Weed surveys in Czech Republic, Slovenia, Slovakia and Austria

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Slovenia

Dr. Urban Šilc
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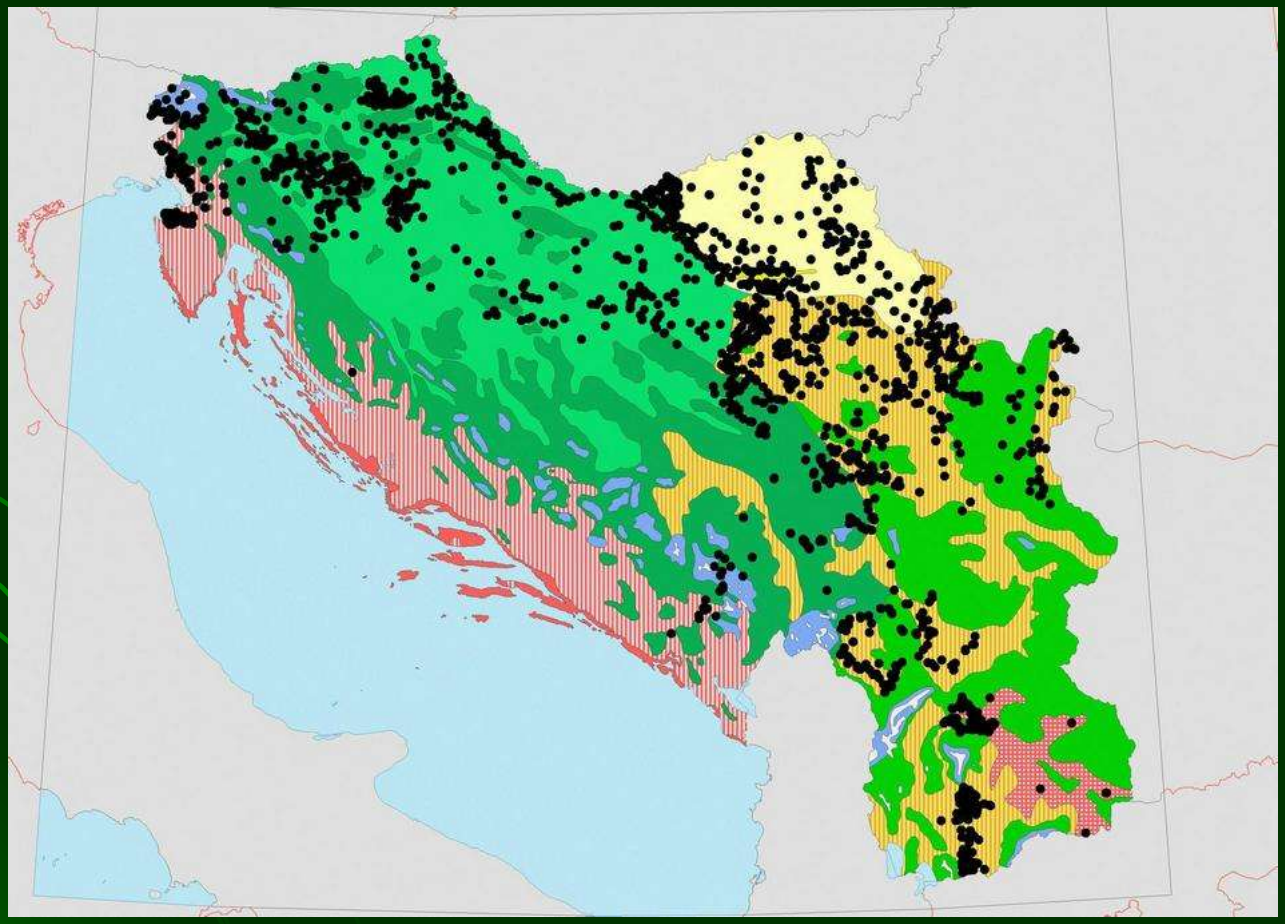
- weed vegetation in Slovenia and former Yugoslavia (together with Belgrade University)
- Turboveg database (about 4500 relevés)
- floristic composition of weed vegetation in dependence of temporal and spatial gradients
- neophytes and their appearance in different habitats

Slovenia

- Vegetation of arable fields from north-western Balkans - Phytosociological database of vegetation of Slovenia



Slovenia

Dr. Urban Šilc
Institute of Biology, Ljubljana

Čarni A., Matevski V. & Šilc U. (2011): ***Morphological, chorological and ecological plasticity of Cistus incanus in the southern Balkans*****.** Plant Biosystems, in press.

Šilc U. (2011): ***Synanathropic vegetation: pattern of various disturbances on life history traits***. Acta Botanica Croatica, in press.

Slovakia

Ing. Pavol Eliáš, Ph.D.
FAFR SUA Nitra

- rare and invasive weed species
- distribution of individual species (not communities)

Eliáš P., Hajnalová M. & Eliášová M. (2010): ***Historical and current distribution of segetal weed Lolium temulentum L. in Slovakia.*** Hacquetia, 9, 151-159.

Slovakia

Ing. Pavol Eliáš, Ph.D.
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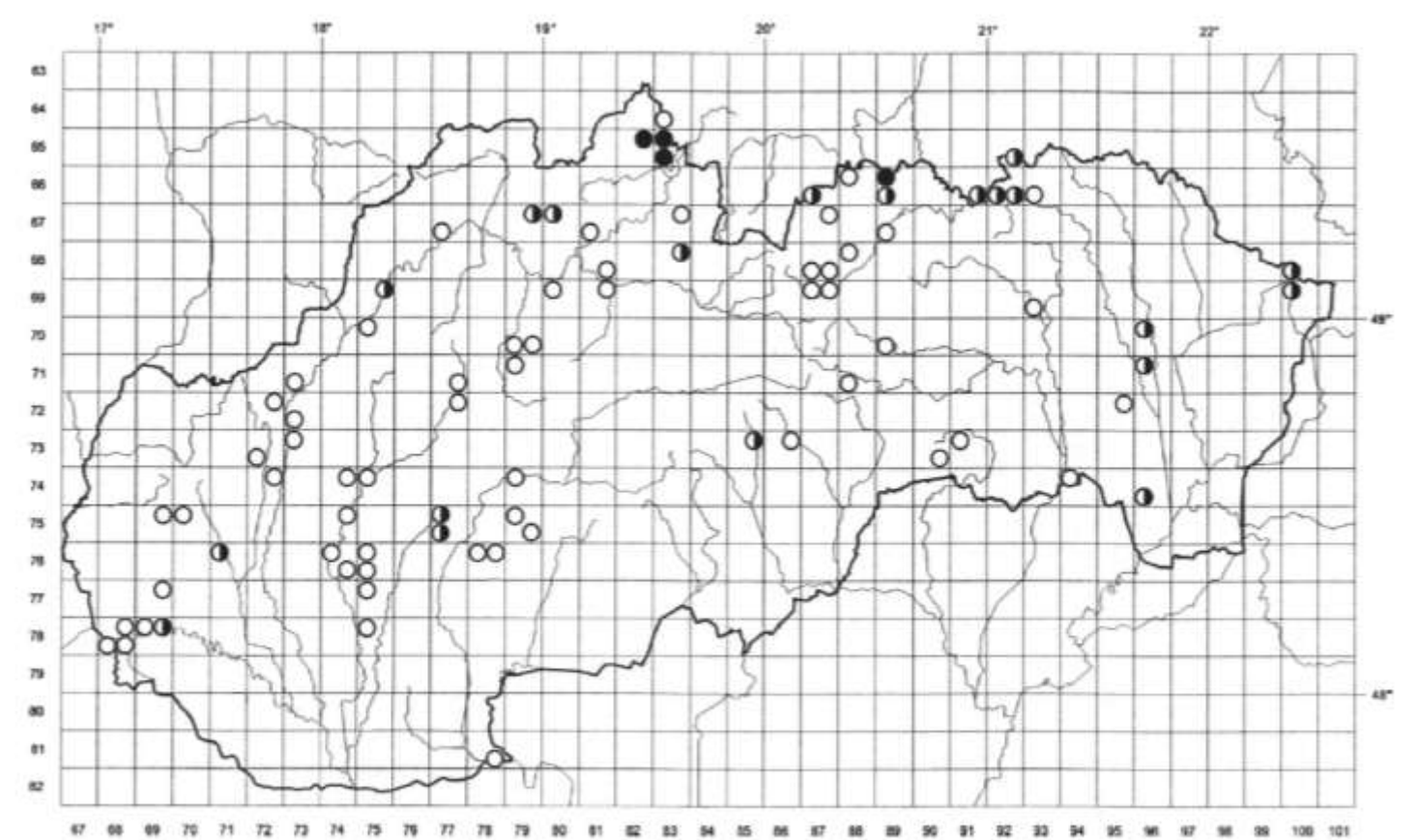


Figure 3: Historical and recent distribution of *Lolium temulentum* in Slovakia: ○ – before 1950, ◑ – 1950–1999, ● – 2000 onwards.

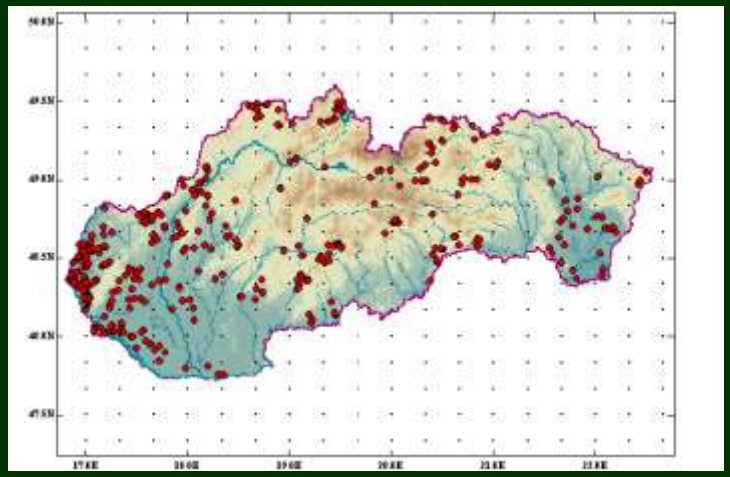
Slovakia

RNDr. Jana Májeková, Ph.D.
Institute of Botany SAS, Bratislava

- whole territory of Slovakia
- cereals, root crops, fodder crops, winter rape, stubble, fallow
- Turboveg database
- 2002-2008: 508 relevés

- Central database of phytocenological data in Slovak Republic

❖ Májeková J., Zaliberová M., Šibík J. & Klimová K. (2010): ***Changes in segetal vegetation in the Borská nížina Lowland (Slovakia) over 50 years*.** Biologia, 65, 465-478.



Slovakia

Ing. Štefan Týr, Ph.D.
Ing. Josef Smatana, Ph.D.
FAFR SUA Nitra

- since 1994

❖ Vereš T. & Týr Š. (2010): ***Top 10 of the most dangerous weed species in the spring barley canopies during the last decade in the Slovak Republic.*** In Trends in the European agriculture development : international symposium, Romania.

- 3 most dangereous weed species:
  - maize production area: CIRAR, AVEFA, AGRRE
  - sugar beet production area: CIRAR, MATIN, ANTSS
  - potato production area: CHESS, MATIN, ANTSS

Slovakia

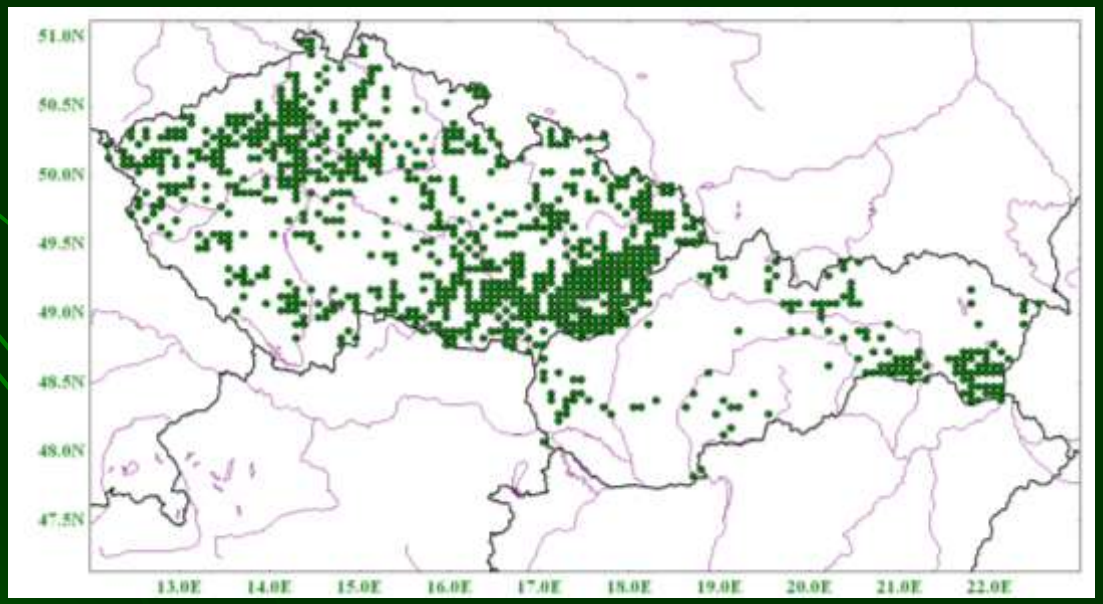
❖Týr Š. & Vereš T. (2010): ***Top 10 of the most dangerous weed species in the winter wheat canopies during the last decade in the Slovak Republic.*** In Trends in the European agriculture development : international symposium, Romania.

- 3 most dangereous weed species:
  - maize production area: ANTSS, MATIN, CIRAR
  - sugar beet production area: GALAP, STEME, ANTSS
  - potato production area: ANTSS, MATIN, CIRAR

Czech Republic

RNDr. Zdenka Lososová
Masaryk University in Brno

- weed communities - Southern Moravia
- mapping of vegetation in orchards and vineyards
- Turboveg database
- Czech National Phytosociological Database
- more than 3000 relevés of weed vegetation



Czech Republic

RNDr. Zdenka Lososová
Masaryk University in Brno

❖ Lososová Z., Kolářová M., Tyšer L. & Lvončík S. (2011): ***Organic, integrated and conventional management in apple orchards: effect on plant species composition, richness and diversity.*** Acta universitatis agriculturae et silviculturae mendelianae Brunensis, 54.

❖ Lososová Z., Lvončík S. & Štěpánková P. (2010): ***Monitoring of biodiversity in south Moravian vineyards.*** Zahradnictví, 10, 22-23.

Czech Republic

Ing. Jan Winkler, Ph.D.
Mendel University in Brno

❖ Zahraj P. & Winkler J. (2010): ***Assessment of weed spectrum in ornamental nurserygardens*****.** In MendelNet 2010 Proceedings of International Ph.D. Students Conference.

❖ Neischl A., Winkler J. & Zelená V. (2010): ***Weed infestation of the spring barley crop growned at various cropping patterns*****.** Úroda, 58, 541--544.

Czech Republic

prof. Ing. Josef Soukup, CSc.
Ing. Pavel Hamouz, Ph.D.
Ing. Josef Holec, Ph.D.
Ing. Luděk Tyšer, Ph.D.
Ing. Michaela Kolářová, Ph.D.
Department of Agroecology and Biometeorology, CULS Prague

- 2006-2008 – phytocoenological survey on arable land
- 2009 – phytocoenological survey in orchards
- 2010, 2011 – mapping of rare and endangered weed species
  – new database ***WeedMap*** for weed mapping

Czech Republic

	Species	Number of localities
CR	*Bupleurum rotundifolium*	2
	Conringia orientalis	1
	Erysimum repandum	1
	Galium tricornutum	2
	Misopates orontium	2
	Nigella arvensis	2
EN	*Ajuga chamaepitys*	2
	Bifora radians	2
	Caucalis platycarpos	17
	Kickxia elatine	1

CR – critically endangered

EN - endangered

Czech Republic

❖ Lososová Z., Kolářová M., Tyšer L. & Lvončik S. (2011): ***Organic, integrated and conventional management in apple orchards: effect on plant species composition, richness and diversity.*** Acta universitatis agriculturae et silviculturae mendelianae Brunensis, 54.

❖ Kolářová M., Tyšer L. & Soukup J. (2011): ***Current weed spectrum in root crops in organic farming.*** Úroda, in press.

❖ Kolářová M. & Tyšer L. (2010): ***Monitoring of biological diversity in fruit orchards in the Czech Republic.*** Zahradnictví 9, 14-15.

❖ Tyšer L., Kolářová M. & Soukup J. (2010): ***Current weed spectrum in potato stands in selected areas of the Czech Republic.*** Úroda 58, 26-28.

Thank you for paying attention