if the proposal is accepted. Maximum 500 words.

101. **Detailed Description and Scientific case of the project** *

Provide a detailed description of the aims and objectives of the project and the scientific case for which you intend to use the code(s). Maximum 1000 words.

102. **Description of the technical solution and main algorithms used to solve your problem. Why your problem needs HPC?** *

Please provide the details necessary to explain why your solution requires the use of HPC resources provided by ARIS

103. **Dissemination Methodology** *

Please provide a plan for disseminating your work, i.e. provide us with a list of targeted publications, conference or other mean to publish your work.

104. **Confidentiality** *

Is any part of the project covered by confidentiality? If YES, please specify which aspect is confidential and justify

Skip to question 112.

Requested Resources

Computer resources requested

105. **Type of Computational Resources Required** *

Check all that apply.

- [ ] Access to Thin Nodes
- [ ] Access to Fat Nodes
- [ ] Access to GPU Nodes
- [ ] Access to Intel Xeon Phi Nodes

106. **CPU Core Hours Required in the Thin Nodes island** *

Fill in this question only if you have selected Thin Nodes in the question above. Only numbers are accepted here as valid answers. Only available during the duration of the preparatory access project. The maximum amount of core hours (accounted in CPU core hours) that can be requested for this type of nodes is 100.000. The total amount of core hours requested in all types of nodes should not exceed 100.000.

107. **CPU Core Hours Required in the Fat Nodes island** *

Fill in this question only if you have selected Fat Nodes in the question above. Only numbers are accepted here as valid answers. Only available during the duration of the preparatory access project. The maximum amount of core hours (accounted in CPU core hours) that can be requested for this type of nodes is 100.000. The total amount of core hours requested in all types of nodes should not exceed 100.000.

108. **CPU Core Hours Required in the GPU Nodes island** *

Fill in this question only if you have selected GPU Nodes in the question above. Only numbers are accepted here as valid answers. Only available during the duration of the preparatory access project. The maximum amount of core hours (accounted in CPU core hours) that can be requested for this type of nodes is 50.000. The total amount of core hours requested in all types of nodes should not exceed 100.000.

109. **CPU Core Hours Required in the Intel Xeon Phi Nodes island** *

Fill in this question only if you have selected Intel Xeon Phin Nodes in the question above. Only numbers are accepted here as valid answers. Only available during the duration of the preparatory access project. The maximum amount of core hours (accounted in CPU core hours) that can be requested for this type of nodes is 50.000. The total amount of core hours requested in all types of nodes should not exceed 100.000.

110. **Expected typical job size (number of cores, for a single job)** *

111. **Maximum job memory requirements (total memory in MB per core)** *

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

Skip to question 116.

Code(s) details

Please provide the details listed below for the simulation / application codes you intend to use. Please note that ARIS runs EL6 x86_64 Linux and only applications available on this architecture/OS may be accepted.

113. **Names and versions** *

114. **Webpage or other references** *

115. **License** *

If the code is open source please, fill out open source for this query. Note that GRNET can not provide any commercial license. In this case you should own a valid license.

116. **Describe the Parallelisation Method of the applications/codes (i.e. MPI, OpenMP, CUDA, other)** *

Skip to question 104.

Overall data requirements

117. **Please provide the amount of data in GBytes that need to be remotely transferred to the HPC system for your application to start running** *

118. **Please provide the amount of data in Gytes that needs to be transferred back to your system after you have finished your runs** *

119. **Please specify the temporary storage space that is required for each of your runs** *

A copy of your responses will be emailed to the address you provided