



Introduction to Writing a Proposal for Free (or low cost) Data

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Overview of Talk

- ▼ Overview of the proposal
- ▼ Key components for a proposal
- ▼ Resources for filling in key components
- ▼ Sample ESA proposal

Overview of a proposal

Why do we want to do a proposal?

In what way are we going to use the data?

Are we solving a novel problem or using data in a new way?

Proposal submittal is online

<https://earth.esa.int/web/guest/pi-community/apply-for-data/full-proposal>

Lots of resources on this website as well

The screenshot displays the ESA Earthnet Online website interface. The top navigation bar includes the ESA logo, 'Earthnet Online' text, and links for 'Login My Earthnet', 'Register', and a search bar. Below this is a secondary navigation bar with tabs for 'Data Access', 'Missions', 'Earth Topics', and 'PI Community'. The main content area is titled '- Full Proposal' and contains a welcome message, submission guidelines, and a list of links for proposal submission. A sidebar on the right titled 'PI Community' lists various resources like 'PI Community Home', 'Results', 'Search Results and Projects', and 'Apply for Data'. At the bottom of the sidebar is a section for '- Related Content' with links to 'List of free datasets', 'ESA T&C', 'ESA data Policy', and 'TPM data cost'.

esa Earthnet Online

Login My Earthnet Register Google™ Custom Search

Need Help? Contact here European Space Agency

Data Access Missions Earth Topics **PI Community** Explore more...

You are here Home > PI Community > Apply for Data > Full Proposal

- Full Proposal

Welcome to the submission area for Project proposal.

Proposals submitted via this page will be reviewed and a product/programming quota will be assigned by ESA. ESA data are provided free of charge ; no programming or production fees applied. ESA may however request the user to provide a contribution in case of requests for very large datasets.
Data cost and specific restrictions to the use of data may apply for TPM data.

There are no deadlines for proposal submission.

- Guidelines for the submission of Project proposals
- Terms and Conditions for the utilization of ESA data
- Terms and conditions for the utilization of ESA Third Party Missions Data
- Imaging Instruments Product Equivalence for ENVISAT and ERS Products
- TPM data cost
- Submit a new Proposal
- Modify a Proposal

Should you require exclusively access to data systematically available on Internet, you can submit a Registration.

Should you be interested in requesting Third Party Missions data, please visit our TPM webpage, to find all relevant information and prices.

Information about accepted projects is retrievable here.

PI Community

- PI Community Home
- Results
- Search Results and Projects
- Apply for Data
 - Fast Registration
 - Full Proposal**
 - Campaigns
 - AO's
 - 3rd Party
- Focus on PI
- Toolboxes
- Training
- Proceedings
- Events
- News
- MyEarthnet

- Related Content

- List of free datasets
- ESA T&C
- ESA data Policy
- TPM data cost

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Key Components

- ▼ Title
- ▼ Application Domains and Locations
- ▼ Executive Summary
- ▼ Principle Investigator Information
- ▼ Co-investigators information
- ▼ Experience of the team
- ▼ Innovative character of the proposal
- ▼ Contribution to the mission objectives
- ▼ Detailed description
- ▼ Schedule
- ▼ Product selection
- ▼ Data requirements

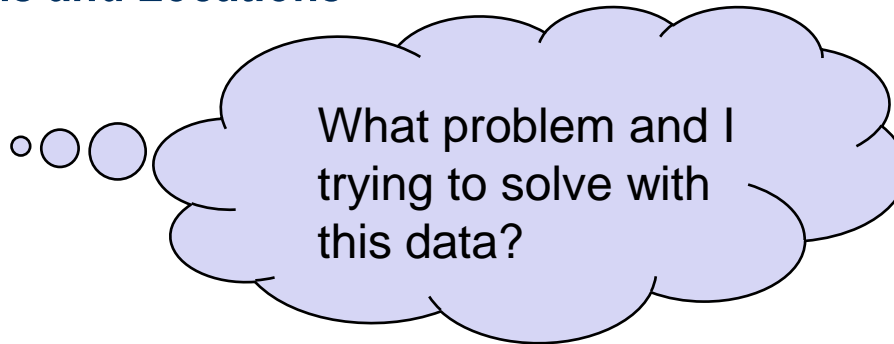
Key Components – some details

- ▼ Title
- ▼ Application Domains and Locations

Key Components – some details

- ▼ Title
- ▼ Application Domains and Locations

- ▼ Hazards



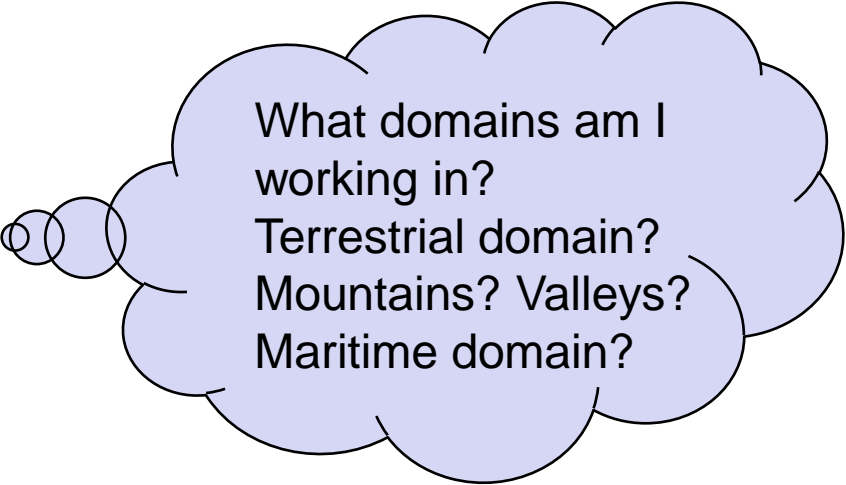
Key Components – some details

- ▼ Title
- ▼ Application Domains and Locations

What problem and I
trying to solve with
this data?

- ▼ Hazards

- ▼ Oceanography



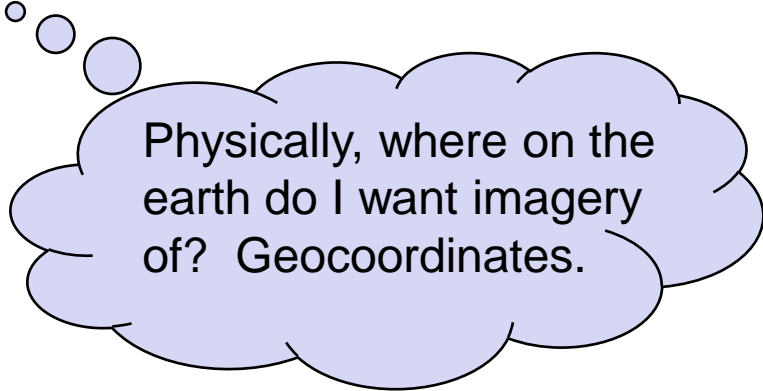
What domains am I
working in?
Terrestrial domain?
Mountains? Valleys?
Maritime domain?

Key Components – some details

- ▼ **Title**
- ▼ **Application Domains and Locations**
 - ▼ Hazards
 - ▼ Oceanography
 - ▼ Geographic region of interest

What problem and I
trying to solve with
this data?

What domains am I
working in?
Terrestrial domain?
Mountains? Valleys?
Maritime domain?



Physically, where on the
earth do I want imagery
of? Geocoordinates.

Key Components – some details

- ▼ Title
- ▼ Application Domains and Locations
- ▼ **Executive Summary**

This is where we are going to talk about what the problem is that you would like to research/solve. A background discussion of the area involved, the contributing factors to the problem, etc should be included

Finally, your hypothesis about what you think may be a contributing factor to the problem, and how you intend to research this using the imagery that you are asking for

Key Components – some details

- ▼ Title
- ▼ Application Domains and Locations
- ▼ Executive Summary
- ▼ **Principle Investigator Information**
- ▼ **Co-investigators information**
- ▼ **Experience of the team**

Key Components – some details

▼ Principle Investigator Information, co-investigators information, team experience

In this section you will need to include the contact information for those persons who will be using the data and working on your problem. This should include:

- You
- Your principle investigator
- Other team members who may work with the data

Information should include name, address, phone number, fax number, email, etc...

Respective experience of the principle investigator and co-investigators must be described, should be concise (<= 2000 characters)

Include relevant backgrounds and degrees attained or degree being pursued

Also include relevant research done previously or particular expertise of the team

Key Components – some details

- ▼ Title
- ▼ Application Domains and Locations
- ▼ Executive Summary
- ▼ Principle Investigator Information
- ▼ Co-investigators information
- ▼ Experience of the team
- ▼ **Innovative character of the proposal**
- ▼ **Contribution to the mission objectives**

Key Components – some details

Innovative character of the proposal

This section can be kept concise, but should explain the interworkings of your proposal, who you are collaborating with, and how your role fits within the project goals:

- How is what I'm going to do unique?
- Who am I going to do this work with?
- What specifically is my role in this effort?

Contribution to the mission objectives

This section should be ≤ 2000 characters

This section should focus specifically on how what you are proposing in the **innovative character of the proposal section** helps to solve the problem that you have proposed

How will this work contribute to solving the hazards outlined at the beginning of the proposal?

How will this work contribute to the application domains?

Key Components – some details

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- ▼ Experience of the team
- ▼ Innovative character of the proposal
- ▼ Contribution to the mission objectives
- ▼ **Detailed description**
- ▼ **Schedule**

Key Components – some details

Detailed Description

This is the main body of the proposal, and consequently is the main basis for the proposal evaluation

At a minimum it needs to include:

- Scientific approach
- Technical approach
- Methods
- Justification of the amount of types of data requested
- Work plan of the investigation

Key Components – some details

Detailed Description

This is the main
and consequence
basis for the p

At a minimum

- Scientific
- Technical
- Method
- Justification
- types of
- Work p

Detailed Description, cont'd

The work plan of the investigation should include a description of the key milestones and associated deliverables, the planned use of data, models, and facilities

This section can also include further details from the **contribution to the mission objectives section**

Key Components – some details

Detailed Description

This is the main
and consequence
basis for the p

At a minimum

- Scientific facilities
- Technical
- Method
- Justification details from the **core mission objectives**
- Work p

Detailed Description, cont'd

The work plan of the
include a description
milestones and ass
the planned use of

This section can also
details from the **core mission objectives**

Schedule

The schedule should include a general
overview, as well as milestones

The schedule also need to show project
phases (preparation, data acquisition,
analysis) as well as the plan for reporting
preliminary and final results

Short section, <= 2000 characters

Key Components – some details

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- ▼ Schedule
- ▼ **Product selection**
- ▼ **Data requirements**

Key Components – some details

Product Selection

This section lists the specific products requested to carry out the research

It is strongly recommended that to consult the ESA catalogues before submitting a proposal
<http://earth.esa.int/services/catalogues.html>

The Principle Investigator Portal is another good resource <http://eopi.esa.int/esa/esa>

Note about 3rd party mission products:

Before applying for 3rd party mission data, first ensure that you are entitled to request them

Visit

<http://eopi.esa.int/esa/esa?cmd=aolist&type=30>

There are different dropdown menus for products that are systematically available and products that are available on demand

ESA Products and 3rd party mission products

<http://eopi.esa.int/esa/esa?type=file&ts=1085667062674&table=aotarget&cmd=image&id=520>

Key Components – some details

“Framed Data”

Should you request “framed” data, details about number of scenes to be used during the project (total, archive and new acquisitions) and broad location of the acquisitions will be asked

- SAR
- ASAR
- MERIS
- ALOS
- PALSAR

The PI can select which products are required while browsing the list by pressing the “Add Product” button

Key Components – some details

Data Requirements – New vs. Archived acquisitions

Provide detailed information about the requested products, particularly important in this section, when relevant to the content of the proposal, is to specify the required operating modes of the instruments – geographic name(s) or study area(s) should be indicated in this section

ESA Data: details about archive acquisitions - can be filled-in with information about the requested ERS or ENVISAT archived data by providing a list including type of product and acquisition dates of the requested products.

ESA Data: details about new acquisitions - shall be filled-in with a list including product and requested acquisition dates of ERS or ENVISAT products to be acquired by ESA after acceptance of the proposal.

Key Components – some details

Data Requirements – Details

Should **specific polarization schemes** for new acquisitions of ASAR data be needed, the appropriate box shall be checked and specifications shall be provided in the field “Comment Specific modes”.

Should **specific swaths** of new ASAR Image or Alternating Polarisation data be needed, the appropriate box shall be checked and specifications shall be provided in the field “Comment Specific modes”.

Should **simultaneous acquisitions** of different sensors onboard the same platform be requested for the future, the appropriate box shall be checked and details shall be provided in the field “Comment Specific modes”. Please consider that the different ASAR Modes, Swaths and Polarisations are mutually exclusive

Any other specific request concerning ESA data can be specified in the box “**Comment Specific modes**”.

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- ▼ Data requirements

Resources

ESA PI Portal - <http://eopi.esa.int/esa/esa>

ESA homepage - <http://www.esa.int/esaCP/index.html>

List of products in the free ESA dataset –

<http://eopi.esa.int/esa/esa?type=file&ts=1085667062674&table=aotarget&cmd=image&id=520>

ESA catalogues - <http://earth.esa.int/services/catalogues.html>

Free ESA dataset - <http://nest.array.ca/web/nest/sampledata>

Free TerraSar-X data - <http://www.infoterra.de/free-sample-data>

Free Envisat data - http://envisat.esa.int/services/sample_products/

Free Radarsat-1 data - <ftp://acres.ga.gov.au/acres/samples/radarsat/>

Sample data from DigitalGlobe - <http://www.digitalglobe.com/index.php/70/Product+Samples>

Questions?

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