



BOTTOMS-UP

PAPER PROJECT

Preliminary title: Validating biodiversity indicators with multitaxonomic data: An Europe-wide analysis

Target journals: Conservation Biology, Biological Conservation, Ecological Indicators

Outline:

Based on the multi-taxon data, the pan-European indicators issued by Forest Europe and the European Environment Agency will be tested. The 3 objectives of this paper will be:

- to assess the scientific relevance of the indicators currently used in SFM for biodiversity at the European scale;
- to assess whether other indicators of SFM outside of the biodiversity criterion may also indicate biodiversity ;
- to also assess whether these indicators are valid across the continent or whether they perform differently across forest types or topographic conditions (e.g. mountain vs lowland forests)

First/lead author: Yoan Paillet

Core authors from BOTTOMS-UP: WG4 and 5 members

Core authors outside BOTTOMS-UP:

Please note that if the outline changes substantially (more than 1 aim is revised substantially), or co-author(s) are added to the above lists the governing board should re-vote on the project.

Further opt-in authors:

According to the BOTTOMS-UP Bylaws any member of the BOTTOMS-UP Consortium can declare his/her interest to become opt-in author. The first author is required to preliminarily accept one such offer from each dataset that represents at least 2% of the data in the analysis. It is upon the discretion of the first author whether to accept any opt-in offer beyond this requirement.

Persons interested in opt-in authorship can be nominated until with e-mail to the first author (and cc: to the BOTTOMS-UP Governing Board), explaining which dataset(s) they represent and

preferentially also how they could contribute. Note however that such a nomination only means the option to become co-author. In the end only those persons will be retained as actual co-authors who have made a significant intellectual contribution to the paper during the course of its preparation (in accordance with BOTTOMS-UP Bylaws and compliance to ethics in academy).

Data to be used:

Observation data for which it will be possible to calculate indices corresponding to the Biodiversity indicators and beyond.

Time line:

Deadline for permission of data usage from custodians: 1st trimester 2021

Extraction of data from BOTTOMS-UP: 1st semester 2021

Data preparation and analysis: 2nd semester 2021

Raw results to be sent to the wider author team: end 2021

Writing up of the paper (including preparation/optimization of figures): 1st semester 2022

Feedback round of co-authors to MS:

Submission: End 2022

Confirmation:

I confirm that I will adhere to the BOTTOMS-UP Bylaws.

Date

Signature