

## APPENDIX A

### INSTRUCTION OF FORM C-1 THE RESOURCE REQUIREMENTS

#### Form C-1 (研究経費・データ要求) 記入要領

*Note)*

*Proposals are to be written in either English or Japanese.*

日本語または英語にて記入のこと。

*Please also refer to the Section 4.3 of the guide documents, either “3rd\_EO-RA\_guide\_E.pdf” or “3rd\_EO-RA\_guide\_J.pdf”, for the detailed instructions.*

詳細については、公募要領(英文版は「3rd\_EO-RA\_guide\_E.pdf」、日本語版は「3rd\_EO-RA\_guide\_J.pdf」)の 4.3 項もご参照ください。

## BUDGET SUMMARY 研究経費 (EXAMPLE)(例)

In the case of a foreign currency originally used in the budget, convert the numbers into Japanese Yen and indicate the exchange rate used in this budget summary on the top of this summary seat, for example, 1 US dollar = 110 Japanese yen.

### Proposed Total Cost 総額; (unit: yen 円)

	2022	2023	2024	Total
<b>Total Cost (Direct Cost + Overhead)</b>	4,310,000	2,972,000	3,926,000	11,209,000

### Direct Cost 直接経費;

#### 1. Personnel Expenses 人件費; (unit: yen 円)

	2022	2023	2024	Total
<i>Part-time job for DSD data analysis</i>	320,000 (40,000x8)	320,000 (40,000x8)	320,000 (40,000x8)	960,000 (120,000 x8)

#### 2. Purchases 購入費

##### 2.1 Computers / Peripheral Equipment (unit: yen 円)

ITEM	2022	2023	2024	Total

##### 2.2 Software (unit: yen 円)

ITEM	2022	2023	2024	Total

##### 2.3 Expendable Materials and Supplies (unit: yen 円)

ITEM	2022	2023	2024	Total
<i>8mm tape (112m)</i>	60,000	60,000	50,000	170,000
<i>CD-R</i>	100,000	100,000	100,000	300,000
<i>MO (640MB)</i>	10,000	10,000	15,000	35,000
<i>A4 Paper (package of 500 sheets)</i>	2,000	2,000	2,000	6,000
<i>CD-RW Drive</i>	50,000	50,000	0	100,000

3. Subcontracts 再委託費 (unit: yen 円)

ITEM	2022	2023	2024	Total
<i>Software development for DSD data analysis</i>	300,000	600,000	1,500,000	2,400,000

4. Travel Expenses 旅費 (unit: yen 円)

Departure Point – Destination (number of travelers)	2022	2023	2024	Total
<i>Tokyo – Washington, D.C. (1 person)</i>	600,000		600,000	1,200,000
<i>Tokyo – Paris (1 person)</i>	650,000	650,000		1,300,000
<i>Tokyo – London (1 person)</i>		650,000	650,000	1,300,000
<i>Tokyo – Osaka (1 person)</i>		35,000	35,000	70,000

5. Observation Equipment 観測用機材費 (unit: yen 円)

ITEM	2022	2023	2024	Total
<i>Micro Rain Radar</i>	1,500,000			1,500,000

6. Satellite Data 衛星データ購入費 (unit: yen 円)

Name of Satellite / Sensors	Distributor	Purpose	Cost			
			2022	2023	2024	Total

7. Other Data その他データ購入費 (unit: yen 円)

Name of Data Sets	Distributor	Purpose	Cost			
			2022	2023	2024	Total

8. Others その他経費 (unit: yen 円)

ITEM	2022	2023	2024	Total

<b>DIRECT COST TOTAL 直接経費合計</b> (unit: yen 円)	3,592,000	2,477,000	3,272,000	9,341,000
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Regarding Overhead Cost, check either of the following boxes:

- Unnecessary 不要
- Deductible with special procedures (e.g. submission of a certain application document from JAXA) JAXAからの申請等の手続きにより免除可能
- Indispensable (20% of direct cost. Please input the calculated overhead cost below.)  
必要(間接経費割合を記入のこと)

OVERHEAD 間接経費 (unit: yen 円)	718,000	495,000	654,000	1,868,000
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## DATA REQUIREMENTS データ要求

### 1. JAXA-Archived Satellite Datasets JAXA アーカイブ衛星データセット

(JERS-1, ADEOS, TRMM, Aqua/AMSR-E, ADEOS-II, ALOS, ALOS-2, ALOS-3, ALOS-4, GOSAT, GOSAT-2, GCOM-W, GPM, GCOM-C)

About ALOS-2 datasets, refer to the “2.1.4 Advanced Land Observing Satellite-2 (ALOS-2) & ALOS-4” and about ALOS-3 datasets, refer to the “2.1.5 Advanced Land Observing Satellite-3 (ALOS-3)” of the “3rd\_EO-RA\_guide\_J.pdf” or “3rd\_EO-RA\_guide\_E.pdf”.

Name of Satellite / Sensor	Quantity (scenes or sq km)	Purpose

### 2. Multidisciplinary Application Datasets 複合利用研究データセット

(Data products from Today's Earth, NEXRA, Aerosol Assimilation, Ocean Weather Forecast)

Refer to “2.2 Multidisciplinary Application Research” of the “3rd\_EO-RA\_guide\_J.pdf” or “3rd\_EO-RA\_guide\_E.pdf”.

Name of Product	Period	Purpose

### 3. JMA Datasets 気象庁データセット

(Global Analysis Data, Global Forecast Data (24-hr forecast), AMeDAS data, Ground Radar data, Rainfall analysis data, Daily SST data)

Name of Product	Period	Purpose

*Please refer to the following “A.2 Instructions for data requirements”.*

下記「A.2 データ要求記入要領」をご参照ください。

## **A.1 Instructions for budget summary 研究経費記入要領**

Provide a budget summary by cost element (Personnel Expenses, Computers/Peripheral equipment, Software, Expendable Materials and Supplies, Subcontracts, Travel Expenses, Observation Equipment, Satellite Data, Other Data, and Others), sorted by Japanese fiscal year as shown in the example. An annual summary budget must be also input on the page of the Proposal Submission Web Site.

- (1) Personnel expenses  
Enter the expenses for part-time workers here as the total cost calculated by multiplying the unit cost per day by the number of days. For part-time workers, use your own cost estimates.
- (2) Computers/peripheral equipment/software  
Enter the lease and rental cost of computers and/or peripheral equipment. Note that JAXA has the right to change specifications of all equipment. Also enter the cost of software here.
- (3) Expendable materials and supplies  
Enter the quantity of each item, following the example.
- (4) Subcontracts  
Provide the cost of subcontracts to outside companies or organizations here.
- (5) Travel expenses  
Describe the proposed domestic and/or international travel including information on destination and number of days/number of times (or travelers).
- (6) Observation equipment  
Enter the costs of observation equipment(s) including installation cost.
- (7) Satellite data  
Investigators requesting satellite data other than JAXA-owned or archived data (listed in the next section) should provide cost information here.
- (8) Other data  
Enter the costs for data other than satellite data.
- (9) Others  
Enter the costs for publication and others here.
- (10) Direct cost total  
Enter the costs summed up above.
- (11) Overhead  
Check one of the boxes, and if the overhead is indispensable for the organization of PI, enter the number of ratio (%) to the direct costs and the calculated overhead amount.

## **A.2 Instructions for data requirements データ要求記入要領**

JAXA-owned satellite data are listed below. JAXA will provide requested data judged necessary for the proposed research, subject to availability of data processing.

- Japanese Earth Resources Satellite (JERS) (global)
- Advanced Earth Observing Satellite (ADEOS)
- Tropical Rainfall Measuring Mission (TRMM)
- Advanced Microwave Scanning Radiometer for EOS (AMSR-E) aboard EOS-Aqua Satellite
- Advanced Earth Observing Satellite-II (ADEOS-II)

- Advanced Land Observing Satellite (ALOS) (Valid number of scenes per year from JAXA archives)
- Advanced Land Observing Satellite-2 (ALOS-2) (Valid number of scenes per year from JAXA archives)
- Advanced Land Observing Satellite-3 (ALOS-3) (Valid number of km<sup>2</sup> per year from JAXA archives)
- Advanced Land Observing Satellite-4 (ALOS-4) (Valid number of scenes per year from JAXA archives)
- Greenhouse Gases Observing Satellite (GOSAT)
- Greenhouse Gases Observing Satellite-2 (GOSAT-2)
- Global Change Observation Mission - Water (GCOM-W)
- Global Precipitation Measurement (GPM)
- Global Change Observation Mission - Climate (GCOM-C)

Note)

EarthCARE and MOLI will be added by revision of the Agreement pursuant to Article 34 when provision of data becomes available.

Data availability can be checked on JAXA's Earth Observation Satellite Data Distribution Service (linked from EORC website, <https://www.eorc.jaxa.jp/en/distribution/>).

JAXA also archives meteorological data, which are provided by the Japan Meteorological Agency (JMA), under the data exchange agreement between JAXA and JMA. PIs who want to use following JMA data in their analysis within the purpose of proposed research should indicate their data requests in the Data Requirement sheet, as shown in page B-3. JAXA will determine provision of necessary JMA data in accordance with the research proposal.

- JMA Global Analysis Data
- JMA Global Forecast Data (24-hour forecast)
- JMA AMeDAS 10-minute meteorological data
- JMA ground-based radar data (radar reflectivity)
- JMA Rainfall Analysis data
- JMA Merged satellite and in situ data Global Daily Sea Surface Temperatures (MGDSST)