



Data Request Form

To obtain data from the European Vegetation Archive (EVA), please first make an enquiry to the EVA database administrator Ilona Knollová (ikuzel@sci.muni.cz) whether the data meeting your needs are available. If they are, please fill in the form below and submit it to Milan Chytrý (chytry@sci.muni.cz) or another member of the EVA Coordinating Board.

- Applicant's name:

Ângela Cristina de Araújo Rodrigues Lomba

- Applicant's institutional address:

CIBIO (Research Centre in Biodiversity and Genetic Resources) – InBIO (Research Network in Biodiversity and Evolutionary Biology)

- Applicant's e-mail:

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- Project title:

Impacts of farmland abandonment on grassland communities across the European territory

- Brief description of aims and methods of the study:

In the last years, negative impacts on biodiversity and ecosystems have been correlated to agricultural intensification, while no consensus has been achieved for the impacts of farmland abandonment. Thus, there's a pressing need to understand drivers underlying the distribution of such valuable plant communities, and to scrutinize potential effects of agricultural abandonment on grassland ecosystems biodiversity across the EU territory.

The overarching goal of this project is to model grassland ecosystems across EU so that a deeper knowledge regarding drivers underlying their current distribution and nature value is achieved. Moreover, this project aims to assess potential impacts of the ongoing proces of farmland abandonment on grasslands extent and composition across the EU territory. Overall, this research project will be developed according to the following tasks:

- (1) Extract and harmonize all geo-referenced grassland plots from EVA within a GIS project;
- (2) Analyze the distribution of grassland plots (EUNIS expert-based classification) across the European territory and in relation to targeted environmental layers (relevant for grassland distribution);
- (3) Assess the relation between distribution of grassland communities across the European territory using cutting-edge, spatially-explicit approaches, and major drivers underlying current distribution of targeted ecosystems. Modelling procedures will be defined based on outcomes from tasks (1) and (2), eg. Generalized Dissimilarity Modelling, GDM; and evaluated for their accuracy according to multiple metrics;
- (4) Relate grassland distribution to EU hotspots of land abandonment;

- Will someone else be involved in data editing or analysis in addition to the applicant?

Yes, specifically on conceptualization and analysis:
-Professor Henrique M. Pereira (iDIV; Leipzig, Germany);
-Professor Antoine Guisan (ECOSPAT; UNIL, Lausanne, Switzerland)

- Estimated time of delivery of results (e.g. manuscript submission):

Results are expected late 2017, and manuscript submission expected to early-mid 2018

- Geographic area needed (e.g. countries or range of geographic coordinates):

All georeferenced plots located in the European continent

- Vegetation types needed (syntaxa):



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All grassland types, including natural and semi-natural grassland formations (wet, mesic and dry, including dehesas)(all)

- Other data selection criteria:

All georeferenced plots

- Envisaged publications:

(1) Research Paper on changes in grassland ecosystems extent and composition under scenarios of agricultural abandonment;
(2) Follow-up, conceptual paper focusing implications of distinct management practices for the maintenance of agricultural-dependent biodiversity

- Specification of the co-authorship arrangements in publications based on the requested data (e.g. the extent of possible involvement of the original data providers, or of EVA data managers if extra work for this project is needed from them):

During all project (from data management and analysis to manuscript outline and preparation), all contributors, including the EVA Coordinating Board, will be informed, with a bi-monthly frequency, regarding its progress. Specifically, all will be informed when major outcomes are achieved and when the submission of an abstract is decided.

Specifically regarding manuscripts resulting from the project, when results are available, a first outline will be sent and discussed with all contributors, following EVA-rules.

- Data requests by applicants who are not custodians or deputy custodians of the EVA databases must be approved by one of the EVA database custodians. Such requests should be submitted either by the custodian or by the applicant with CC to the custodian. If you are not a custodian, please indicate the name of the custodian who has approved your data request here:

Idoia Biurrun (idoia.biurrun@ehu.eus)

I agree with the terms of EVA Data Property and Governance Rules as approved on 26 May 2012

(<http://euroveg.org/download/eva-rules.pdf>).

I am willing to contribute to the improvement of the quality of EVA databases by reporting any errors in these databases found during my work to the custodian of the particular database and to the EVA database manager Ilona Knollová (ikuzel@sci.muni.cz).

Vila do Conde, Portugal, 30th November 2016

(Ângela Lomba)