



B3.	Last Name	
<input type="text"/>		
B4.	Email	<i>Please double check your e-mail for correctness so that we can reach you</i>
<input type="text"/>		
B5.	Gender (Male/Female)	<i>We require declaration of your gender for statistical reasons only</i>
<input type="checkbox"/> Male <input type="checkbox"/> <input type="checkbox"/> Female <input type="checkbox"/>		
B6.	Date of Birth	
<input type="text"/>		
B7.	Phone number	
<input type="text"/>		
B8.	Position held	<i>i.e. Professor, scientific collaborator, project manager</i>
<input type="text"/>		
B9.	Organization Name	
<input type="text"/>		
B10.	Address	
<input type="text"/>		

**B11. Country**

- | | |
|---------------------------------------|--------------------------|
| Albania | <input type="checkbox"/> |
| Armenia | <input type="checkbox"/> |
| Azerbaijan | <input type="checkbox"/> |
| Bosnia and Herzegovina | <input type="checkbox"/> |
| Bulgaria | <input type="checkbox"/> |
| Cyprus | <input type="checkbox"/> |
| Egypt | <input type="checkbox"/> |
| Former Yugoslav Republic of Macedonia | <input type="checkbox"/> |
| Georgia | <input type="checkbox"/> |
| Greece | <input type="checkbox"/> |
| Hungary | <input type="checkbox"/> |
| Israel | <input type="checkbox"/> |
| Jordan | <input type="checkbox"/> |
| Lebanon | <input type="checkbox"/> |
| Moldova | <input type="checkbox"/> |
| Montenegro | <input type="checkbox"/> |
| Romania | <input type="checkbox"/> |
| Serbia | <input type="checkbox"/> |
| Turkey | <input type="checkbox"/> |

B12. Do you want to add a Collaborator

- | | |
|-----|--------------------------|
| Yes | <input type="checkbox"/> |
| No | <input type="checkbox"/> |



Section C: Abstract of the project

- C1. **If the project is successful this will be published on VI-SEEM website. Please make this summary understandable to a general audience. (Maximum 500 words)**

Section D: Required VI-SEEM Services

- D1. **Specify the generic VI-SEEM services that your application requires**

Check all that apply.

- | | |
|--------------------------------|--------------------------|
| HPC Resources | <input type="checkbox"/> |
| VI-SEEM simple storage service | <input type="checkbox"/> |
| VI-SEEM repository service | <input type="checkbox"/> |
| VI-SEEM archival service | <input type="checkbox"/> |
| VI-SEEM data analysis service | <input type="checkbox"/> |
| None of these | <input type="checkbox"/> |



D2. Specify which, if any, application specific services your application can/will use:

- Climate Application Specific Service – Live Access Sever (LAS) – <http://las.vi-seem.eu>
 - DCH Application Specific Service - Clowder - <http://dchrepo.vi-seem.eu>
 - Life Application Specific Service – ChemBioServer -
<http://bioserver-3.bioacademy.gr/Bioserver/ChemBioServer/>
 - Life Sciences Application Specific Service - AFMM - A Molecular Mechanics Force Field
Parametrization Program - <http://afmm.vi-seem.eu>
 - Life Sciences Application Specific Service - Nanocrystal - Spherical Coordinates Tool -
<http://nanocrystal.vi-seem.eu>
 - Life Sciences Application Specific Service - Subtract - a cavity volume calculator - <http://subtract.vi-seem.eu>
 - None of these

Section E: HPC Resources - Codes and computational resources requested

If your application requires the VI-SEEM HPC Resources service please fill in this section. 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.

HPC CODE 2 Details

HPC CODE 3 Details

Overall HPC Compute Requirements for all the codes that you have declared

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

Data transfer to/from the HPC system

E1. CODE 1 - NAME

.....

E2. CODE 1 - URL (if it exists)

.....

E3. CODE 1 - Licence (Type and URL)

E4. Did/Do you develop CODE 1?

Yes

No

E5. Do you want to add another code?

Yes

No



E6. Number of total core hours required to run all the codes on CPU only nodes (in hours)

Please add the number of core hours you require to run codes on CPU nodes. Please enter 0 if you do not require any CPU core hours.

.....

E7. Number of total core hours required to run all the codes on GPU nodes (in hours)

Please add the number of core hours you require to run codes on GPU nodes. Please enter 0 if you do not require any GPU core hours.

.....

E8. Number of total core hours required to run all the codes on Phi nodes (in hours)

Please add the number of core hours needed if you require to run codes on Phi nodes. Please enter 0 if you do not require any Phi core hours.

.....

E9. Wall-clock time of a typical job execution (in hours)

.....

E10. Are you able to write checkpoint during the job execution?

Yes
No

E11. Maximum (number of cores) for a single job

.....

E12. Maximum (total memory usage across all nodes used) for a single job (in GB)

.....

E13. Total storage (work) - result and large input files (GB/TB)

E14. Total storage (home) - source code and scripts (GB/TB)



E15. Total amount of data to be transferred to/from the production HPC system (GB)

.....

Section F: VI-SEE Repository Service requirements

If your application required the VI-SEEM Repository Service for you to store data, service please fill in this section.

F1. Total amount of storage space needed for your data (in GB)

.....

Section G: VI-SEE Archival Service requirements

If your application required the VI-SEEM Archival Service for you to store data, service please fill in this section.

G1. Total amount of storage space needed for your data (in GB)

.....

Section H: Application Specific LAS Service

If your application will use the VI-SEEM LAS service, please fill in this section.

H1. Total amount of storage space needed for your shared data (in GB). If you will not use LAS to share data please fill in the box with 0.

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Section I: Application Specific Clowder Service

If your application required the VI-SEEM Clowder service please fill in this section.

I1. Total amount of storage space needed for your data storage (in GB).
If you will not use LAS to store data please fill in the box with 0.

.....

I2. Please provide us with information on the data format of the dataset to be provided to Clowder

As a result, the number of people who have been infected with the virus has increased rapidly, and the disease has spread to many countries around the world. The World Health Organization (WHO) has declared the COVID-19 pandemic a global emergency, and governments and health organizations are working to contain the spread of the virus and provide medical care to those affected.



Section J: Project Details

Please provide all details about your project explaining why it should be granted access to the requested resources based on the criteria of the call.

- J1. Describe the numerical methods and algorithms that you are planning to use, improve, or develop. List the codes, packages or libraries that you need to carry out the project.**

- J2. Explain why this project needs the requested VI-SEEM services.
Justify the number of core hours requested (per code).**

Describe on what systems and services you are currently using, what are the limitations of these systems, what characteristics of VI-SEEM services are not available on systems you currently use. For applications requesting HPC, Grid or Cloud resources please provide performance and scaling data of your runs on any type of systems you are running.