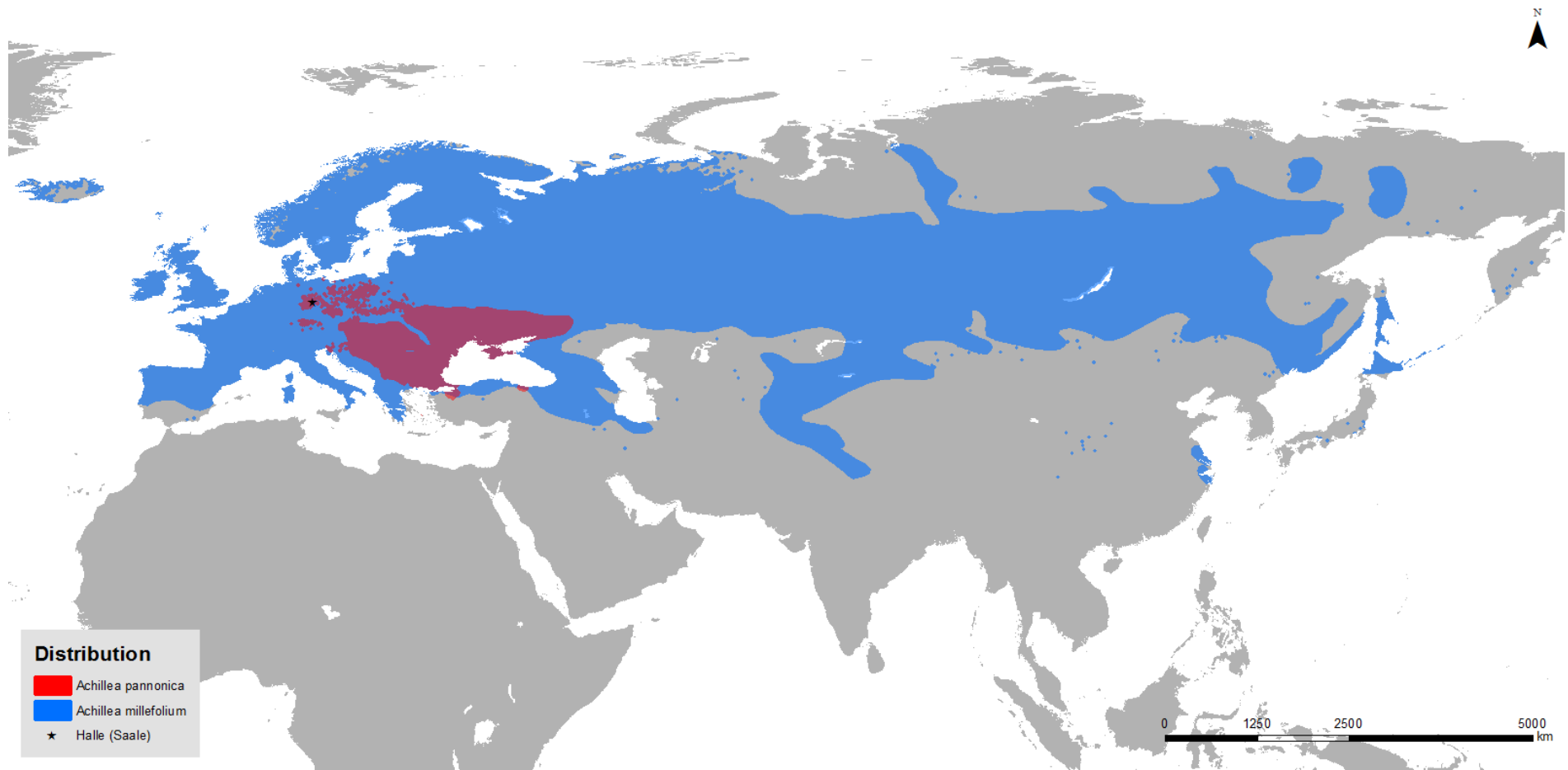
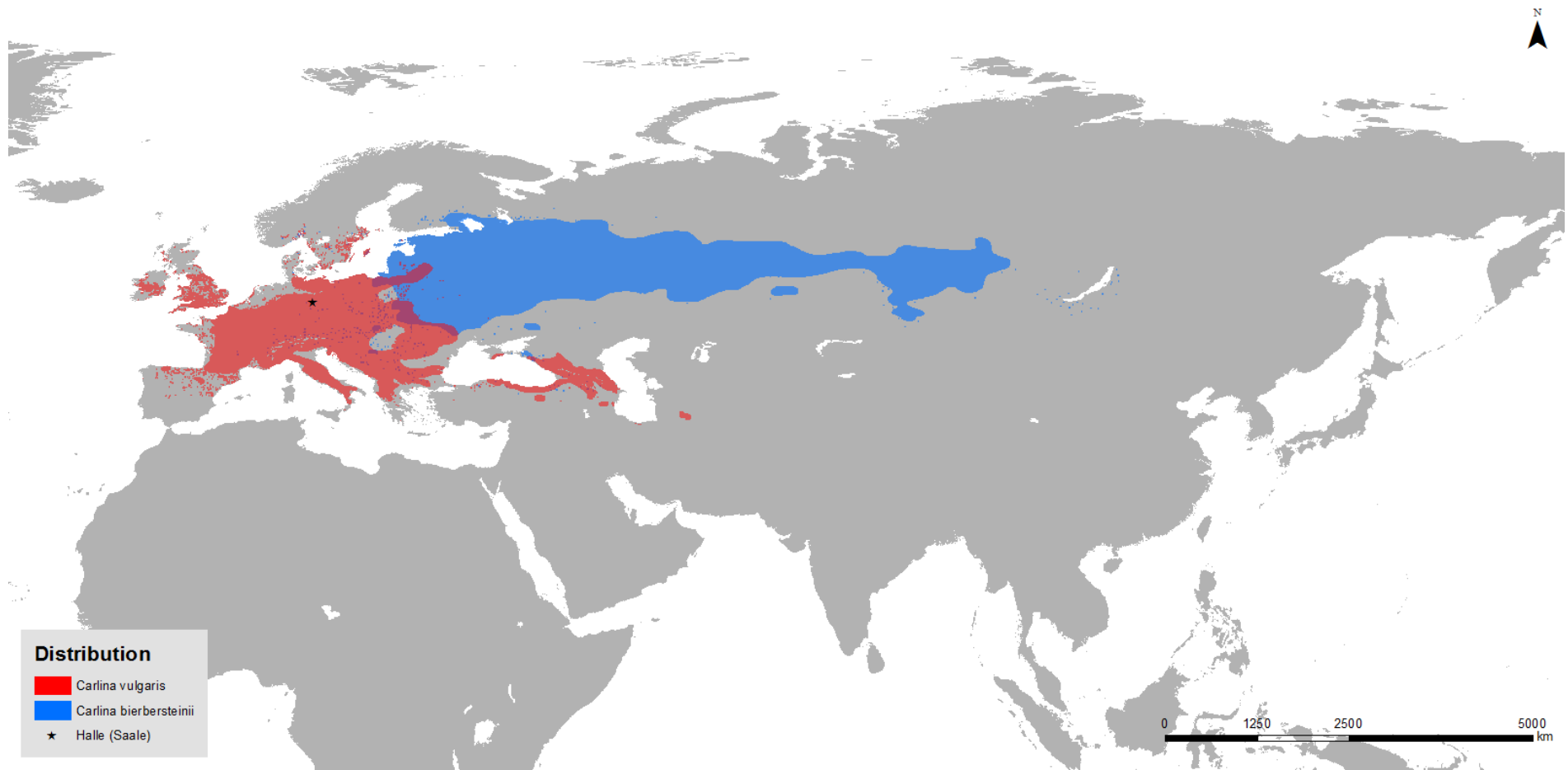


Hofmann M., Bütöf A., Welk E. & Bruelheide H. (2013): Relationship between fundamental and realized niches in terms of frost and drought resistance. – Preslia 85: 1–17.

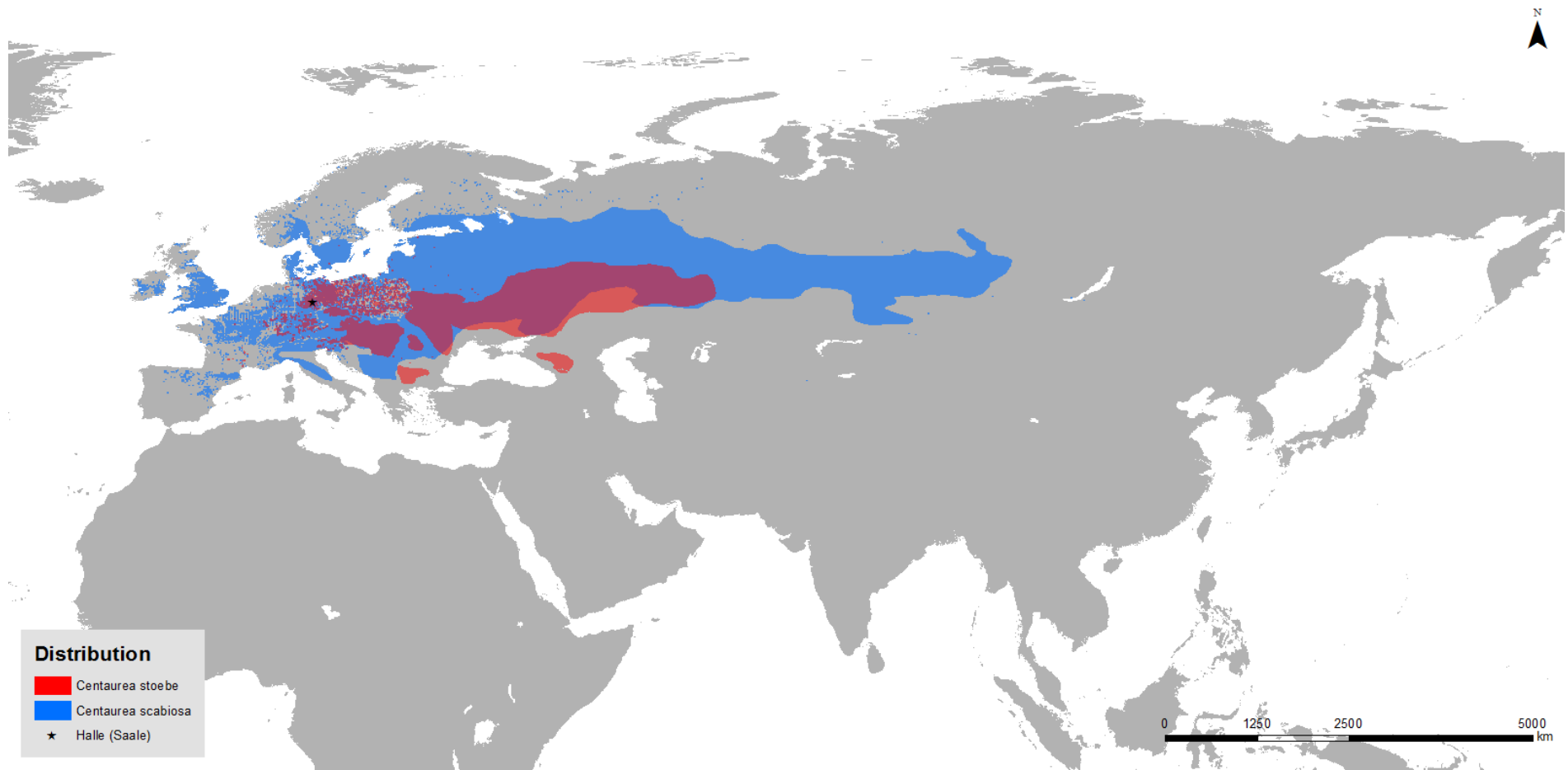
- Electronic Appendix 1** Distribution map of *Achillea millefolium* and *A. pannonica*. Red = *Achillea pannonica*, blue = *Achillea millefolium*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 2** Distribution map of *Carlina biebersteinii* and *C. vulgaris*. Red = *Carlina vulgaris*, blue = *Carlina biebersteinii*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 3** Distribution map of *Centaurea scabiosa* and *C. stoebe*. Red = *Centaurea stoebe*, blue = *Centaurea scabiosa*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 4** Distribution map of *Dianthus carthusianorum* and *D. deltoides*. Red = *Dianthus carthusianorum*, blue = *Dianthus deltoides*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 5** Distribution map of *Inula conyzae* and *I. hirta*. Red = *Inula conyzae*, blue = *Inula hirta*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 6** Distribution map of *Koeleria macrantha* and *K. pyramidata*. Red = *Koeleria pyramidata*, blue = *Koeleria macrantha*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 7** Distribution map of *Scabiosa columbaria* and *S. ochroleuca*. Red = *Scabiosa columbaria*, blue = *Scabiosa ochroleuca*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 8** Distribution map of *Silene nutans* and *S. otites*. Red = *Silene nutans*, blue = *Silene otites*, violet = overlap of both ranges, asterisk = study site.
- Electronic Appendix 9** List of all databases used for distribution database of the investigated species used in this study.



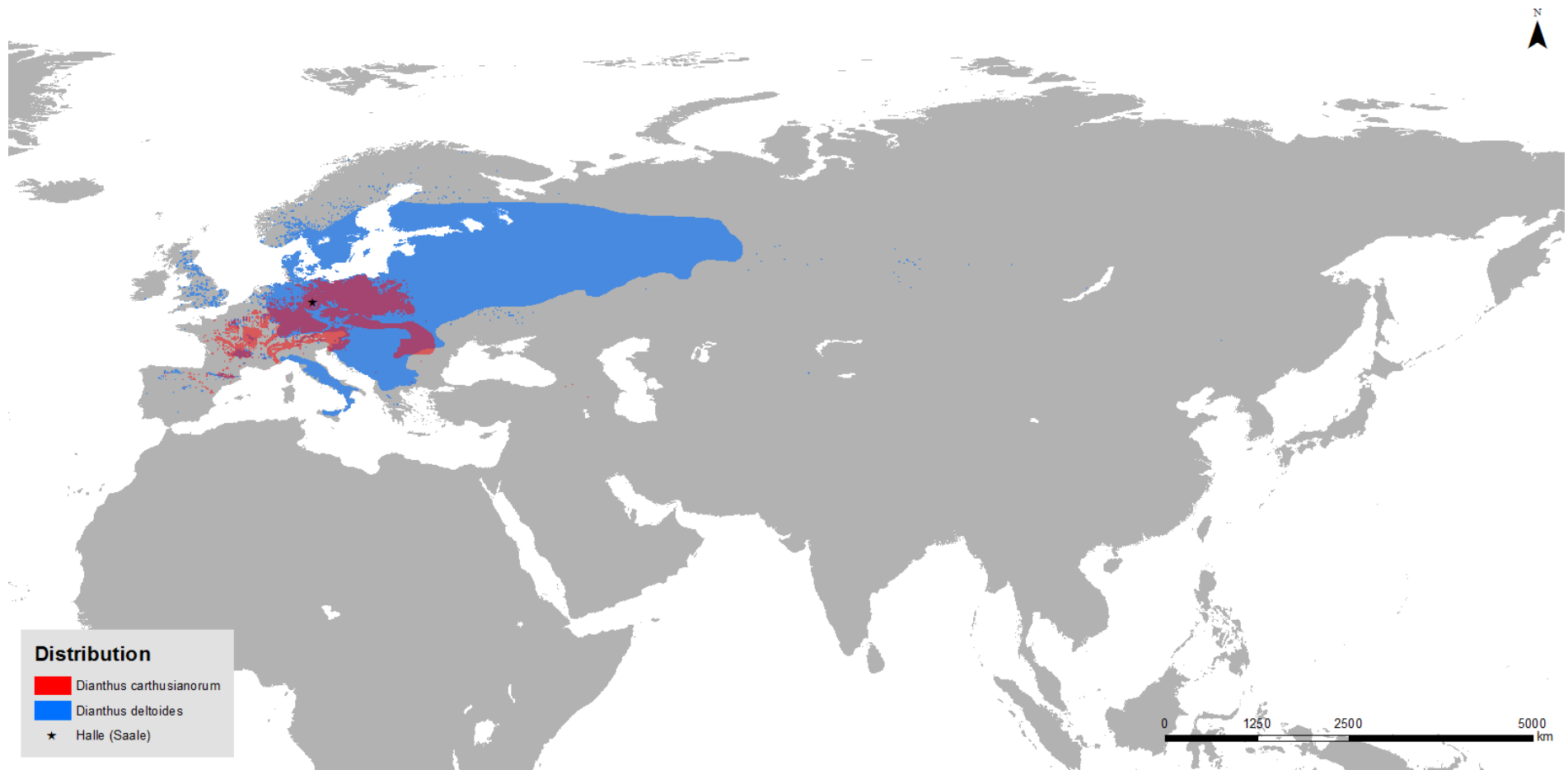
Electronic Appendix 1. – Distribution map of *Achillea millefolium* and *A. pannonica*. Red = *Achillea pannonica*, blue = *Achillea millefolium*, violet = overlap of both ranges, asterisk = study site.



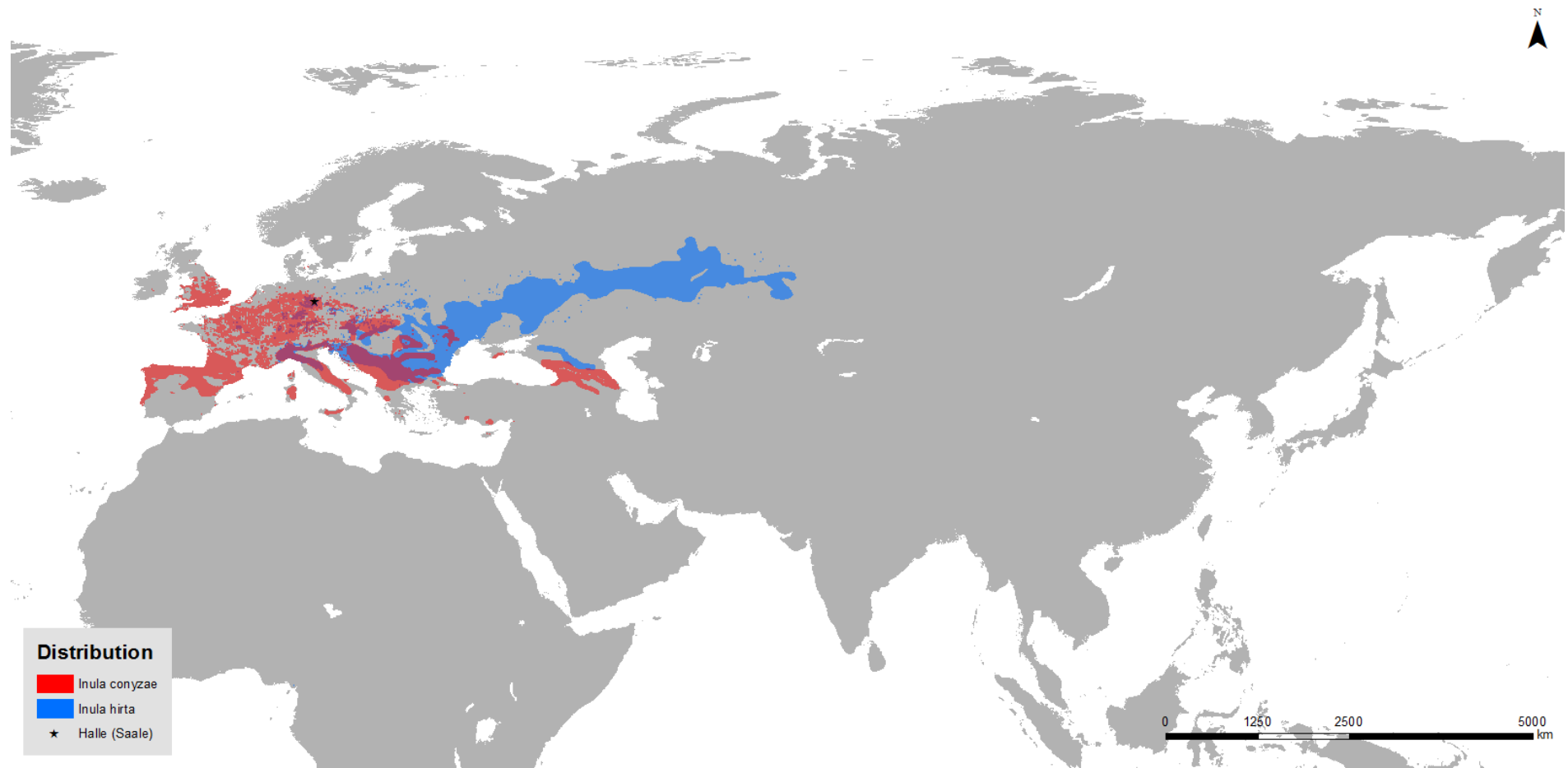
Electronic Appendix 2. – Distribution map of *Carlina biebersteinii* and *C. vulgaris*. Red = *Carlina vulgaris*, blue = *Carlina biebersteinii*, violet = overlap of both ranges, asterisk = study site.



Electronic Appendix 3. – Distribution map of *Centaurea scabiosa* and *C. stoebe*. Red = *Centaurea stoebe*, blue = *Centaurea scabiosa*, violet = overlap of both ranges, asterisk = study site.



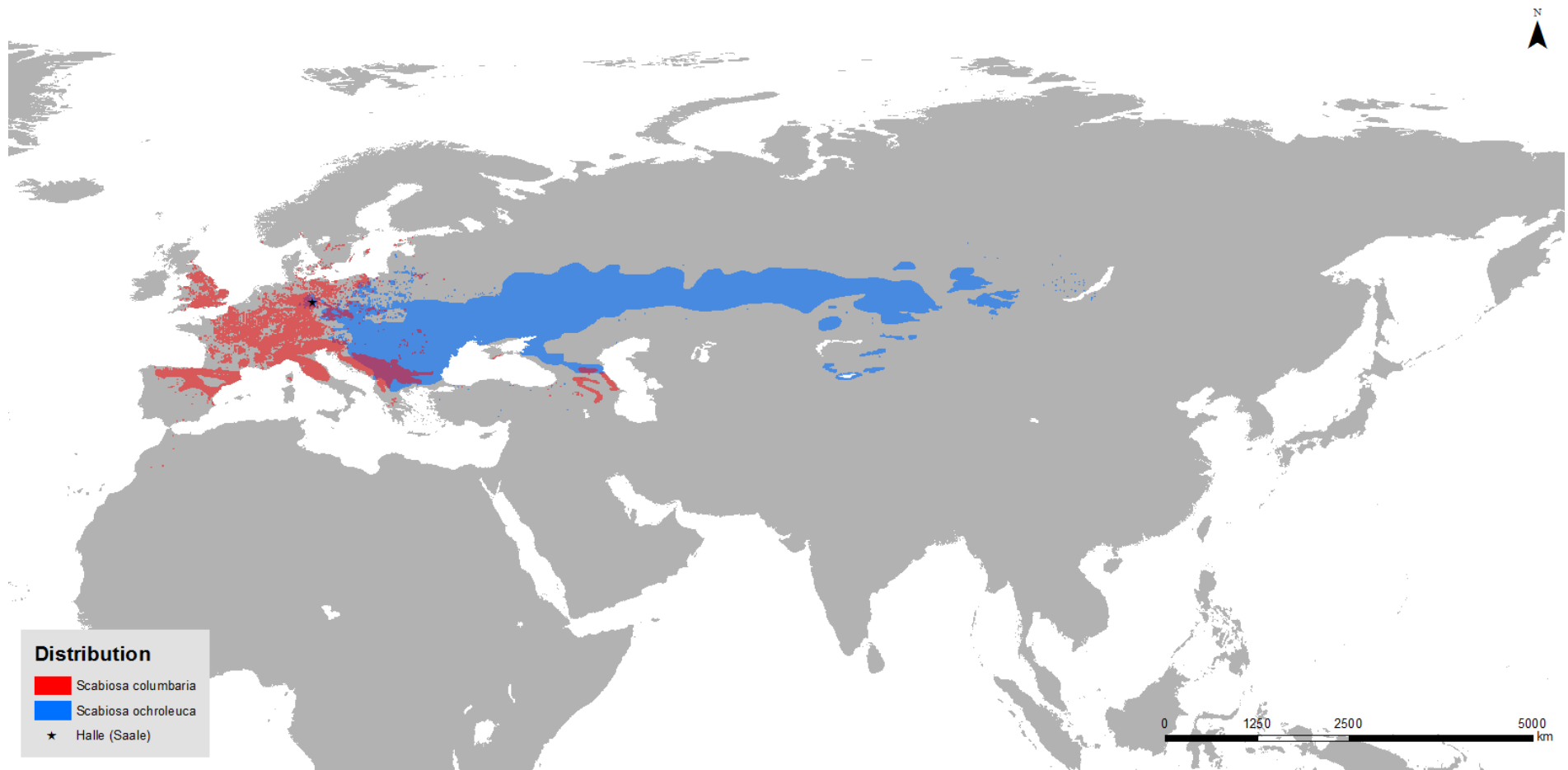
Electronic Appendix 4. – Distribution map of *Dianthus carthusianorum* and *D. deltoides*. Red = *Dianthus carthusianorum*, blue = *Dianthus deltoides*, violet = overlap of both ranges, asterisk = study site.



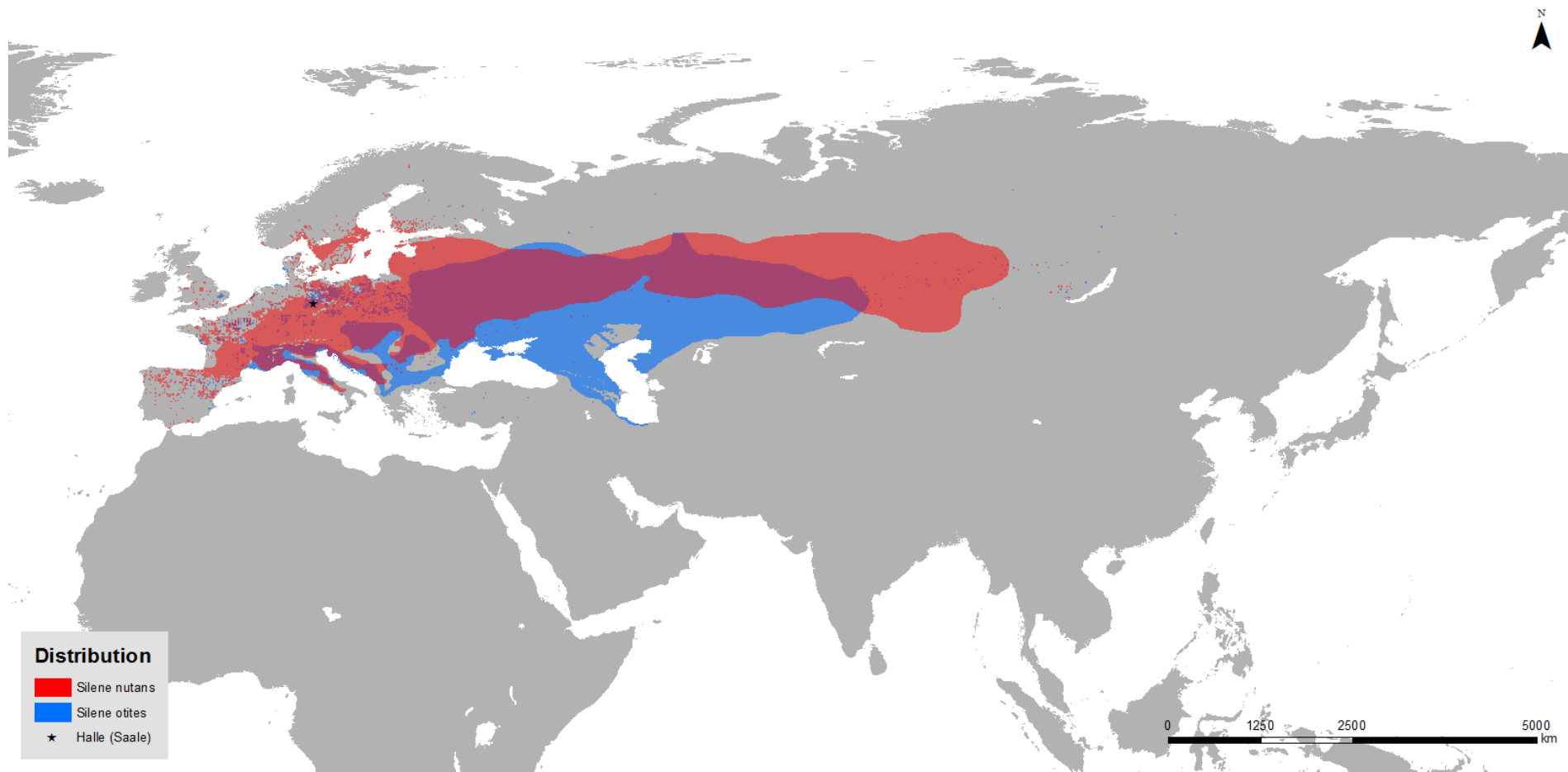
Electronic Appendix 5. – Distribution map of *Inula conyzae* and *I. hirta*. Red = *Inula conyzae*, blue = *Inula hirta*, violet = overlap of both ranges, asterisk = study site.



Electronic Appendix 6. – Distribution map of *Koeleria macrantha* and *K. pyramidata*. Red = *Koeleria pyramidata*, blue = *Koeleria macrantha*, violet = overlap of both ranges, asterisk = study site.



Electronic Appendix 7. – Distribution map of *Scabiosa columbaria* and *S. ochroleuca*. Red = *Scabiosa columbaria*, blue = *Scabiosa ochroleuca*, violet = overlap of both ranges, asterisk = study site.



Electronic Appendix 8. – Distribution map of *Silene nutans* and *S. otites*. Red = *Silene nutans*, blue = *Silene otites*, violet = overlap of both ranges, asterisk = study site.

Electronic Appendix 9. – List of all databases used for distribution database of the investigated species used in this study.

Africa

AGIS (2007) Agricultural Geo-Referenced Information System. – www.agis.agric.za.

Asia

- Charkevic, S. S. (1992) Sosudistye rastenija sovjetskogo dal'nego vostoka 8. - Sankt-Petersburg (Nauk).394 p.
- Galuško, A. I. (1980) Flora Severnogo Kavkaza 3, - Rostov (Isd. Rostovskogo Univ.) 328 p.
- Grossgejm, A. A. (1949) Opredelitel' rastenij Kavkaza. - Moskva (Sovj. Nauk) 747 p.
- Grubov, I. V. (2008) Rastenija Central'noj Azii, Vol. 14. – Moskva.
- Gubanov, I. A. (1996) Konspekt flory vnešnej Mongolii (Sosudistye rastenija). – Moskva (Valang) 136 p.
- IFP (2007) The Herbarium of Northeast China (IFP) Shenyang. – [www.http://www.sybbg.net](http://www.sybbg.net).
- Krasnoborov I.M., (ed) (1984) Opredelitel' rastenii Tuvinskoi ASSR. Novosibirsk. 336 p.
- Krasnoborov, I.M. (1997) *Cirsium* L. – In: Krasnoborov, I.M. (ed.), Flora Sibiri vol. 13 Asteraceae (Compositae). Novosibirsk. pp. 103–156.
- Kravchenko O.E.(2009) *Cirsium arvense* In: Afonin, A.N., Greene, S.L., Dzyubenko, N.I., Frolov, A.N. (eds.) Interactive Agricultural Ecological Atlas of Russia and Neighboring Countries. Economic Plants and their Diseases, Pests and Weeds [Online]. – www.agroatlas.ru.
- Nikitin, V.V., Gel'dikhanov, A.M. (1988) Opredelitel' rastenii Turkmenistana. Nauka, Leningradskoe Otdelenie.
- Nikitin, V.V. (1983) Sornije rastenija flory SSSR. Leningrad: Nauk. 454 p.
- Shi, Z., Raab-Straube, E. von, Greuter, W., Martins, L. (2011) Cardueae. – pp. 42-194 in: Wu, Z. Y., Raven, P. H., Hong, D. Y. (eds), Flora of China 20–21 (Asteraceae). Science Press, Beijing & Missouri Botanical Garden Press, St. Louis.
- Vvedenskii, A.I. (ed) (1962) Flora Uzbekistana 6. Tashkent: AN Uzbekskoi SSR. 632 p.
- Vvedenskii, A.I. (ed) (1965) Flora Kirghizkoi SSR 11. Frunze: Ylym. 611 p.
- Shishkin, B.K. (ed) (1960) Flora Turkmenii 7. Ashchabad, Nauka, 423 p.
- Tolmacev, A. I. (1975) Arkticeskaja flora SSSR.VII. - Leningrad: Nauk.
- Pavlov N.V. (ed) (1965). Flora Kazakhstana, vol. 9. Akademiya nauk Kazakhskoy SSR, Alma-Ata.640 p.

Australia & New Zealand

- AVH (2011) Australia's Virtual Herbarium, [map output], Council of Heads of Australasian Herbaria – www.chah.gov.au/avh/.
- New Zealand Flora (2011) Manaaki Whenua - Landcare Research. – <http://nzflora.landcareresearch.co.nz>.

Europe

- Anthos (2011) Information System of the plants of Spain. Real Jardín Botánico, CSIC - Fundación Biodiversidad. – www.anthos.es.
- Artportalen (2011) Reporting system for Vascular Plants and Fungi. Swedish Species Information Centre and Swedish Environmental Protection Agency. – www.artportalen.se/default.asp.
- Artsdatabanken (2011) Nasjonal kunnskapskilde for biologisk mangfold. – www.artsdatabanken.no/.
- Bolós, O., Vigo, J. (1995) Flora dels Països Catalans. III. - Barcelona (Editorial Barcino) 1230 p.
- FCD (2004) Flora Croatica Database. Department of Botany , Faculty of science , FER-ZPR , University of Zagreb. – www.hirc.botanic.hr/fcd/.
- Flora Italiana (2011) – homolaicus.com/scienza/erbario/utility/floraitalica/flora/index.htm.
- Geydeman, T. S. (1986) Opredelitel' vysshikh rasteniy Moldavskoy SSR. Kishinev. 588 p.
- Hultén, E. (1971) Atlas of the distribution of vascular plants in northwestern Europe. – Stockholm (Generalstabens Litograf. Anstalts Förl.) 531 p.
- Kristinsson, H. (2008) [Maps of Icelandic plants]. – vefsja.ni.is/website/plontuvefsja.
- Lampinen, R. & Lahti, T. (2011) Kasviatlas 2010. – Helsingin Yliopisto, Luonnontieteellinen keskusmuseo, Kasvimuseo, Helsinki.
- Levinneisyyskartat osoitteessa. – www.luomus.fi/kasviatlas.
- Maevskii, P.F. (1954) Flora of middle belt of the European part of the USSR. Moscow - Leningrad: Selkhozgiz. 912 pp. (in Russian).
- Muséum national d'Histoire naturelle [Ed]. 2003-2012. Inventaire national du Patrimoine naturel, site Web : <http://inpn.mnhn.fr>.
- NBN Gateway National Biodiversity Network Trust [NBN Trust]. – www.searchnbn.net/.
- Poldini, L. (1991) Atlante corologico delle piante vascolari nel Friuli-Venezia Giulia. Udine, 899 p.
- Ruffray P., Brisse H., Grandjouan, G. (eds) (2011) SOPHY Banque de données Botaniques et Ecologiques. – sophy.u-3mrs.fr/sophy.htm.
- SILENE (2011) Système d'Information et de Localisation des Espèces Natives et Envahissantes, Conservatoire Botanique National Méditerranéen de Porquerolles, Conservatoire Botanique National Alpin. – <http://www.silene.eu/index.php?cont=accueil>.

- Slavík B. & Štěpánková J. (eds) (2004) Kvetena České republiky [Flora of the Czech Republic]. Vol. 7. – Academia, Praha.
- Tsvelev, N.N. 2000. Keys to the vascular plants of North-West Russia (Leningrad, Pskov and Novgorod Regions). Saint-Petersburg. 781 p.
- Werner. K. (1976) *Cirsium* Miller. – In: Tutin, T.G. et al. (eds.), *Flora Europaea*. 4. Plantaginaceae to Compositae (and Rubiaceae): 232–242.

North America

- AKEPIC (2011). Alaska Exotic Plant Information Clearinghouse database. – Alaska Natural Heritage Program, University of Alaska, Anchorage. – aknhp.uaa.alaska.edu/maps/akepic/.
- CalWeedMapper (2011) California Invasive Plant Council. – <http://calweedmapper.calflora.org/>.
- PNWHerbaria (2011) Herbarium specimen data provided by: Oregon State University Herbarium, University of Idaho Stillinger Herbarium, University of Washington Herbarium, accessed through the Consortium of Pacific Northwest Herbaria web site, University of Washington Herbarium, Burke Museum of Natural History and Culture. – www.pnwherbaria.org.
- EDDMapS (2011) Early detection distribution mapping system. The University of Georgia - Center for Invasive Species and Ecosystem Health. – www.eddmaps.org/.
- E-Flora BC (2011) Klinkenberg, B. (ed) Electronic Atlas of the Plants of British Columbia [eflora.bc.ca]. Lab for Advanced Spatial Analysis, Department of Geography, University of British Columbia, Vancouver. - www.geog.ubc.ca/biodiversity/eflora/index.shtml.
- IPAMS (2011) Geosystems Research Institute. The Invasive Plant Atlas of the MidSouth. – gri.msstate.edu/ipams.
- IPANE (2011) Invasive Plant Atlas of New England. – nbii-nin.ciesin.columbia.edu/ipane/.
- Keil, D.J. (2011) Jepson eFlora (v. 1.0), *Cirsium arvense*, Jepson Flora Project. – ucjeps.berkeley.edu/IJM.html.
- NCU (2011) Flora of the Southeastern United States. – herbarium.unc.edu/seflora/firstviewer.htm.
- NMBCC (2011) The NMBCC Gateway to New Mexico Biodiversity [web application]. Version 1.0. The New Mexico Biodiversity Collections Consortium, New Mexico, USA. – NMBiodiversity.org.
- SWEMP (2007) Southwest Exotic Plant Mapping Program. - sbsc.wr.usgs.gov/research/projects/swepic/swemp/swempA.asp.

South America

- Delucchi, G., Ariza Espinar, L. (1999) *Cardue* In: Zuloaga, F.O., Morrone, O. (eds) *Catálogo de las plantas vasculares de la República Argentina*. – Missouri Botanical Garden Press.