





The updated Global Naturalized Alien Flora (GloNAF 2.0) database

Amy J. S. Davis¹  | Wayne Dawson² | Franz Essl³ | Holger Kreft^{4,5,6} | Bernd Lenzner³ | Jan Pergl⁷ | Petr Pyšek^{7,8}  | Patrick Weigelt⁹ | Marten Winter¹⁰  | Mark van Kleunen^{1,11,12} 

¹Ecology, Department of Biology, University of Konstanz, Constance, Germany

²Department of Evolution, Ecology and Behaviour, Institute of Infection, Veterinary and Ecological Sciences, University of Liverpool, Liverpool, UK

³Division of BioInvasions, Global Change & Macroecology, Department of Botany and Biodiversity Research, University of Vienna, Vienna, Austria

⁴Biodiversity, Macroecology and Biogeography, University of Göttingen, Göttingen, Germany

⁵Centre of Biodiversity and Sustainable Land Use (CBL), University of Göttingen, Göttingen, Germany

⁶Campus Institute Data Science (CIDAS), University of Göttingen, Göttingen, Germany

⁷Department of Invasion Ecology, Institute of Botany, Czech Academy of Sciences, Průhonice, Czech Republic

⁸Department of Ecology, Faculty of Science, Charles University, Prague, Czech Republic

⁹Department of Environmental Science, Radboud Institute for Biological and Environmental Sciences, Radboud University, Nijmegen, The Netherlands

¹⁰German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Leipzig, Germany

¹¹Zhejiang Provincial Key Laboratory of Plant Evolutionary Ecology and Conservation, Taizhou University, Taizhou, China

¹²Zhejiang Key Laboratory for Restoration of Damaged Coastal Ecosystems, School of Life Sciences, Taizhou University, Taizhou, China

Correspondence

Amy J. S. Davis

Email: amy.davis@uni-konstanz.de

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Abstract

GloNAF is a continuously updated, curated compilation of alien naturalized vascular plant inventories for geographic regions worldwide. Building on its predecessor, GloNAF 2.0 now contains 16,429 taxa and introduces major updates, including the standardization of taxonomic names using the World Checklist of Vascular Plants (WCVP), removal of outdated records, and the net addition of 117,229 new records. These new entries have substantially increased the size of GloNAF, resulting in a 26% increase in the number of naturalized taxa in the database and a 31% increase in the number of geographic regions compared to GloNAF 1.2. We provide an overview of GloNAF 2.0, highlighting its expanded geographic and taxonomic coverage. In addition, we have aligned GloNAF with FAIR data principles through improvements in data accessibility, metadata standards, and support for data reuse. GloNAF 2.0 represents a significant and comprehensive resource for researchers aiming to advance our understanding of the drivers and consequences of biological invasions and naturalization success. The dataset is

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KEYWORDS

global distribution, invasive alien plants, naturalized plants, non-native plants, plant invasions, vascular plants

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DATA AVAILABILITY STATEMENT

The complete data set is available as [Supporting Information](#) in Data S1. Data are also available in Zenodo at <https://doi.org/10.5281/zenodo.13235356>.

ORCID

Amy J. S. Davis  <https://orcid.org/0000-0001-6178-1734>

Petr Pyšek  <https://orcid.org/0000-0001-8500-442X>

Marten Winter  <https://orcid.org/0000-0002-9593-7300>

Mark van Kleunen  <https://orcid.org/0000-0002-2861-3701>

SUPPORTING INFORMATION

Additional supporting information can be found online in the Supporting Information section at the end of this article.

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