



EUROPEAN RESEARCH COUNCIL EXECUTIVE AGENCY  
(ERCEA)

ERCEA.C – Grant Management Department  
C.1 – Grant Management & Financial Operations Coordination

**AMENDMENT Reference No AMD-805189-6**

**Grant Agreement number: 805189 — Why is the world green: testing top-down control of plant-herbivore food webs by experiments with birds, bats and ants (BABE)**

The parties agree to amend the Grant Agreement as follows ('Amendment'):

**1. Change of Annex 1 (description of the action)**

**Annex 1** is changed and replaced by the Annex 1 attached to this Amendment.

**2. Change of the action's duration**

The duration of the action in **Article 3** is changed to 68 months.

**3. Change of the reporting periods**

The scientific and financial reporting periods are changed.

This implies the **following changes** to the Grant Agreement:

- The scientific reporting periods in **Article 20.2** are replaced by:
  - “ - SRP 1 : from month 1 to month 30
  - SRP 2 : from month 31 to month 68”
- The financial reporting periods in **Article 20.3** are replaced by:
  - “ - FRP 1 : from month 1 to month 18
  - FRP 2 : from month 19 to month 36
  - FRP 3 : from month 37 to month 54
  - FRP 4 : from month 55 to month 68”

All other provisions of the Grant Agreement and its Annexes remain unchanged.

This Amendment **enters into force** on the day of the last signature.

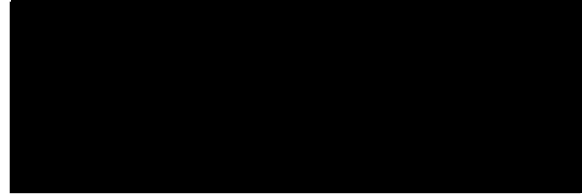
This Amendment **takes effect** on the date on which the amendment enters into force, except where a different date has been agreed by the parties (for one or more changes).

**SIGNATURES**

For the principal beneficiary



For the Agency



Enclosures:

Annex 1



**EUROPEAN RESEARCH COUNCIL EXECUTIVE AGENCY  
(ERCEA)**

ERCEA.C – Grant Management Department  
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**ANNEX 1 (part A)**

**Starting Grant**

**NUMBER — 805189 — BABE**

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## 1.1. The project summary

Project Number <sup>1</sup>	805189	Project Acronym <sup>2</sup>	BABE
<b>One form per project</b>			
<b>General information</b>			
Project title <sup>3</sup>	Why is the world green: testing top-down control of plant-herbivore food webs by experiments with birds, bats and ants		
Starting date <sup>4</sup>	The first day of the month after the signature by the Agency		
Duration in months <sup>5</sup>	68		
Call (part) identifier <sup>6</sup>	ERC-2018-STG		
Topic	ERC-2018-STG ERC Starting Grant		
Fixed EC Keywords	Coevolution, biological mechanisms and ecology of species interactions (e.g. symbiosis, parasitism, mutualism, food-webs)		
Free keywords	tropical ecology, latitudinal diversity gradients, plant-insect interaction, predator exclusions, predation		
<b>Abstract <sup>7</sup></b>			
<p>Why is the world green? Because predators control herbivores, allowing plants to flourish. This &gt;50 years old answer to the deceptively simple question remains controversial. After all, plants are also protected from herbivores physically and by secondary chemistry. My goal is to test novel aspects of the “green world hypothesis”:</p> <ul style="list-style-type: none"> <li>• How the importance of top-down effects varies with forest diversity and productivity along a latitudinal gradient?</li> <li>• How the key predators, birds, bats and ants, contribute to top-down effects individually and in synergy? I strive to understand this because:</li> <li>• While there is evidence that predators reduce herbivore abundance and enhance plant growth, the importance of top-down control is poorly understood across a range of forests.</li> <li>• The importance of key predatory groups, and their antagonistic and synergic interactions, have been rarely studied, despite their potential impact on ecosystem dynamics in changing world. I wish to achieve my goals by:</li> <li>• Factorial manipulations of key insectivorous predators (birds, bats, ants) to measure their effects on lower trophic levels in forest understories and canopies, accessed by canopy cranes, along latitudinal gradient spanning 75o from Australia to Japan.</li> <li>• Studying compensatory effects among predatory taxa on herbivore and plant performance. Why this has not been done before:</li> <li>• Factorial experimental exclusion of predatory groups replicated on a large spatial scale is logistically difficult.</li> <li>• Canopy crane network along a latitudinal gradient has only recently become available. I am in excellent position to succeed as I have experience with</li> <li>• foodweb experiments along an elevation gradient in New Guinea rainforests,</li> <li>• study of bird, bat and arthropod communities. If the project is successful, it will:</li> <li>• Allow understanding the importance of predators from temperate to tropical forests.</li> <li>• Establish a network of experimental sites along a network of canopy cranes open for follow-up research.</li> </ul>			

## 1.2. List of Beneficiaries

Project Number <sup>1</sup>	805189	Project Acronym <sup>2</sup>	BABE
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### List of Beneficiaries

No	Name	Short name	Country	Project entry date <sup>8</sup>	Project exit date
1	BIOLOGICKE CENTRUM AKADEMIE VID CESKE REPUBLIKY VEREJNA VYZKUMNA INSTITUCE	Biology Centre	Czechia		

## 1.3. Workplan Tables - Detailed implementation

### 1.3.1. WT1 List of work packages

WP Number <sup>9</sup>	WP Title	Lead beneficiary <sup>10</sup>	Start month <sup>12</sup>	End month <sup>13</sup>
WP1	Ethics requirements	1 - Biology Centre	1	68

### 1.3.2. WT2 list of deliverables

<b>Deliverable Number<sup>14</sup></b>	<b>Deliverable Title</b>	<b>WP number<sup>9</sup></b>	<b>Lead beneficiary</b>	<b>Type<sup>15</sup></b>	<b>Dissemination level<sup>16</sup></b>	<b>Due Date (in months)<sup>17</sup></b>
D1.1	NEC - Requirement No. 3	WP1	1 - Biology Centre	Ethics	Confidential, only for members of the consortium (including the Commission Services)	12
D1.2	A - Requirement No. 8	WP1	1 - Biology Centre	Ethics	Confidential, only for members of the consortium (including the Commission Services)	12
D1.3	A - Requirement No. 10	WP1	1 - Biology Centre	Ethics	Confidential, only for members of the consortium (including the Commission Services)	12



### 1.3.3. WT3 Work package descriptions

<b>Work package number</b> <sup>9</sup>	WP1	<b>Lead beneficiary</b> <sup>10</sup>	1 - Biology Centre
<b>Work package title</b>	Ethics requirements		
<b>Start month</b>	1	<b>End month</b>	68

#### Objectives

The objective is to ensure compliance with the 'ethics requirements' set out in this work package.

#### Description of work and role of partners

**WP1 - Ethics requirements** [Months: 1-68]

**Biology Centre**

This work package sets out the 'ethics requirements' that the project must comply with.

#### List of deliverables

<b>Deliverable Number</b> <sup>14</sup>	<b>Deliverable Title</b>	<b>Lead beneficiary</b>	<b>Type</b> <sup>15</sup>	<b>Dissemination level</b> <sup>16</sup>	<b>Due Date (in months)</b> <sup>17</sup>
D1.1	NEC - Requirement No. 3	1 - Biology Centre	Ethics	Confidential, only for members of the consortium (including the Commission Services)	12
D1.2	A - Requirement No. 8	1 - Biology Centre	Ethics	Confidential, only for members of the consortium (including the Commission Services)	12
D1.3	A - Requirement No. 10	1 - Biology Centre	Ethics	Confidential, only for members of the consortium (including the Commission Services)	12

#### Description of deliverables

The 'ethics requirements' that the project must comply with are included as deliverables in this work package.

D1.1 : NEC - Requirement No. 3 [12]

The applicant must provide details on the material which will be imported to/exported from EU and adequate authorisation must be provided.

D1.2 : A - Requirement No. 8 [12]

Copies of project authorisations must be submitted.

D1.3 : A - Requirement No. 10 [12]

Copies of training certificates/personal licenses of the staff involved in animal experiments must be provided.

Schedule of relevant Milestones

<b>Milestone number<sup>18</sup></b>	<b>Milestone title</b>	<b>Lead beneficiary</b>	<b>Due Date (in months)</b>	<b>Means of verification</b>
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## 1. Project number

The project number has been assigned by the Commission as the unique identifier for your project. It cannot be changed. The project number **should appear on each page of the grant agreement preparation documents (part A and part B)** to prevent errors during its handling.

## 2. Project acronym

Use the project acronym as given in the submitted proposal. It can generally not be changed. The same acronym **should appear on each page of the grant agreement preparation documents (part A and part B)** to prevent errors during its handling.

## 3. Project title

Use the title (preferably no longer than 200 characters) as indicated in the submitted proposal. Minor corrections are possible if agreed during the preparation of the grant agreement.

## 4. Starting date

Unless a specific (fixed) starting date is duly justified and agreed upon during the preparation of the Grant Agreement, the project will start on the first day of the month following the entry into force of the Grant Agreement (NB : entry into force = signature by the Agency). Please note that if a fixed starting date is used, you will be required to provide a written justification.

## 5. Duration

Insert the duration of the project in full months.

## 6. Call (part) identifier

The Call (part) identifier is the reference number given in the call or part of the call you were addressing, as indicated in the publication of the call in the Official Journal of the European Union. You have to use the identifier given by the Commission in the letter inviting to prepare the grant agreement.

## 7. Abstract

## 8. Project Entry Month

The month at which the participant joined the consortium, month 1 marking the start date of the project, and all other start dates being relative to this start date.

## 9. Work Package number

Work package number: WP1, WP2, WP3, ..., Wpn

## 10. Lead beneficiary

This must be one of the beneficiaries in the grant (not a third party) - Number of the beneficiary leading the work in this work package

## 11. Person-months per work package

The total number of person-months allocated to each work package.

## 12. Start month

Relative start date for the work in the specific work packages, month 1 marking the start date of the project, and all other start dates being relative to this start date.

## 13. End month

Relative end date, month 1 marking the start date of the project, and all end dates being relative to this start date.

## 14. Deliverable number

Deliverable numbers: D1 - Dn

## 15. Type

Please indicate the type of the deliverable using one of the following codes:

R	Document, report
DEM	Demonstrator, pilot, prototype
DEC	Websites, patent filings, videos, etc.
OTHER	
ETHICS	Ethics requirement
ORDP	Open Research Data Pilot
DATA	data sets, microdata, etc.

## 16. Dissemination level

Please indicate the dissemination level using one of the following codes:

- PU Public
- CO Confidential, only for members of the consortium (including the Commission Services)
- EU-RES Classified Information: RESTREINT UE (Commission Decision 2005/444/EC)
- EU-CON Classified Information: CONFIDENTIEL UE (Commission Decision 2005/444/EC)
- EU-SEC Classified Information: SECRET UE (Commission Decision 2005/444/EC)

## 17. Delivery date for Deliverable

Month in which the deliverables will be available, month 1 marking the start date of the project, and all delivery dates being relative to this start date.

## 18. Milestone number

Milestone number: MS1, MS2, ..., MSn

## 19. Review number

Review number: RV1, RV2, ..., RVn

## 20. Installation Number

Number progressively the installations of a same infrastructure. An installation is a part of an infrastructure that could be used independently from the rest.

## 21. Installation country

Code of the country where the installation is located or IO if the access provider (the beneficiary or linked third party) is an international organization, an ERIC or a similar legal entity.

## 22. Type of access

- TA-uc if trans-national access with access costs declared on the basis of unit cost,
- TA-ac if trans-national access with access costs declared as actual costs, and
- TA-cb if trans-national access with access costs declared as a combination of actual costs and costs on the basis of unit cost,
- VA-uc if virtual access with access costs declared on the basis of unit cost,
- VA-ac if virtual access with access costs declared as actual costs, and
- VA-cb if virtual access with access costs declared as a combination of actual costs and costs on the basis of unit cost.

## 23. Access costs

Cost of the access provided under the project. For virtual access fill only the second column. For trans-national access fill one of the two columns or both according to the way access costs are declared. Trans-national access costs on the basis of unit cost will result from the unit cost by the quantity of access to be provided.