

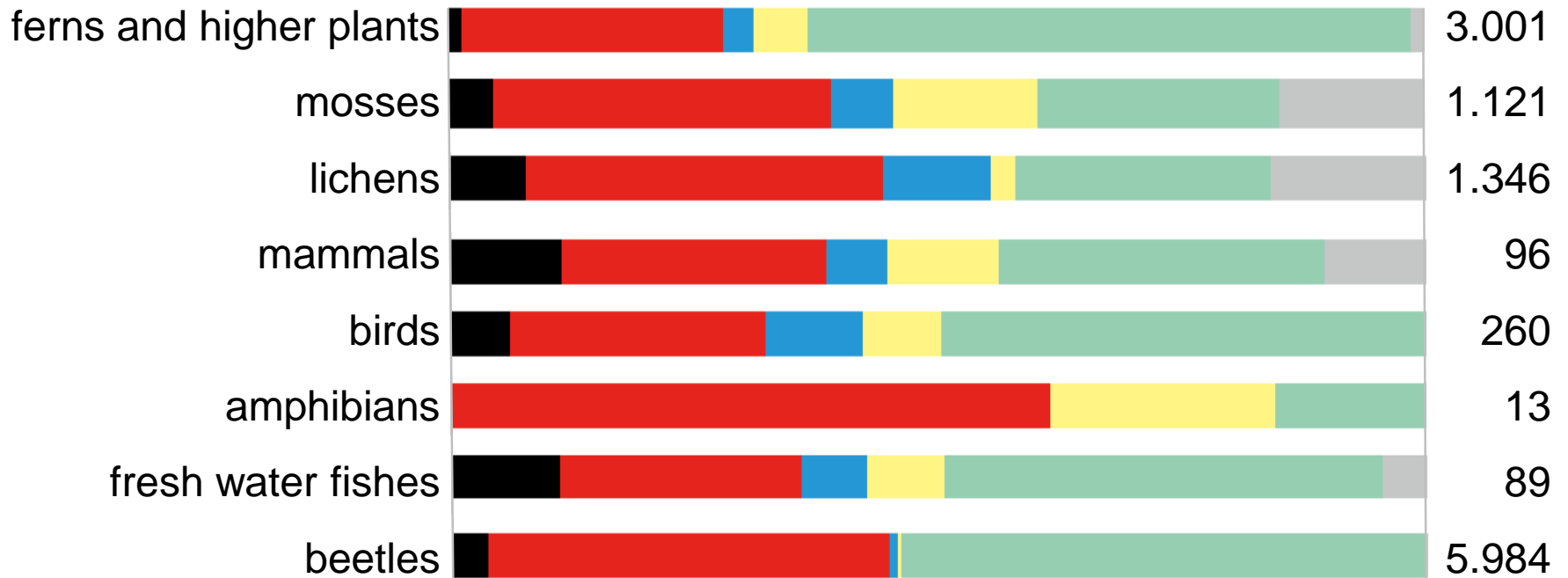


Status quo and challenges for biodiversity in Germany

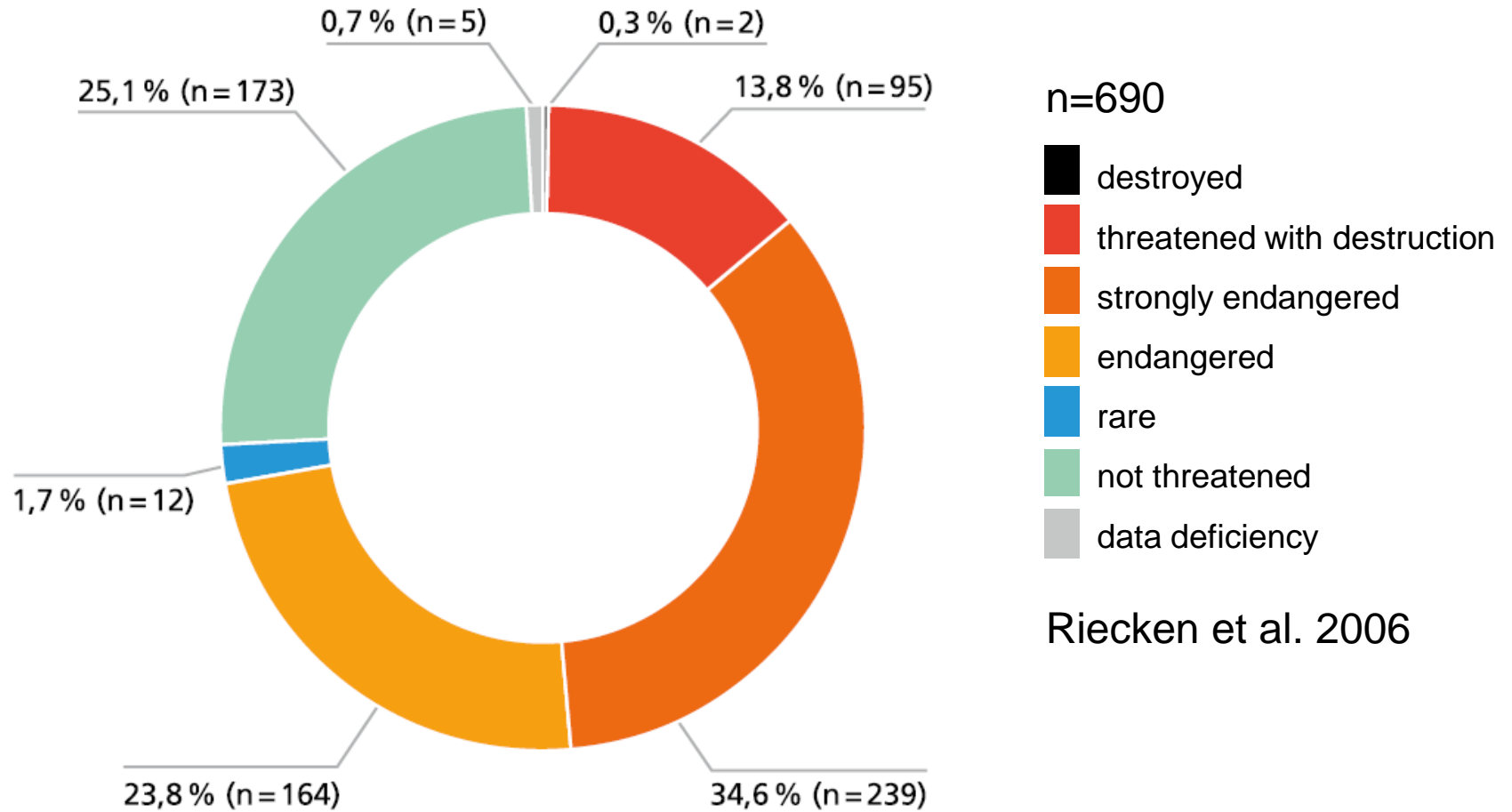
Birgit Gemeinholzer



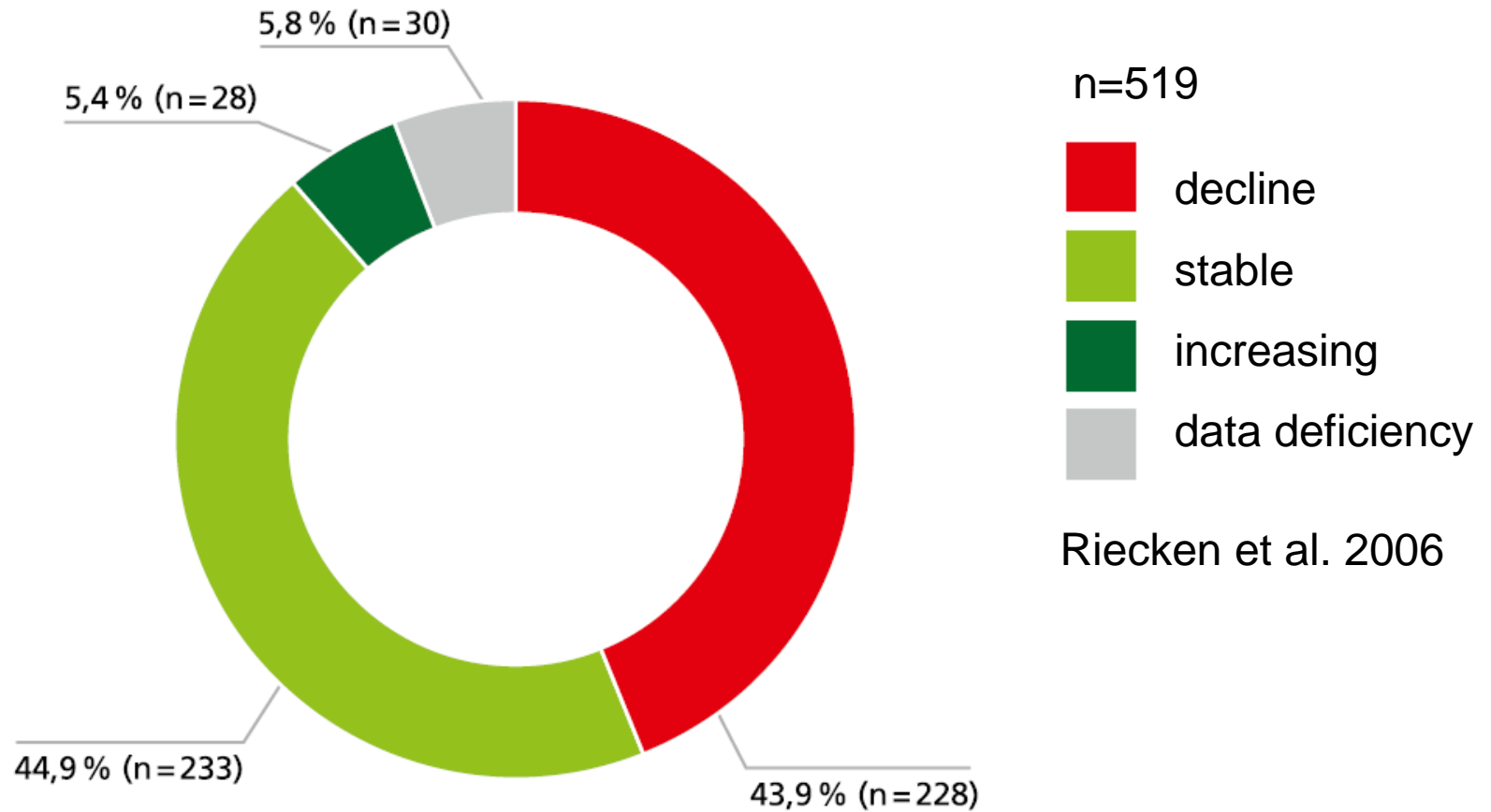
~ 71.500 species have been detected in Germany



690 different habitate types and their vulnerability analysis in Germany

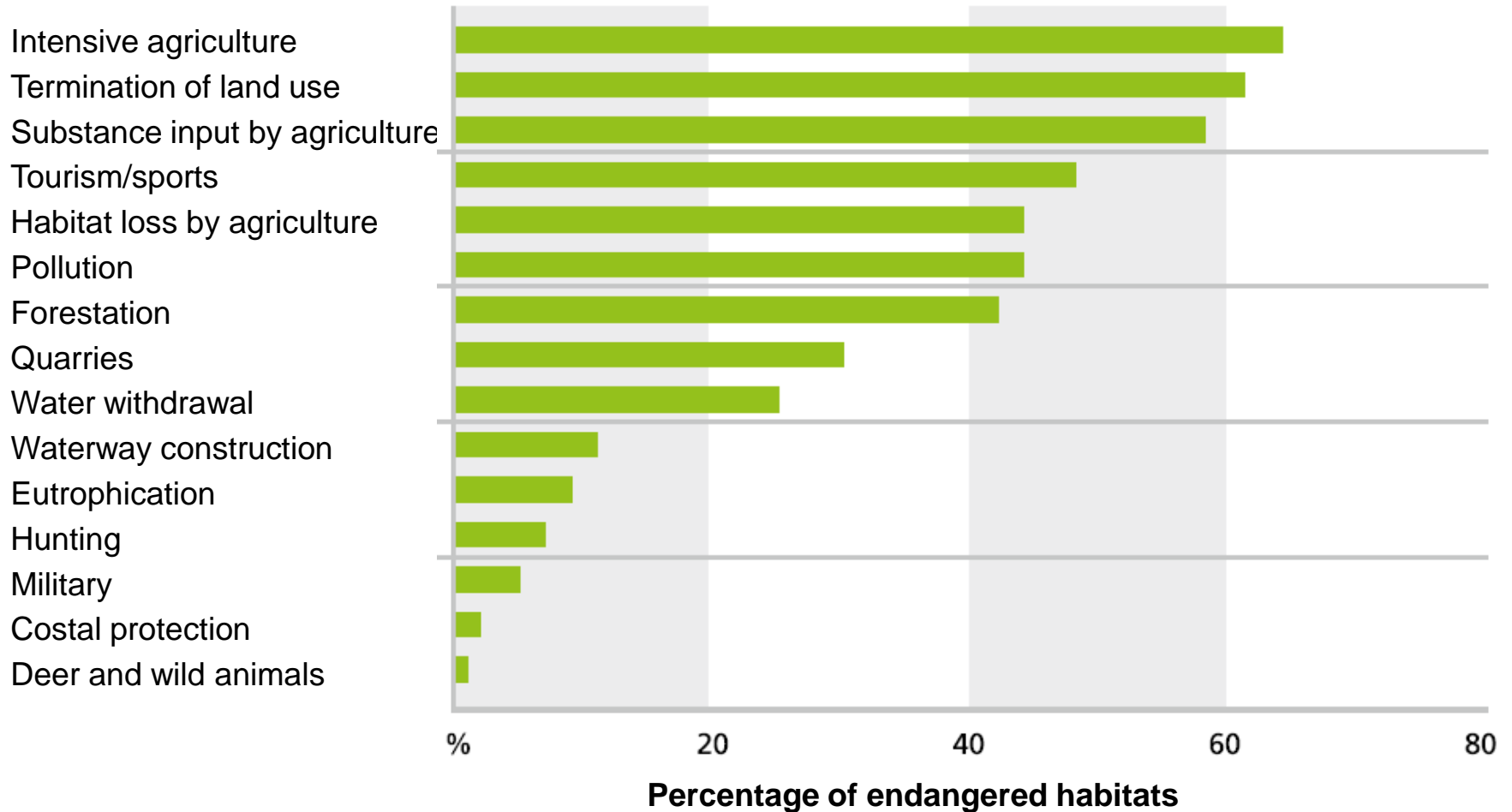


Trend analysis of habitats in Germany



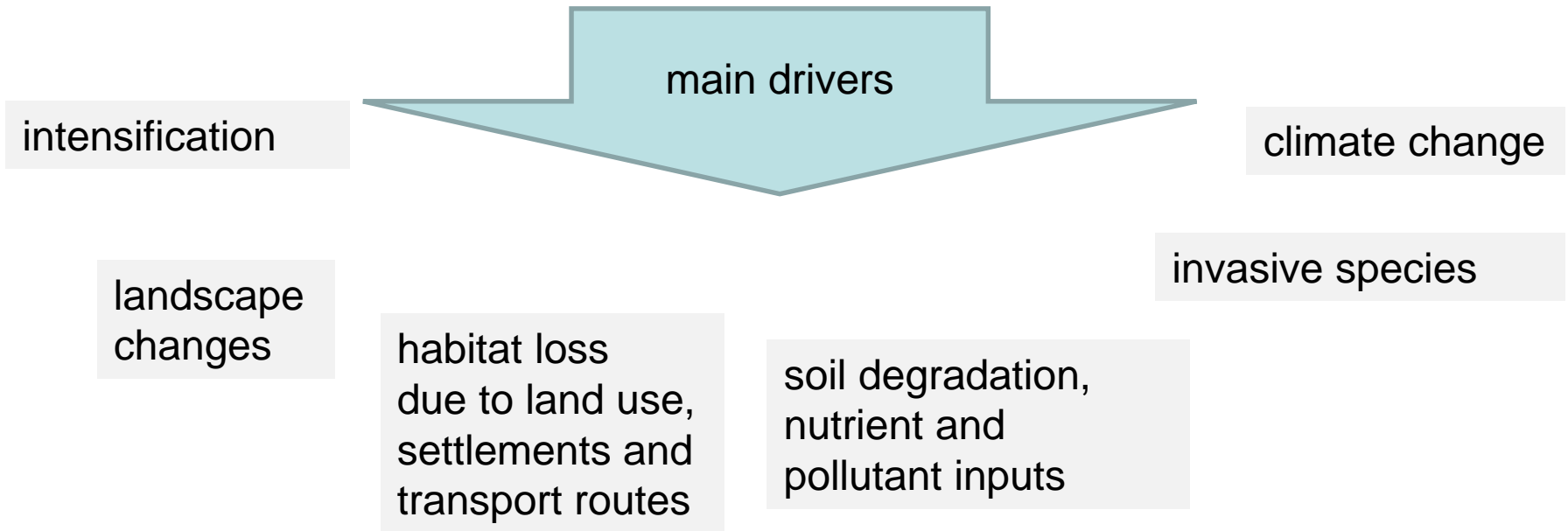
Every fourth biotope type is not or hardly regenerable

Main hazard factors of predominantly agricultural open-land biotope types in Germany



Challenges for the biodiversity in Germany

1. The **loss of biodiversity** is a **global, scientifically well documented phenomenon**.
2. The current species extinction reaches loss rates, as they are known only from the large mass extinction events in the history of the earth.
3. This leads to a **loss of ecosystem services**, which causes immense **economic damage worldwide**.



Challenges for the biodiversity in Germany

Major knowledge gaps - extent and specific **causes of biodiversity decline**.

Need for research in the evaluation and valorisation of biodiversity and ecosystem services, in particular in the development of integrative assessment approaches that combine ecological, economic, social and ethical aspects.

The protection and sustainable use of biodiversity need to be integrated into many policy areas.

The implementation and enforcement deficits must be eliminated.

Conservation oriented interdisciplinary linking of scientific, social science and humanities.

The Federal Government of Germany started a flagship initiative:

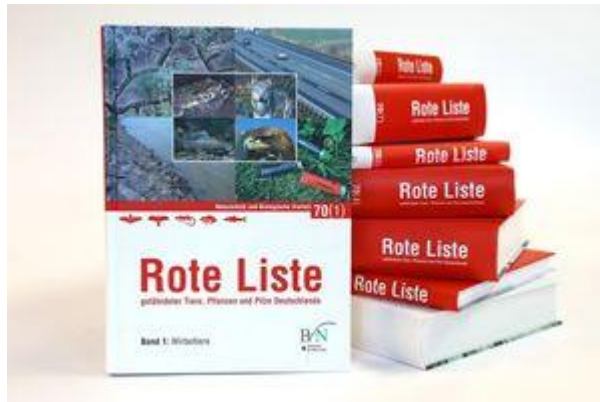
- to conserve biodiversity
- enhance and structurally secure research capacities
- provide decision-making knowledge for politics, economy and society in a knowledge-based and independent way



iDiv

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

National Center for Biodiversity Monitoring



Red List Center for Germany

HIFMB Helmholtz-Institut
für Funktionelle Marine Biodiversität
an der Universität **OLDENBURG**



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Thank you for your
attention!

谢谢您的关注

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