Data description

| | | | | | | |
|---|---|---|---|---|---|---|
| **Raw data belonging to:** | | | | | | |
| **Title dataset:** | "Spatially explicit models for decision-making in animal conservation and restoration" | | | | | |
| **Authors:** | Damaris Zurell (Univ. Potsdam, damaris@zurell.de), Christian König, Anne-Kathleen Malchow, Simon Kapitza, Greta Bocedi, Justin Travis, Guillermo Fandos | | | | | |
| **Date of data collection:** | WoS search 9th Feb 2021 | | | | | |
| **Keywords:** | literature search, conservation, restoration, spatially explicit models | | | | | |
| | | | | | | |
| **Column specification:** | | | | | | |
| **Column name** | **Description** | **Values** | | | | |
| **authors** | Authors of reviewed journal article | - | | | | |
| **title** | Title of reviewed journal article | - | | | | |
| **journal** | Journal of reviewed journal article | - | | | | |
| **volume** | Journal volume | - | | | | |
| **issue** | Journal issue | - | | | | |
| **doi** | DOI of reviewed journal article | - | | | | |
| **year** | Publication year of reviewed journal article | - | | | | |
| **ebv_class** | EBV class (class of essential biodiversity variable) | Genetic composition, species populations, species traits, community composition, ecosystem function, ecosystem structure | | | | |
| **ebv_name** | EBV name | See official definitions on https://geobon.org | | | | |
| **organizational_lvl** | Level of organisation | Genes, individuals, populations, species, communities, ecosystems | | | | |
| **model_class** | Broad model category | See Box 1 in main text | | | | |
| **model_type** | Explicit model algorithm used | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **dynamic** | Is the model dynamic ? | Yes/no | | | | |
| **process_evolution** | Modelled process: evolution | Yes/no | | | | |
| **process_env_response** | Modelled process: environmental response | Yes/no | | | | |
| **process_physiology** | Modelled process: physiology | Yes/no | | | | |
| **process_demography** | Modelled process: demography | Yes/no | | | | |
| **process_dispersal** | Modelled process: dispersal | Yes/no | | | | |
| **process_interactions** | Modelled process: species interactions | Yes/no | | | | |
| **threats** | Threats | Climate change, invasive species and disease, land/ sea use change, overexploitation, pollution | | | | |
| **application** | Management application | See Box 2 in main text | | | | |
| **prioritisation** | Decision support | Current mapping, gap analysis, management scenario, global change scenario, cost optimisation | | | | |
| **species_count** | Number of species | Number of species covered by the study | | | | |
| **ecosystem** | Ecosystems | Deserts, farmlands forests, freshwaters, grasslands/ shrublands/ savannahs, islands, mountains, oceans/coasts, peatlands, urban areas, wetlands | | | | |
| **tax_group** | Taxonomic group | Mammals, birds, reptiles, amphibians, fishes, invertebrates, microbes | | | | |
| **spatial_ext** | Spatial extent | < 1km², 1-10 km², 10-100 km², …., > 10.000.000 km² | | | | |
| **spatial_res** | Spatial resolution | < 0.1 km, 0.1-1 km, 1-10 km, 10-100 km, > 100 km | | | | |
| **continent** | Continent | Africa, Antarctica, Asia, Australia, Europe, North America, South America | | | | |
| **pred_period** | Model prediction period | Year start – year end | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |