**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. 2025Certain 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 MaterialsIncl. 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 |

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|  |  |
| --- | --- |
| 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