



## Disentangling the Veil Line for Brazilian Biodiversity through Program for Biodiversity Research (PPBio)

### Data Mobilization - BID-LAC2025-MIG-090

Brazilian National Research and Education Network

Status

Full Proposal

#### Guidelines

- Refer to the relevant **call for proposals** on the GBIF website as you prepare your submission. Pay particular attention to the **eligibility and evaluation criteria** that will be used to assess your submission.
- **Save often.** Note that the portal does not auto-save, so we advise you to save the draft often, using the **Save** button in the bottom right corner. The draft will remain open for further editing.
- If you wish to save the draft for later completion, click on **Save and close**. When you return to the GBIF grants portal, you will find the draft under **Pending Requests**. You can then continue to **Edit** it, using the button **Edit** in the top right corner.
- Select the **BID 2025 grant type** (Institutional or Multi-institutional) to be able to complete all sections of the form. This will allow you to add the **required activities and deliverables** for the selected type.
- **Submit** your draft before the deadline. Note that once submitted, you can no longer **Edit** your draft.
- You can **print** a copy of this form by first selecting the **Save and close** button (if in **Edit** mode) at the bottom right, then select the **Print** icon at the top right. This generates a **PDF** that you can **print or share with collaborators**.
- At **Full Proposal** stage: Build upon the contents of your concept note without major deviations from your original idea, unless the Selection Panel has recommended otherwise. Make sure to address recommendations provided by the Selection Panel during the concept note stage.

Deadline for submission: Full Proposals must be submitted by 17 September 2025, 15:59 CEST (UTC+2)

⚠ All your project partners must be confirmed

⚠ The total budget must equal the amount requested.

⚠ The total co-funding budget must equal co-funding offered.

#### Feedback on Concept Note from the Selection Panel:

In preparing your full proposal, the panel recommends:

- **Listing all dataset deliverables.** As the BID programme funds data mobilization projects, clearly list all datasets expected to be published by the project in the "Dataset Deliverables" section of the form. Provide sufficient detail to demonstrate that the data are relevant to the project's stated objectives.
- **Providing a clear, realistic, and justified project budget.** Noting that the second stage of the selection process will be competitive, all full proposals are encouraged to focus on providing a clear, realistic, and well-justified project budget.

#### ▼ Quick links

Project overview  
 Project consortium  
 Project Description  
 Response to recommendations from the selection panel  
 Relevance to the objectives of the BID call for proposals and regional needs  
 Activities and deliverables  
 Deliverables list  
 Monitoring plan and capacity development indicators  
 Sustainability prospects  
 Budget  
 Documents  
 Declaration

#### Project overview

Project ID: BID-LAC2025-MIG-090 (assigned during Concept Note review)

**Project title:** Disentangling the Veil Line for Brazilian Biodiversity through Program for Biodiversity Research (PPBio) Data Mobilization

**Select the BID 2025 grant type before completing the rest of the form. You will only be able to proceed and complete all sections of the form after choosing one of the two grant types.**

**BID 2025 grant type:** Multi-institutional biodiversity data mobilization grant

**Select region:** Latin America and the Caribbean

Your project must take place between 01 February 2026 and 31 January 2028.

**Project start date :** 2/3/2026

**Project end date :** 30/11/2027

**FULL PROPOSAL:** Please update the information below as needed.

**Project overall objective:**

To mobilize the vast amount of ecological datasets generated by The Biodiversity Research Program (PPBio), Brazil's largest publicly funded research network, established in 2004 by the Ministry of Science, which remain largely undiscoverable. This effort will enhance their visibility, accessibility, and reuse for science, conservation, and policy.

**Expected outcome(s)/Impact(s):**

PPBio is the country's largest publicly funded ecological research network, coordinating standardized biodiversity monitoring across all major biomes. It shares data through platforms like SiBBR and GBIF as part of the global GBIF network (<https://www.gbif.org/network/55d38654-7954-46c6-ad18-7730a6a7f586>). Despite this, PPBio currently publishes only 13 datasets via its IPT (<https://ipt.sibbr.gov.br/ppbio/>), while many ecological datasets remain unpublished, with numerous others hosted in repositories such as DataONE. This gap results mainly from researchers' resistance to use the MeasurementOfFact extension, preferring data organized in columns for easier correlation analyses. This project will overcome these barriers by delivering targeted training and developing user-friendly tools for data standardization and post-publication analysis. Expected outcomes include increased publication of standardized datasets and enhanced support for research, policy, and conservation efforts.

**Project lead and partners**

---

**Project lead**

**Project lead organization:** Brazilian National Research and Education Network

**Primary contact:** Christian Miziara de Andrade

**Email:** christian.miziara@mp.br

**Alternative contact within the project lead organization:** Clara Baringo Fonseca

**Country of project lead organization:** Brazil

**Experience in managing and leading data mobilization projects**

Please provide a short overview of your organization's experience in leading and managing grants and projects. Highlight any specific experience in participating and/or leading data mobilization projects.

The National Education and Research Network (RNP) operates and maintains SiBBR, coordinated by MCTI, which updates Brazil's ecological data networks on GBIF and represents the country in OBIS. Ecological datasets, especially those focused on marine and aquatic environments, are also shared via OBIS. RNP and SiBBR actively engage in GBIF discussions on data packages and the Humboldt Core extension, ensuring Brazil's contributions align with international standards. RNP provides up to 40 online training sessions per year to support researchers in data standardization and expedition template preparation. It also develops tools and best-practice guidelines for organizing ecological data. All resources are openly available on the Darwin Core Brasil GitHub repository, promoting broader adoption and improved data quality across the community.

**Project partner(s)**

**FULL PROPOSAL:** Please update the information below as needed. Remember that ALL listed partners must be confirmed.

Please remember that, in addition to the lead organization, Multi-Institutional Grants **MUST** involve at least two partner institutions from eligible countries within their region.

**The Ministry of Science, Technology and Science - Claudia Morosi**

---

**Role in the project:** Brazilian Node Manager

**Country:** Brazil

**Email:** cmorosi@mcti.gov.br

**Partner confirmed?:** Yes

**National Institute for Amazonian Research - Clarissa Rosa**

---

Role in the project: Project Partner  
Country: Brazil  
Email: rosacila.eco@gmail.com  
Partner confirmed?: Yes

---

**Federal University of Mato Grosso - Domingos de Jesus Rodrigues**

---

Role in the project: Project Partner  
Country: Brazil  
Email: djmingo23@gmail.com  
Partner confirmed?: Yes

---

**Pará State Federal University - Leandro Juen**

---

Role in the project: Project Partner  
Country: Brazil  
Email: leandrojuen@gmail.com  
Partner confirmed?: Yes

---

**The museum Emilio Goeldi - Rogério Silva**

---

Role in the project: Project Partner  
Country: Brazil  
Email: rogeriosilva@museu-goeldi.br  
Partner confirmed?: Yes

---

**Federal University of Maranhão - Cláudia Quintino da Rocha**

---

Role in the project: Project Partner  
Country: Brazil  
Email: rocha.claudia@ufma.br  
Partner confirmed?: Yes

---

**Federal University of Espírito Santo - Patricia Oliveira**

---

Role in the project: Project Partner  
Country: Brazil  
Email: rpatricia@uefs.br  
Partner confirmed?: Yes

---

**Federal University of Pernambuco - Inara Leal**

---

Role in the project: Project Partner  
Country: Brazil  
Email: inara.leal@ufpe.br  
Partner confirmed?: Yes

---

**Federal University of Goiás - Mariana Telles**

---

Role in the project: Project Partner  
Country: Brazil  
Email: tellesmpc@gmail.com  
Partner confirmed?: Yes

---

**Federal University of Minas Gerais - Geraldo Wilson Fernandes**

---

Role in the project: Project Partner  
Country: Brazil  
Email: gw.fernandes@gmail.com  
Partner confirmed?: Yes

---

**University of Brasília - Guarino Rinaldi Colli**

---

Role in the project: Project Partner  
Country: Brazil  
Email: grcolli@unb.br  
Partner confirmed?: No

---

**Federal University of Mato Grosso do Sul - Fábio Roque**

---

Role in the project: Project Partner  
Country: Brazil  
Email: roque.eco@gmail.com  
Partner confirmed?: No

---

**Rio de Janeiro State University - Helena de Godoy Bergallo**

---

Role in the project: Project Partner  
Country: Brazil  
Email: nena.bergallo@gmail.com  
Partner confirmed?: Yes

---

**Federal University of Rio Grande do Sul - Valério Pillar**

---

Role in the project: Project Partner  
Country: Brazil  
Email: vpillar@ufrgs.br  
Partner confirmed?: Yes

---

**University of São Paulo - Allan Iwama**

---

Role in the project: Project Partner  
Country: Brazil  
Email: allan.iwama@gmail.com  
Partner confirmed?: Yes

---

**The Federal University of Southern Bahia - Luiz Magnago**

---

Role in the project: Project Partner  
Country: Brazil  
Email: luiz.magnago@ufsb.edu.br  
Partner confirmed?: Yes

---

**Federal University of Sao Paulo - Ronaldo Christofolletti**

---

Role in the project: Project Partner  
Country: Brazil  
Email: christofolletti@unifesp.br  
Partner confirmed?: Yes

---

**[Project description](#)**

---

**Provide a brief summary covering the key aspects of your project**

Your project summary should:

1. Explain how the project aligns with the objectives of the BID call for proposals.
2. Outline the regional needs the project addresses and how these needs have been identified (e.g., through research, community consultations, reports, or other assessments).
3. Demonstrate how the project builds upon past achievements to sustain and enhance their impact (for lead institutions that have previously received BID programme support).
4. Describe the project's potential to deliver long-term benefits for biodiversity.

**FULL PROPOSAL:** Please update the information below as needed.

The Darwin Core standard was initially designed for publishing occurrence data, mainly from biological collections. Over time, improvements to both the standard and GBIF infrastructure have enabled the publication of more complex data types, such as sampling event data. Brazil is a global leader in publishing these datasets through IPT instances like IPT PELD and Reparação.

However, the PPBio network still publishes only 13 datasets, despite assessments indicating that hundreds more remain unpublished across Brazil (<https://doi.org/10.1016/j.scitotenv.2024.174880>). This is largely due to the complexity of using Event Core, which—when combined with the MeasurementOrFact extension—structures measurement data in rows rather than in the column-based format preferred by researchers. This makes data preparation, publication, and subsequent analysis more difficult for many researchers.

To address this, new tools and workflows are needed to convert published data into more analysis-friendly formats. While online training materials and resources have improved data management practices, they are still not sufficient to meet growing demands. In-person training sessions remain essential to build institutional capacity, foster collaboration across PPBio.

The project also emphasizes the development of controlled vocabularies, standardized sampling protocols, and clearer guidelines to improve dataset discoverability, interoperability, and analytical potential. This initiative will also evaluate and test the Humboldt Core extension as a potential solution to improve data structuring. Other innovations, such as data visualization modules and Darwin Core Data Packages, will also be explored to accelerate the mobilization, standardization, and reuse of sampling event data. Strengthening the PPBio Network and fostering community alignment around best practices is key to supporting informed biodiversity conservation and maintaining Brazil's leadership in global biodiversity data sharing.

**Expected use of the data to be mobilized by the project**

Please describe how the data your project aims to mobilize through GBIF will support clearly identified regional or national biodiversity data priorities.

The mobilization of ecological data through networks like PPBio is essential for identifying data gaps and guiding strategic biodiversity monitoring. Gap analysis helps reveal under-sampled regions, ecosystem types, and taxonomic groups, enabling more efficient allocation of research efforts and resources. High-quality, standardized datasets are fundamental for developing reliable indicators to assess biodiversity trends over time. These indicators are critical for measuring progress toward national and global biodiversity targets, such as those established under the Kunming-Montreal Global Biodiversity Framework. Initiatives like the Observatório da Biodiversidade play a central role in integrating data and generating indicators to evaluate the impacts of climate change and inform evidence-based conservation policies. Accessible, robust ecological data are the foundation for effective decision-making, long-term planning, and accountability in biodiversity governance.

**Response to recommendations from the Selection panel**

Describe how your full proposal addresses the recommendations from the selection panel following the assessment of your concept note.

**Recommendations received from the Selection panel:**

In preparing your full proposal, the panel recommends:

- **Listing all dataset deliverables.** As the BID programme funds data mobilization projects, clearly list all datasets expected to be published by the project in the "Dataset Deliverables" section of the form. Provide sufficient detail to demonstrate that the data are relevant to the project's stated objectives.
- **Providing a clear, realistic, and justified project budget.** Noting that the second stage of the selection process will be competitive, all full proposals are encouraged to focus on providing a clear, realistic, and well-justified project budget.

**Response to recommendations from the selection panel****Alignment with the objectives of the BID call for proposals and regional needs****Relevance with the objectives of the BID call for proposals**

Please elaborate on how your project align with the objectives of the BID calls for proposals

**Relevance to identified regional needs**

Please elaborate on how your project align with the identified regional needs.

- Explain how the regional needs were identified, specifying the relevant sources
- Describe how your project's activities and deliverables will directly address these needs

## Activities and deliverables

### Milestones and Mandatory Events

**BID Capacity enhancement Workshop:** Mandatory attendance of a project team member.

**Mandatory milestones attached to the Midterm report:**

1. Publication of at least one dataset through GBIF.org
2. Gain certification at BID Capacity Enhancement Workshop

**Mandatory milestones attached to the final report:**

1. Completion of all activities
2. Production of all deliverables.

**FULL PROPOSAL:** Please update the information below as needed.

Please remember that Multi-Institutional Grants **MUST** include activities in each of the three areas listed in the BID call for proposal for this grant type.

Please remember that **ALL** activities must take place **WITHIN** the project implementation period.

## AREA 1: BUILDING AND EXPANDING DATA-SHARING NETWORKS

### 01 Mar 26 - 31 Mar 26: Kick-off virtual meeting with project partners

Activity description	Deliverable or Impact
Online meeting with project partners to kick off the project. Discuss next steps, identify key partners, define the program and schedule. The meeting will also cover future communication channels, event dates, and other organizational matters.	Email list, communication channels, and creation of a webpage on the SiBBR website with the project content.

### 01 Jun 26 - 31 Aug 26: Workshop 1 PPBio Network - North and Northeast Regions of Brazil

Activity description	Deliverable or Impact
PPBio network in-person workshop for training and discussion of good practices and controlled vocabulary terms in Darwin Core, Humboldt Core and DarwinCore DP.	Enhance curation skills in data standards; promote capacity building through knowledge sharing; support alignment on best practices and controlled vocabulary for publishing ecological data.

### 01 Jun 26 - 31 Aug 26: Workshop 2 PPBio Network - Central-West, South and Southeast Regions of Brazil

Activity description	Deliverable or Impact
PPBio network in-person workshop for training and discussion of good practices and controlled vocabulary terms in Darwin Core, Humboldt Core and DarwinCore DP.	Enhance curation skills in data standards; promote capacity building through knowledge sharing; support alignment on best practices and controlled vocabulary for publishing ecological data.

## AREA 2: MOBILIZING BIODIVERSITY DATA

### 01 Apr 26 - 30 Sep 26: Monthly online webinars on sampling event data

Activity description	Deliverable or Impact
Monthly webinars on sampling event data, covering topics such as data and metadata management, the Darwin Core standard, use of controlled vocabularies, licensing, data governance, publishing tools, and data quality. The activity also includes the development of data collection templates tailored to different research contexts and taxonomic groups.	Increased capacity among participants to publish high-quality, standardized ecological data. Outputs include webinar materials (presentations and recordings), a set of practical guidelines, and data collection templates that support data mobilization, streamline data entry, and data publishing workflow. All published through darwinCoreBrasil GitHub

### 01 Apr 26 - 30 Jun 26: Survey of Ecological Data Projects from the PPBio Network in Brazil

Activity description	Deliverable or Impact
Diagnosis of the number of completed (or ongoing) projects and survey of the number of ecological data sets produced in Brazil by PPBio Network. Selection of three scholarships to survey existing datasets and metadata by institution and PPBio network with reference to the article <a href="https://doi.org/10.1016/j.scitotenv.2024.174880">https://doi.org/10.1016/j.scitotenv.2024.174880</a> .	Publication of all metadata in SiBBR (projects and data collections), in the PPBio IPT, and through GBIF, also registering and sharing the data through OBIS and the PPBio network on GBIF.

### 01 Apr 26 - 30 Sep 26: Support tools for standardization and analysis of ecological datasets

**Activity description**

Improve the current tools that support the standardization of measurements, such as <https://mycena.sibbr.gov.br/>, as well as develop new tools to facilitate correlation analyses and the use of data in analytical software such as R.

**Deliverable or Impact**

Tools available for researchers to enable data availability in SiBBr and GBIF, with open-source code and appropriate documentation for use by other nodes.

**01 Oct 26 - 31 Oct 26: Workshop on Data Mobilization and Publishing using IPT****Activity description**

Specialized training for the scholarship holders who will be hired to organize all the data from the Network.

**Deliverable or Impact**

Scholarship holders trained and prepared to organize, standardize, and publish sampling event data

**01 Nov 26 - 30 Jun 27: Publishing sampling event data through IPT****Activity description**

Selection of three scholarships to organize, standardized and publish all data from the previous surveys through IPT

**Deliverable or Impact**

PPBIO Network project data published in SiBBr and GBIF

**AREA 3: SUPPORTING THE INTEGRATION OF BIODIVERSITY INFORMATION INTO RESEARCH AND POLICYMAKING PROCESSES****01 Feb 27 - 30 Jun 27: SiBBr team participates in the annual PPBio meeting****Activity description**

Data symposium during the PPBIO annual meeting to discuss the results obtained, good practices, data flows and next steps.

**Deliverable or Impact**

Strengthening sustainability in the PPBio Network data management to support decision-making aimed at biodiversity conservation

**DATASETS DELIVERABLES****Provide a list of the datasets your project will mobilize through GBIF**

There are several classes of datasets supported by GBIF that start simple and become progressively richer, more structured and more complex (see <https://www.gbif.org/article/3NNEFbAK2Olyfpo91mEAN6>). We encourage all BID applicants to aim making their datasets as rich as possible to support wider use of the data. For more information about dataset types on GBIF, please consult this [blog article](#)

List all the datasets your project aims to publish through GBIF by selecting the + icon. To remove an entry, click on the red minus sign icon.

**OTHER DELIVERABLES****Provide a list of the other deliverables produced as a result of your project**

Select the + icon to input each deliverable.

**Monitoring plan****Capacity development indicators**

The project will use the mandatory capacity development indicators below to assess its impact:

**Mandatory Binary indicators (Yes/No):**

- Data mobilized contribute to relevant goals and targets of GBIF
- Data mobilized support policy-relevant information products

**Mandatory Quantitative indicators**

- Number of institutions represented in events organized by the project
- Number of people trained by the project
- Number of replication workshops organized by the project
- Number of georeferenced species occurrence records published by the project

Please select any other relevant capacity development indicators that should be used to assess the impact of your project. You may select as many as applicable.

If your project is selected, you will be required to report on both the mandatory indicators and your chosen indicators in your midterm and final reports.

**Additional binary indicator(s)**

**Additional quantitative indicator(s)**

**Sustainability prospects**

Highlight potential risks that may prevent the successful realization of the project objectives and detail possible mitigation actions.  
 Explain the approach that will be taken to ensure the long-term sustainability of the project's impact.

**Budget**

**Local Currency and Exchange Rate**

All costs should be entered in your local currency and will be automatically converted to Euros. Input the name of your local currency and today's exchange rate below.

**Local Currency:**

**Local Currency Exchange Rate: 1 EURO**

=

Select **Save** or **Save And Close** at the bottom in order for your budget table and Euro calculations to appear. If you selected **Save And Close**, select **Edit** at the top right to resume editing.

How to fill in the Budget Table:

1. Click the **“+” icon** next to the Budget line.
2. In the pop-up window, select:
  - The **activity** the expense relates to.
  - The **expense category** (choose one of the five available).
3. Enter a **title** for the expense.
4. Write a **brief explanation** of what the expense covers.
5. Repeat for each cost you want to include in the project.

For detailed budget instructions, click [here](#).

**BID grant**

**BID grant requested for the project - Concept Note summary**

Activity	Grant funding allocation (Euro)
Kick-off virtual meeting with project partners	€ 0
Monthly online webinars on sampling event data	€ 0
Survey of Ecological Data Projects from the PPBio Network in Brazil	€ 6,750
Support tools for standardization and analysis of ecological datasets	€ 6,000
Workshop 1 PPBio Network - North and Northeast Regions of Brazil	€ 9,000
Workshop 2 PPBio Network - Central-West, South and Southeast Regions of Brazil	€ 9,000
Workshop on Data Mobilization and Publishing using IPT	€ 3,250
Publishing sampling event data through IPT	€ 24,000
SiBBR team participates in the annual PPBio meeting	€ 2,000
<b>Total BID funds requested for the project</b>	<b>€ 60,000</b>

**BID grant requested for the project - Full Proposal summary**

Activity Area	Budget Local	Budget Euros	Co-Funding Local	Co-Funding Euros
<b>Building and expanding data-sharing networks</b>				
Kick-off virtual meeting with project partners	0	0	0	0
Workshop 1 PPBio Network - North and Northeast Regions of Brazil	0	0	0	0
Workshop 2 PPBio Network - Central-West, South and Southeast Regions of Brazil	0	0	0	0
<b>Building and expanding data-sharing networks Budget Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Mobilizing biodiversity data</b>				
Monthly online webinars on sampling event data	0	0	0	0
Survey of Ecological Data Projects from the PPBio Network in Brazil	0	0	0	0
Support tools for standardization and analysis of ecological datasets	0	0	0	0
Workshop on Data Mobilization and Publishing using IPT	0	0	0	0
Publishing sampling event data through IPT	0	0	0	0
<b>Mobilizing biodiversity data Budget Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Supporting the integration of biodiversity information into research and policymaking processes</b>				

SiBBr team participates in the annual PPBio meeting	0	0
Supporting the integration of biodiversity information into research and policymaking processes Budget Total	0	0
<b>Grand Total</b>	<b>0</b>	<b>0</b>

**BID grant requested (Amount in Euros):** €60,000.00

#### Co-funding

**Co-funding Offered (amount in Euros):** €120,000.00

#### Contribution of co-funding to the project

The co-funding includes all training activities and tutoring hours to support scholarship recipients in topics such as data and metadata organization, updates to the GitHub repositories for standards discussions, project management support, reporting, and overall project progress. It also covers all necessary infrastructure support and maintenance to ensure the continuous flow of data from the researcher to the node and to GBIF, as well as the event venues and the support provided by all coordinators from institutions involved in PPBio projects.

#### Document(s)

##### Mandatory documents

###### Institutional Tax Statement (project lead organization only).

Please upload a letter, from the Chief Financial Officer or similar position, confirming your institution's tax status and capability and willingness to start and 'pre-finance' scheduled activities in advance of receiving grant funds (see template at: <https://www.gbif.org/document/74qYEL86CiKkUqiZgmcHTy/tax-status-and-pre-financing-willingness-letter>) by selecting the + icon.

Institutional tax statement - Mandatory

##### Letters of support

Please upload the following letters of support:

- Letter(s) of support from relevant GBIF Node manager(s) or GBIF Head(s) of Delegation - Template to be used can be downloaded at <https://www.gbif.org/document/4n4Twkn2pguFj5cZq3lPEf/letter-of-endorsement-hodsnode-managers>
- Letter(s) of support from listed partners - Template to be used can be downloaded at <https://www.gbif.org/document/2Jz6NMUoRAZcRRLUSeilG6/letter-of-confirmation-partners>

**Make sure to select the correct document type (i.e., "Institutional Tax Statement – Mandatory", "Partner Written Confirmation", or "Statement of Endorsement") from the dropdown menu before clicking "Start to Upload".**

Please upload other relevant documents by clicking on the "+" sign in the top right corner of the mandatory document section.

#### MANDATORY DOCUMENT

##### Optional document(s)

Supplementary information.

Please upload other relevant documents by clicking on the "+" sign in the top right corner of the document section. Please note that we cannot guarantee that other supplementary information provided as attachments will be reviewed.

#### OPTIONAL DOCUMENTS

 Endorsement\_Node.pdf



##### Statement of Endorsement

Added by Christian Miziara de Andrade at 11:16 PM on 26 May 2025

#### Declaration

- I confirm that all activities in the project are not-for-profit
- I confirm that data and outputs generated by the project will be accessible under CC0 1.0 or a CC BY 4.0 licence

*GBIF—the Global Biodiversity Information Facility—is an international network and data infrastructure funded by the world's governments and aimed at providing anyone, anywhere, open access to data about all types of life on Earth.*

*GBIF leads the Biodiversity Information for Development, or BID, a programme funded by the **European Union**.*

