



## 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:

Melinda de Jonge

- Applicant's institutional address:

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- Project title:

Accounting for competition between species in large-scale species distribution models

- Brief description of aims and methods of the study:

This request is a follow up on an earlier request by Aafke Schipper (2016-03-24) on the same topic. The previous request only considered European grassland relevés, this request considers all terrestrial vegetation as we want to expand the study beyond grasslands before publishing our results.

Summary:

Species distribution models (SDMs) constitute a common approach in biodiversity modelling. However, SDMs typically ignore biotic interactions, which may significantly modify species distributions. In this project, we aim to establish and test a procedure to account for biotic interactions in large-scale species distribution models. We plan to use newly developed joint species distribution modelling (JSDM) approaches combined with a spatial component that can relate the occurrence probability of each species to a set of environmental characteristics as well as biotic interactions (within and between species). Using monitoring data from EVA would provide a unique opportunity to develop and test our approach on a large-scale dataset with excellent taxonomic coverage.

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

- Radboud University, Nijmegen (prof. dr. Mark Huijbregts)
- PBL Netherlands Environmental Assessment Agency (dr. Aafke Schipper, prof. dr. Mark Huijbregts)
- Alterra Wageningen UR (Stephan Hennekens)



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- Estimated time of delivery of results (e.g. manuscript submission):
- Geographic area needed (e.g. countries or range of geographic coordinates):
- Vegetation types needed (syntaxa):
- Other data selection criteria:
- Envisaged publications:
- 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):
- 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:

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](mailto:ikuzel@sci.muni.cz)).

Nijmegen, 1 November 2016

Melinda de Jonge