Pôle “Agriculture Environnement Biodiversité” (AEB)

**Projet Thématique Long 1 “Adaptation des plantes aux changements globaux”**

**Call for proposals : exploratory projects and PhD projects**

The PTL1 aims to deepen our understanding of how plants, in interaction with associated organisms, respond to and adapt to a changing environment. The objective is to better grasp their adaptation capabilities and explore ways to enhance them, in order to achieve better resilience of ecosystems and agroecosystems while ensuring sustainable agricultural production in the context of global changes. The project seeks to unite the expertise and knowledge of research teams working at different scales and using various disciplinary approaches (physiology, biochemistry, genetics, microbiology, phytopathology) on environmental constraints or stresses as diverse as physical-chemical changes in the atmosphere and soil or the influence of pathogenic, symbiotic, or commensal organisms. Two levels of integration will be considered: plant responses to combinations of stresses (both biotic and abiotic) as well as the integration of different scales (from molecules to whole plants and their interactions within a population).

As part of the implementation of this project, two types of calls for proposals are offered: exploratory scientific projects and PhD fellowships.

**Call for two types of projects:**

1. **PHD projects**, comprising full fellowship + bench fees, supervised by researchers from 2 different research units of Montpellier AEB cluster: 150 k€

2. **Exploratory projects,** involving at least 2 different research units of Montpellier AEB cluster: maximum funding of 50k€, for a 2-year duration.

**Submission details**

Proposals (application form + CVs of the partners/ supervisors) must be submitted in English as a PDF file using the provided template. They should be sent via email (pole-aeb-ptl1-copil@umontpellier.fr) by April the 7th, 2025 (17:00, Paris time).

**Selection process:**

**Application deadline: April the 7th, 2025, 17:00, Paris time**

**Evaluation-selection: April-May 2025**

**Notification: Early June 2025**

**Starting date: October 2025**

**Evaluation and eligible criteria**

* **Affiliation of the lead laboratory to the AEB cluster**

**• Alignment of the project with the specificity of the PTL1 (responses to multiple and/or multi-scale stresses, see the descriptive presentation text of PTL1).**

**• Multidisciplinarity: Collaborations between at least 2 research units of Montpellier AEB cluster**

**• Originality and novelty of the project**

**• Feasibility**

**• Clarity of the proposal**

 **For equivalent quality, priority will be given to young researchers/teaching researchers (JCJC ANR criteria: thesis defended less than 10 years ago, permanent position for less than 5 years).**



**Application form**

**Project category (choose one):**

* PhD project
* Exploratory project

|  |  |
| --- | --- |
| **Title of the project** |  |
| **Acronym:** |  |
| **Total Cost**  |  |
| **Duration of the project (number of months and provisional dates)** |  |
| **Student supervisors** |  |

Project coordinator 1

|  |  |
| --- | --- |
| First Name - Last Name |  |
| Email |  |
| Position (HDR Yes-No) |  |
| Employer |  |
| Laboratory, Institution  |  | Number of permanent researchers and lecturers |  |
| Name of Head of the Unit 1 - |  |
| Email of Head of the Unit 2  |  |

Project coordinator 2[[1]](#footnote-1)

|  |  |
| --- | --- |
| First Name - Last Name |  |
| Email |  |
| Position (HDR Yes-No) |  |
| Employer |  |
| Laboratory, Institution |  | Number of permanent researchers and lecturers |  |
| Name of Head of the Unit 2  |  |
| Email of Head of the Unit 2 |  |

|  |  |
| --- | --- |
| Visa of Project manager 1,  | Visa of Project manager 2,  |

|  |  |
| --- | --- |
| Visa of the Director of Research Unit 1 (UMR - UR)    | Visa of the Director of Research Unit 2 (UMR - UR)  |

**Summary** (250 words)

**Key words** (10 words)

**Objectives, hypotheses & research questions** (1/2 page)

**Position of the project as it relates to the state of the art** (1 page)

*Emphasize the originality of the project - concerning its objectives and its methodology – and its position in relation to the state of the art; show the contributions of the project partners to this state of the art; present any preliminary results.*

**Detailed work program (including expected results & deliverables)** (2 pages)

*Organization and planned progress of the project, materials, methods and potential results expected.*

**Description of the Research Consortium, their collaboration and its relevance to the PTL1** (1/2 page)

## *Scientific coordinators, team, interdisciplinarity, complementarity, comment on* *the degree of multidisciplinary interaction, with emphasis on the promotion of new partnerships between the different disciplinary axes. Proposals with active collaboration between researchers and a clear integration of diverse expertise will be prioritized.*

**Innovative or risky nature of the thesis** (½ page - only for PhD project)

*Describe the feasibility of the project and address potential challenges or risk and propose alternative strategies.*

**Supervision and working environment of the student** (½ page - only for PhD project)

*How will the supervision of the PhD student be organized and how will it be coordinated between the partner laboratories.*

*Skills required for the student*

**Gantt chart/timetable**

*A clear timeline and structure of the project should be included to demonstrate how the research will be executed.*

**References**

*This section must include all the references cited in the text (which must be limited to those strictly necessary for understanding the project), as well as 5 publications signed by the applicants or involving team members.*

**Funding plan** (1/2 page)

*Details of the funding requested for operations and equipment will be listed in the table and then justified by a brief description.*

**Total Cost of the project:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Partner name** | **Detail of the expenses** | **Type of expenses (Running cost, Equipment, Platform services, internship,Travel…** | **Cost** |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   | Total |   |   |

**Amount request for partner 1 :**

**Amount request for partner 2 :**

**Amount requested by partner n :**

**Justification of the expenses** (1 paragraph):

**Staff involved in the project**

| Name | Institution/Laboratory | Position | Function in the project | Degree of involvement in the project (percentage) |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Has this project or part of it been submitted to another call?** YES - NO

**CV of the partners** (including the ongoing funded projects) (1 page)

1. To be duplicated if there are more than 2 project managers [↑](#footnote-ref-1)