



## 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:

Juan Antonio Campos, Idoia Biurrun

- Applicant's institutional address:

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- Project title:

Diversity and syntaxonomic revision of the European Atlantic heathlands (*Calluno-Ulicetea*)

- Brief description of aims and methods of the study:

The aim of this project is to assess the taxonomic and phylogenetic diversity and variation in floristic composition of European Atlantic heathlands using vegetation-plot data from the whole geographical range of these shrublands. Various supervised and unsupervised classification and ordination methods will be used. Based on these analyses, new syntaxonomic classification of these communities will be proposed. Univariate and multivariate methods will be used for analysing the diversity patterns and their relationship with bioclimatic factors.

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

Juan Antonio Campos, Idoia Biurrun (custodian of the Vegetation-Plot Database of the University of the Basque Country (BIOVEG), EU-00-011) and Borja Jiménez-Alfaro (Masaryk University) will lead data editing and analysis. Further, some members of the Flora and Vegetation Research Group of the University of the Basque Country will be involved in the analysis of data and redaction of the manuscripts: Itziar García-Mijangos, Mercedes Herrera and Javier Loidi. Confidentiality in data use will be guaranteed.

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

September 2019 or earlier.

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

All European countries, mainly Andorra, Austria, Belgium, Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden and Switzerland. To meet the objectives of the study and encompass all the potential area of distribution of the



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Atlantic heathlands, Morocco will also be included.

- Vegetation types needed (syntaxa):

*Calluno-Ulicetea*: alliances *Ericion cinereae*, *Ulicion*, *Daboecion cantabrica*, *Ericion umbellatae*, *Genistion micrantho-anglica*, *Stauracanthion boivinii*, *Daboecion azoricae*, *Empetrion nigri*, *Calluno-Genistion pilosae*, *Euphorbio-Callunion*, *Genisto pilosae-Vaccinion*. Subalpine vegetation of *Vaccinio-Piceetea* or *Loiseleurio-Vaccinieta* is excluded.

- Other data selection criteria:

For preselecting relevés not assigned to any syntaxa, floristic criteria will be used (following Loidi et al. 2010): coastal or inland scrub plots with occurrence of two or more taxa as heather (*Calluna vulgaris*), bilberry (*Vaccinium myrtillus*), heath (*Erica* species: *E. vagans*, *E. cinerea*, *E. ciliaris*, *E. tetralix*, *E. mackaiana*, *E. umbellata*, *E. australis*, *E. erigena*, *E. andevalensis*, *E. carnea*), gorse (*Ulex* species: *U. boivinii*, *U. europaeus*, *U. gallii*, *U. minor*, *U. micranthus*), *Halimium alyssoides*, *H. umbellatum*, *H. ocymoides*, *Genista* spp. (*G. anglica*, *G. germanica*, *G. micrantha*, *G. pilosa*, *G. carpetana*, *G. triacanthos*, *G. tridentata* (incl. *Genista lasiantha*, *G. cantabrica*, *G. stenoptera*), *G. tridens*, *Cytisus lotoides*, *Lithodora prostrata*.

However, final selection of relevés not assigned to syntaxa by using target species will be made after a preliminary check of the data.

- Envisaged publications:

1-3 papers in international journals.

- 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):

Juan Antonio Campos will be the lead author of the planned publications. Co-authorship will be offered to a representative of each database that is represented by at least 5% of relevés included in the final analysis (i.e. after stratified selection from the basic data sets) or fewer if they are from vegetation types or regions with general lack of data. Further, persons with significant contribution to data analysis or providers or analysts of other data (e.g. bioclimatic data) may be involved as co-authors.

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>).

Leioa, 16 March 2016

Juan Antonio Campos