**FY2025 Application Form for Joint Use (A) and Joint Research (B: Equipment Usage)**

**Joint Usage/Research Center for Drilling Earth Science (JURC-DES)**

Submission Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1 Applicant Information**

|  |  |
| --- | --- |
| 1. Name |  |
| 1. Gender | Select one item from the right  Male  Female Prefer not to say |
| 1. Affiliation\*1 |  |
| 1. Job Title/School Year |  |
| 1. Age Category | Select one item  35 y.o. and younger  36 - 39 y.o. 40 y.o. and older |
| 1. ORCID iD\*2 |  |
| 1. Mailing Address | 〒 |
| 1. TEL |  |
| 1. Email\*3 |  |

■If the applicant is a graduate student, please provide supervisor’s info. in the following:

|  |  |  |  |
| --- | --- | --- | --- |
| 1. Supervisor’s Name |  | 1. Affiliation and Job Title |  |
| 1. ORCID iD\*2 |  | 1. Email |  |

\*1: Please refrain from abbreviating the affiliation. \*2: If ORCID iD has not been obtained, please leave it blank.

\*3: Upon selection of the application, the email address will be registered for contact from the Secretariat.

**2. Applicant’s Details**1. Categories**:**

A\_Joint Use　 AY\_Joint Use (Early Career)

B\_Joint Research (Equipment Usage)　 BY\_Joint Research (Equipment Usage, Early Career)

|  |  |  |  |
| --- | --- | --- | --- |
| 2. Periods: | First Semester | Second Semester | First and Second Semesters |
| 3. Continuation | New Project | Continuous Project\* (prev. approved #: ) | |

\*Please select “continuous” when the application under the same research title from the previous one.

|  |  |  |
| --- | --- | --- |
| 4. Research field (Select one item) | 1. Research projects on Drilling Earth Science regarding IODP and ICDP  2. Research projects on Drilling Earth Science NOT regarding IODP and ICDP  3. Basic research on Earth Planetary Science  4. Research projects on submarine energy and mineral resource  5. Interdisciplinary research covering Earth Planetary Science and Life Science | |
| 5 Research Title |  | |
| 6. Co-investigator from MaCRI (Primary Investigator) | Name | His/Her Role |
|  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7. Research Team  (Each role of the applicants and co-investigators) \*1 |  | Name | Gender | \*2 | \*3 | Roles |
| 1 | Applicant |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |

\*1: Please provide the names of individuals who use the MaCRI’s facilities. If the number is exceeded 7, please create additional section. If there is a need to modify the number of users after the application has been accepted, please consult with the persons in charge and submit a change request to the secretariat.

\*2: Please check the box if 35 years old and younger as of April 1, 2025.

\*3: Please check the box If between 36 and 39 years old as of April 1, 2025.

**3. Equipment and Facilities**

If Equipment is not on the list, please check #38 and visit the URL below: <https://www.kochi-u.ac.jp/marine-core/en/share/pdf/facilities_en.pdf>

\*1: Please consult with the person in charge before you apply. \*2: Please follow application procedures for using RI/X ray analyzing equipment if the applicant or co-investigators operate it.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Frequently Used Equipment **※=RI/X-ray analyzing Equipment** | | | | | Operatable | Room | |
|  | Sampling Desk | | | | |  | Sampling Room | |
|  | Multi Sensor Core Logger（MSCL-S）※ | | | | |  | Core Logging Lab. | |
|  | X-ray CT Scanner※ | | | | |  |
|  | XRF Core Scanner（TATSCAN）※ | | | | |  |
|  | X-Ray Diffractometer（XRD）※ | | | | |  | X-ray & SEM Lab. | |
|  | X-ray Fluorescence Spectrometer（XRF）※ | | | | |  |
|  | Micro-Focus X-ray CT Scanner（Xradia）※ | | | | |  | Geochemistry Lab. | |
|  | XRF Core Scanner（ITRAX）[Must submit Style AB1 Attachment] ※ | | | | |  |
|  | Core Image Scanner（Core Scanner） | | | | |  | Core Logging Lab. | |
|  | Bead Sampler（Desktop） | | | | |  | Rock Processing Lab. | |
|  | Muffle Furnace | | | | |  |
|  | Lapidary/Lapping Machines (Horizontal Lapidary Machine, Lapping Machines for Thin Sections) | | | | |  | Rock Cutting Lab. | |
|  | Diamond Cut Saw for Rock Samples | | | | |  |
|  | Pass-through Superconducting Rock Magnetometer for U-Channel Samples | | | | |  | Paleo & Rock Magnetism Lab. | |
|  | Superconducting Rock Magnetometer for Discrete Samples | | | | |  |
|  | Thermal Demagnetizer | | | | |  |
|  | Alternating Field (AF) Demagnetizer | | | | |  |
|  | Spinner Magnetometer | | | | |  |
|  | Magnetic Balance | | | | |  |
|  | Magnetic Property Measurement System（MPMS） | | | | |  |
| ㉑ | Vibrating Sample Magnetometer（VSM） | | | | |  |
| ㉒ | Pulse Magnetizer | | | | |  |
| ㉓ | Automated Spinner Magnetometer with Alternating Field Demagnetizer (DSPIN) | | | | |  |
| ㉔ | Three Frequency Kappabridge for Measurements of Magnetic Susceptibility | | | | |  |
| ㉕ | Pentapycnometer | | | | |  | Sedimentology Lab. | |
| ㉖ | Isotope Ratio Mass Spectrometer（MAT253） | | | | |  | Inorganic Geochemistry Lab. | |
| ㉗ | Stable Istotope Analysis（IsoPrime） | | | | |  |
| ㉘ | Laser Diffraction Particle Size Analysis | | | | |  |
| ㉙ | Gas Chromatograph（GC） | | | | |  | Organic Geochemistry Lab. | |
| ㉚ | Organic Elemental Analyzer（Flash EA） | | | | |  |
| ㉛ | High-Speed Solvent Extraction Devise（ASE） | | | | |  |
| ㉜ | High-Speed Concentration Device（Turbo Vap） | | | | |  |
| ㉝ | Gas Chromatograph/Mass Spectrometer with Therman Desorption Equipment（GC-MSD） | | | | |  |
| ㉞ | Elemental Analyzer/Isoptope Ratio Mass Spectrometer（EA-IRMS） | | | | |  |
| ㉟ | Field-Emission Scanning Electron Microscope（FE-SEM） | | | | |  | X-Ray & SEM Lab. | |
| ㊱ | Electron Probe Microanalyzer（EPMA） | | | | |  | Spectrochemical Analysis Lab. | |
| ㊲ | Double-Focusing High Resolution ICP Multi-Collector Mass Spectrometer (NEPTUNE) | | | | |  | ICP-MS Lab. | |
| ㊳ | Quadrupole Inductively Coupled Plasma Mass Spectrometer (iCAP Q ICP-MS) | | | | |  |
| ㊴ | Core Splitter | | | | |  | Machine Shop | |
| ㊵ | Other Equipment（　　　　　　　　　　　　　　　　　　　　　）\*Write applicants can operate the equipment or not. | | | | | | | |
| Select the persons from the following with whom applicants have consulted for this application: | | | | | | | | |
| M. IKEHARA | | M. IWAI | Y. UJIIE | G. URAMOTO | T. OKUMURA | | | Y. YAMAMOTO |
| T. MATSUZAKI | | T. UEDA | K. OKAMURA | Y. NISHIO | M. MURAYAMA | | | Y. KATO |
| T. SATO | | Other ( ) | | |  | | |  |

|  |  |  |
| --- | --- | --- |
| **Desired Schedule for Use:**  E.g.) 5 days between Apr. and Sep. 2025  Certain days between Jan. and Feb. 2026 (The number of days is not fixed) | 1st Choice: | \_\_\_\_\_day(s) between \_\_\_\_\_\_\_\_\_,202\_ and \_\_\_\_\_\_\_\_\_,202\_ |
| 2nd Choice: | \_\_\_\_\_day(s) between \_\_\_\_\_\_\_\_\_,202\_ and \_\_\_\_\_\_\_\_\_,202\_ |
| 3rd Choice: | \_\_\_\_\_day(s) between \_\_\_\_\_\_\_\_\_,202\_ and \_\_\_\_\_\_\_\_\_,202\_ |
| 4th Choice: | \_\_\_\_\_day(s) between \_\_\_\_\_\_\_\_\_,202\_ and \_\_\_\_\_\_\_\_\_,202\_ |

**4. Sample Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Name of Sample Materials  Incl. Collecting Sites/Expedition # | 2. Shape (Its size, etc.) | 3.The number of samples | 4. The Owner of the samples \*1 | 5. Permission from the owner |
|  |  |  |  | N/A  Permitted  Other  （　　　） |
|  |  |  |  |
|  |  |  |  |
| \*1) If an organization owns samples, please write a name of the organization (JAMSTEC, NSF, etc.) | | | | |

|  |  |  |
| --- | --- | --- |
| 6. Laws and Regulations | N/A  Need to Apply | Remarks (if any): |
| Select one out of the following items:   |  |  |  | | --- | --- | --- | | Washington Treaty | National Natural Monument | Special Protection Zone | | Convention on Biological Diversity | Plant Protection Act | Others | | |

|  |  |
| --- | --- |
| 7. Temporary Sample Storage | Do you ask temporary storage of your samples?  No  Yes (If yes, please provide reasons below) |
| Reasons： |
| Exchanging the sample’s ownership after completing the project  No  Yes |

If you wish to store your samples temporarily at MaCRI, please submit “Application Form of Storage Usage” before your samples are loaded. Please contact the KU-ABCR Secretariat for more details.

**5. Loading Own Items**

Does the applicant bring their own devices, instruments, or chemicals?

No

Yes

\*If yes, please provide information in the following sections, a to c:

1. Devices/Instruments

|  |  |  |
| --- | --- | --- |
| Machine Name | Details (Model #) | Safety Measures |
|  |  |  |

1. Materials required to apply safety measures

|  |  |
| --- | --- |
| N/A | Internationally Controlled Materials |
| Radioactive Materials | Poisonous and Deleterious Substances |

1. Please provide detailed information on the above materials:

\*Name of materials, its shape, amount, property, purpose of use, storage method, treating method, and safety measures

|  |
| --- |
|  |

**6. Research Project**

|  |
| --- |
| Research Implications, Goal, Originality, and Expected Results  \*If this is a continuous research project, please also provide the achievements or progress made in the previous projects. |
|  |

|  |
| --- |
| How does this application contribute to achieve the above goal? |
| \*Please write it in accordance with equipment selected in Section 3 “Equipment and Facilities.” |
|  |

**7. Travel Expenses** (Only applicants for AY (Early Career) and BY (Early Career) write this part.)

Need Travel Expense Supports  No  Yes (Only one applicant is eligible once per fiscal year)

\*Same applicants with different research projects cannot apply for the travel expense subsidy multiple times in the same fiscal year.

Details of travel expenses

|  |
| --- |
|  |

**8. Related Information to the Application or Research Achievements (FY2020-FY2024)**

|  |
| --- |
| Research papers relating to this application, published by applicant or co-investigators (within 3 papers)  If no papers relating to this application, provide other achievements (within 3 papers) |
|  |
|  |
|  |

Usage History of Joint Use/Research Programs for the Past 5 years

Has the applicant conducted JURC-DES approved research projects before?  Yes  No

<Research Title(s) Selected: Provide five titles from the latest)>

|  |  |  |
| --- | --- | --- |
|  | Approved Number | Research Title |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |

<Research Achievements>

Please provide the research achievements (papers, reviews, oral presentations, BA thesis, MA thesis, or Doctoral thesis) that have been published as a result of past research projects approved by JURC-DES:

\*Since the research achievements will be subjected to evaluation for selection, please provide the precise information.

Already submitted all published research achievements to the Secretariat

paper(s) mentioning the approved number in the acknowledgement

paper(s) NOT mentioning the approved number in the acknowledgement

\*Only research papers that mention the approved number in its acknowledgment will be counted as JURC-DES achievements.

Not submitted yet (Please submit “**Registration Form of Research Results**” to the Secretariat immediately)

No research achievements published so far at this moment

JURC-DES Research Meeting Participation Experiences (Please select all that apply from the following)

FY2020  FY2021  FY2022  FY2023  FY2024

\*Selected applicants are encouraged to present their research findings at the JURC-DES Research Meeting, will be held at MaCRI at the end of every fiscal year

Research Projects funded by other grants-in-aids

\*Please provide if you apply other competitive research funds such as Grant-in-Aid for Scientific Research, or *KAKENHI* and its results.

|  |
| --- |
|  |

Has the applicant participated in Core School before?

Basic Core Analysis Course  Core Isotope Analysis Course  Paleomagnetism Course

Other ( Course)  Not Participated so far