



DATA POLICY

AMAZONFACE PROGRAM – ASSESSING THE IMPACTS OF INCREASED ATMOSPHERIC CO₂ ON THE ECOLOGY AND RESILIENCE OF THE AMAZON FOREST

INTRODUCTION

The AmazonFACE program presents this data policy open for all researchers, with the least possible restrictions on the immediate use of data by the scientific community. All data collected within the AmazonFACE program by any of its associated projects are, in principle, free to be used by the community as soon as possible, after its collection and validation. This data policy is in accordance with INPA's data policy, the program executing institution, and with the principle that most AmazonFACE projects are funded by public resources and, therefore, their resulting data are also public.

This policy refers to both primary collected scientific data and data derived throughout processes of analysis and data processing in the context of scientific experiments under coordination of the AmazonFACE Program.

This policy considers:

- Full compliance to Brazilian legislation.
- Cooperation and synergy amongst AmazonFACE tasks, institutional scientific projects and partners officially approved by the AmazonFACE Scientific Steering Committee (SSC).
- That scientific knowledge is dynamic and scalable, largely as a result of the interaction of specific interests and dissemination of data and information on a large scale.
- That the wide and unrestricted use of scientific data and information makes science advance faster.
- That all data and information obtained through public resources must remain publicly available and easily accessible, according to Brazil's Access to Information Law (*Lei de Acesso à Informação - No. 12.527*).

The AmazonFACE Program data management infrastructure will make scientific research data produced by the program publicly available as soon as possible, both internally to project members and externally to the wider scientific community. This data policy classifies data in: **(1)** data generated using AmazonFACE Program resources; and **(2)** data generated by official external collaborators.

1. POLICY FOR DATA GENERATED BY AMAZONFACE

(data collected using infrastructure, instruments, technical staff, researchers or direct public resource funding)

1.1. POLICY FOR PROVIDING DATA TO AMAZONFACE

As a data provider to AmazonFACE, one must agree to:

- a) Provide metadata¹ for each collected and derived dataset, including appropriate acknowledgments.
- b) Provide for data quality verifications according to adopted standard methods or recommended protocols.
- c) Make data publicly available through AmazonFACE's data management infrastructure or other infrastructure designated by AmazonFACE.

¹ Metadata or Metainformation are information that describes a dataset. A metadata descriptive item identifies what a dataset is about. Metadata makes relationships and the usefulness of data information easier to understand.

1.2. AMAZONFACE DATA AVAILABILITY POLICY

- a) Data will be provided to all AmazonFACE participants and made publicly available through the AmazonFACE data portal (linked in the program website), according to the agreement on **Fair and Free Use of Data** (see section 1.4);
- b) Data will be made available to AmazonFACE participants in the shortest possible term, usually within 6 months. Data will be made available to the community in general as soon as possible, after QA² (Quality Assurance) /QC³ (Quality Control) tests, calibrations and processing needed for its use, but no later than 12 months after collection;
- c) In cases where data have been submitted to QA/QC and other processing, the processed data version will be provided through AmazonFACE's data portal (underlying primary data may only be available upon a formal request addressed to AmazonFACE Scientific Management)
- d) AmazonFACE will provide citation information for every published dataset and other value-added products and will assign DOIs⁴ (Digital Object Identifier) for published data products.

1.3. AMAZONFACE DATA USAGE POLICY

Every AmazonFACE data user is responsible to:

- a) Inform the researcher who contributed with data on how one intends to use it before start using it;
- b) Contact the data provider (collaborators) to offer opportunity for scientific contribution and to eventually become co-author on manuscripts to be published;
- c) Graduating students have priority of usage of data collected in the scope of their dissertation/thesis work;
- d) Co-authorship of papers derived from AmazonFACE data should be as inclusive as possible. Whereas all task leaders, post-docs and data collectors should be included in the elaboration of initial paper drafts, the final judgement about significant contribution to a given paper remains a decision of first author and her/his direct supervisor after the mentioned project members are given the opportunity to contribute.
- e) Notify the data provider when a new work is created, based on or derived from its data or documentation;
- f) Properly acknowledge used data by citing relevant DOI or paper(s), and/or acknowledging the funding for site's support;
- g) Explicitly acknowledge AmazonFACE support;
- h) Eventual data usage conflicts will be refereed by AmazonFACE SSC after consulting the involved parties.

1.4. DATA USAGE POLICY FOR DATA AVAILABLE ON AMAZONFACE DATA PORTAL

Fair and Free Use of Data - All data will be publicly available for wide use and subject to the three conditions described below:

- a) All data produced using AmazonFACE resources, financial and otherwise, will be released for **Fair and Free Use of Data**.
- b) Data providers whose data have been produced with external (non-AmazonFACE) financial resources can choose to release data under **Fair and Free Use of Data** terms.

² **QA** – Quality Assurance – Defined as a set of activities to ensure quality in development processes.

³ **QC** – Quality Control – Comprehend a set of activities to ensure quality of products/systems.

⁴ **DOI** – Digital Object Identifier - A numeric system for identifying digital content such as books, electronic papers and document in general.

- c) Users accessing data through AmazonFACE Data Portal must observe and attend to point 1.3 of this policy.

2. POLICY FOR DATA EXTERNAL TO THE AMAZONFACE PROGRAM

(Data and metadata produced with resources external to the AmazonFACE Program)

2.1. POLICY FOR DATA CONTRIBUTION

As data provider to AmazonFACE, one must agree to:

- a) Provide essential metadata for each collected and derived dataset, including appropriate acknowledgment;
- b) Provide data quality verification according to adopted standard methods or recommended protocols;
- c) Store data in AmazonFACE data management infrastructure.

2.2. POLICY FOR AMAZONFACE USE OF DATA

Any data user from AmazonFACE must follow the data policy for data collected with AmazonFACE's resources and any additional requirements defined by the data owner.

2.3. POLICY FOR USE OF DATA AVAILABLE THROUGH AMAZONFACE PORTAL

If the data provider's data usage agreement allows, data from external collaborators can be made available through AmazonFACE data portal, following the same rules regarding data generated by AmazonFACE.

3. LEGAL BASIS

This policy for sharing and storing AmazonFACE data and its deployments are aligned with institutional norms and Brazilian legislation, according to guidelines in:

- 1) National Spatial Data Infrastructure - Decree No. 6.666 (Infraestrutura Nacional de Dados Espaciais – Decreto No. 6.666);
- 2) PPBio Data Policy;
- 3) Information Security Policy - Decree No. 3.505 (Política de Segurança da Informação – Decreto No. 3.505);
- 4) Access to Information Law - No. 12.527 (Lei de Acesso à Informação – No. 12.527);
- 5) National Open Data Infrastructure - Normative Ruling No. 4 (Infraestrutura Nacional de Dados Abertos – Instrução Normativa No.4);
- 6) Law on the Internet Use in Brazil - No. 12.965 (Lei sobre o Uso da Internet no Brasil – No. 12.965).

4. OMITTED TERMS

Cases not covered by this policy will be explicitly resolved by the AmazonFACE SSC.

AmazonFACE Scientific Steering Committee
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