# 

**MOLAB ACCESS APPLICATION FORM**

**1) Project Title**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**2) Project Acronym** (max 20 characters) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3) Group Leader** (All correspondence concerning this proposal will be sent to the User Group Leader)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First name: | | | | Family name: | | |
| Nationality: | | | | Birth year: | | |
| Gender: | ❑ female | ❑ male | | | ❑ other | ❑ prefer not to say |
| Function/Job/Title: | | | | | | |
| Home Institution (HI): | | | | | | |
| HI Legal Status Code[[1]](#footnote-1): | | | | | | |
| Position code[[2]](#footnote-2): | | | | | | |
| Phone (office): | | | Phone (mobile): | | | |
| E-mail: | | | | | | |

**4)Other User Group participants involved in the Proposal** *(please, fill-in the table for each participant)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First name: | | | | Family name: | | |
| Nationality: | | | | Birth year: | | |
| Gender: | ❑ female | ❑ male | | | ❑ other | ❑ prefer not to say |
| Function/Job/Title: | | | | | | |
| Home Institution (HI): | | | | | | |
| HI Legal Status Code[[3]](#footnote-3): | | | | | | |
| Position code[[4]](#footnote-4): | | | | | | |
| E-mail: | | |  | | | |

**5) Access is requested for the following experimental setup of interest** *(tick the chosen item)*:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MOBILE LABORATORIES[[5]](#footnote-5)** | | | | | | | | | | |
|  | | | | | | | | | | |
| **Spot analyses** | | | | | | | | | | |
|  | | | | | | | | | | |
|  | XRF |  | External reflection near-FTIR | | | | |  | | UV-Vis-NIR reflectance |
|  | Low Energy XRF |  | External reflection mid-FTIR | | | | |  | | UV-Vis-NIR fluorescence |
|  | XRD |  | Raman (exc785 & 1064 nm, SORS) | | | | |  | | NMR depth-profiling/relaxometry |
|  | Contact Sponge Method |  | Raman (exc532 nm) | | | | | |  | Bioluminescence |
|  | Drilling Resistance Measurement (DRMS) | | | |  | | Evanescent Field Dielectrometry (EFID) | | | |
|  | | | | | | | | | | |
| **Imaging/Mapping techniques** | | | | | | | | | | |
|  | | | | | | | | | | |
|  | Macro XRF mapping |  | X-ray tomography | | | | |  | | Vis induced luminescence |
|  | Micro XRF mapping |  | X-ray radiography | | | | |  | | UV/IR imaging |
| ❑ | Macro XRF rotational mapping |  | Microprofilometry | | | | |  | | VIS hyperspectral imaging  (reflection & emission) |
|  | IR Thermography | | | | |
| ❑ | XRF confocal mapping |  | Scanning multispectral VIS-NIR reflectography | | | | | | | |
|  | XRD mapping | ❑ | Optical Coherence Tomography | | | | | | | |
|  | | | | | | | | | | |
| **2D/3D digitization techniques** | | | | | | | | | | |
|  | | | | | | | | | | |
|  | Medium or small-scale 3D digitization with active instrumentation | | |  | | 3D Laser Scanning technique | | | | |
|  | 2D digitization using RTI techniques | | |  | | Multi stereo view photogrammetry (terrestrial and aerial through UAV systems) | | | | |
|  | Spherical photogrammetry | | |  | |  | | | | |
| **Remote Sensing & Geophysics analyses** | | | | | | | | | | |
|  | | | | | | | | | | |
|  | Ground Penetrating Radar | | |  | | Fluxgate gradiometry | | | | |
|  | UAV-LiDAR | | |  | | UAV based - VIS multispectral (+RGB) & IRT imagery | | | | |
|  | Global Navigation Satellite System (GNSS) | | |  | | Total Station (TS) | | | | |
|  | | | | | | | | | | |

**NB: Technical sheets of the services offered by E-RISH can be consulted on** [**http://www.e-rihs.it/laboratori-mobili/**](http://www.e-rihs.it/laboratori-mobili/)**. The MOLAB helpdesk (responsible David Buti;** [**e-rihs@ispc.cnr.it**](mailto:e-rihs@ispc.cnr.it)**) is at your disposal for any further explanation and for a preliminary indication as to the feasibility of the project.**

**6)** **Expected duration of the project (5 days max)[[6]](#footnote-6):**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1st choice \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2nd choice \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7) Project description** (*max 5000 words[[7]](#footnote-7), including figures and tables*)

* ***Scientific background***
* ***Project Aims & Objectives***
* ***Description of the planned work[[8]](#footnote-8)***
* ***Expected achievements, impact and dissemination plan[[9]](#footnote-9)***
* ***References***

**8) Artwork(s)/Monument:**

|  |  |  |  |
| --- | --- | --- | --- |
| Inventory number: | | | |
| Type/size: | | | |
| Location: | | | |
| Ownership: | | | |
| Ownership consent[[10]](#footnote-10): | ❑requested | ❑received | ❑other (*please explain*) |
| Insert one or more images of the artwork(s)/monument: | | | |
| Web page address where a description of the artifacts can be found (if applicable): | | | |

**9) Curriculum Vitae** of the User Group Leader *(max 900 parole[[11]](#footnote-11)*)

**11) Any other grants and/or ongoing research on the same topic**

❑Yes (please specify) ❑ No

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**12) How did you hear about E-RIHS.it?**

❑ personal contact ❑ web page ❑ conference ❑publications❑other (please explain)

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**13) Availability of data and materials. Please indicate the consent to provide some of the data produced during the access project (e.g. 3D models, technical images, tables) in open access form[[12]](#footnote-12)**

❑ yes (please specify repository details, if applicable) ❑ no

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**Date** …………………………. **User Group Leader Signature[[13]](#footnote-13)**

…………..…………………………………………………

**To be sent as PDF to** [**e-rihs@ispc.cnr.it**](mailto:e-rihs@ispc.cnr.it)

1. **UNI**=University, **RES**=Public Research Organisation, **SME**=Small or Medium Enterprise, **PRV**=Other and/or

   profit or not profit Private Organisation, **OTH**= Other Organisation [↑](#footnote-ref-1)
2. **UND**=Undergraduate, **PGR**=Post-graduate (student with a first University degree or equivalent),

   **PDOC**=Post-doc researcher, **TEC**=Technician, **EXP**=Experienced researcher (professional researcher). [↑](#footnote-ref-2)
3. **UNI**=University, **RES**=Public Research Organisation, **SME**=Small or Medium Enterprise, **PRV**=Other and/or

   profit or not profit Private Organisation, **OTH**= Other Organisation [↑](#footnote-ref-3)
4. **UND**=Undergraduate, **PGR**=Post-graduate (student with a first University degree or equivalent),

   **PDOC**=Post-doc researcher, **TEC**=Technician, **EXP**=Experienced researcher (professional researcher). [↑](#footnote-ref-4)
5. Analyses will be carried out *in situ*, i.e. where the artworks(s)/monument are located, by expert MOLAB operators. [↑](#footnote-ref-5)
6. Five days is the normal duration of a MOLAB access project. However, the duration of the access period will be agreed on a case-by-case basis between the User Group Leader and the MOLAB facilities. Please, consider that periods not specified in the two choices can be also considered as possible by the provider, even though not preferred. [↑](#footnote-ref-6)
7. Project description exceeding the max number of words will not be taken into consideration. [↑](#footnote-ref-7)
8. Experimental technique(s) requested with justification, required set-up(s), measurement strategy, sampling area/point details (number, location, etc.) [↑](#footnote-ref-8)
9. The intellectual property of the results obtained thanks to the infrastructure laboratories, belongs to the users; **they are requested to publish the results (preferably open access) in a reasonable amount of time; in any type of publications the support by MIUR must be acknowledged**. Users and facility providers can come to specific agreements for using the results produced by the access project in scientific publications, without any profit. [↑](#footnote-ref-9)
10. Without the ownership consent, the proposal will not be taken into consideration. [↑](#footnote-ref-10)
11. Curriculum Vitae exceeding the max number of words will not be taken into consideration. [↑](#footnote-ref-11)
12. Open access data availability will be one of the criteria for selection. Further criteria include scientific excellence, dissemination program and CV of the User group Leader. [↑](#footnote-ref-12)
13. By signing the proposal, users agree - in case MOLAB Access is granted - that a User Report will be sent to the helpdesk (e-rihs@ispc.cnr.it) no later than 2 months following the Access (the template and relative instructions will be provided). [↑](#footnote-ref-13)