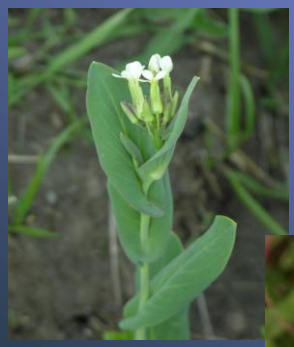
WeedMap

Worldwid**E** **E**lectronic **D**atabase for **M**A**p**ping **P**lants



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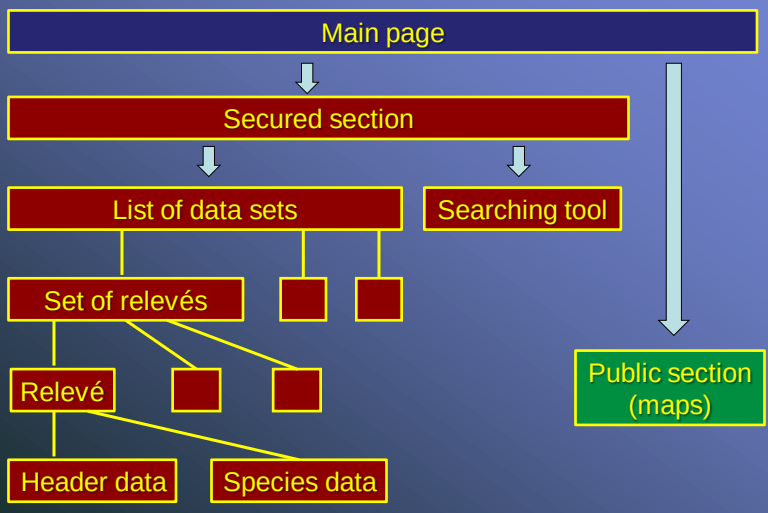
Short description

- web access: www.weedmap.eu
- created by Geocentrum company
- administered by Czech University of Life Sciences (Department of Agroecology and Biometeorology)
- designed for the collection of weed occurrence data (in form of relevés)
- it should provide information on the distribution of weeds for both scientific and public use

Database sections

- Public section
  - dedicated to all people interested in geographical distribution of weeds.
  - allows displaying the collected data in maps of weed distribution.
- Secured section
  - designated for scientific workers
  - available for registered users only.
  - allows inserting, viewing, searching and exporting relevé data.

Structure of WeedMap database



Levels of access rights

1. Administrator
   - ✓ management of all data (inserting, editing, deleting)
   - ✓ management of access accounts

2. Scientific user
   - ✓ viewing and searching for all data (relevés)
   - ✓ management of his own data
   - ✓ export upon consent of authors only

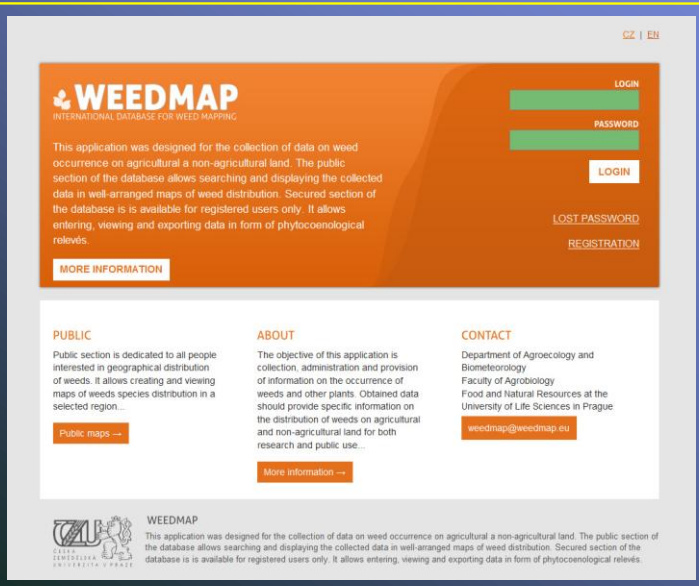
3. Free access for public - maps only

Import and export

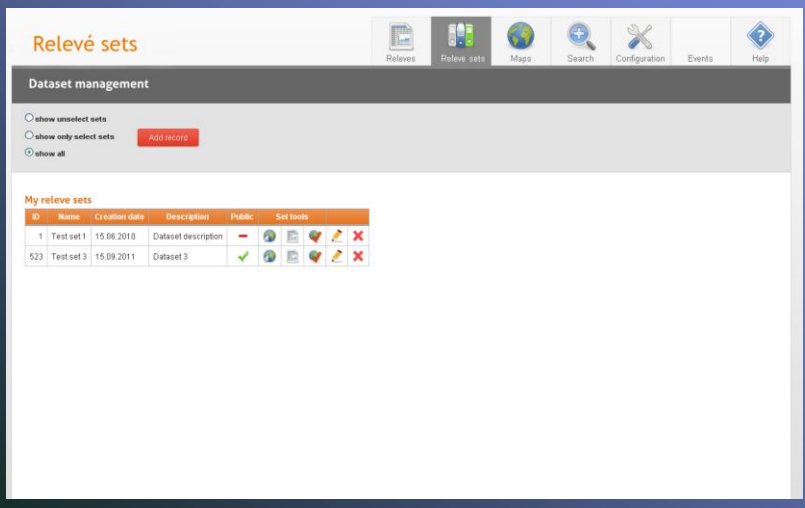
- import
  - ✓ turboveg, XLS
  - ✓ species data only

- export
  - ➢ XML, CSV
  - ➢ subject to the consent of authors,consenting process will be controlled by a software utility

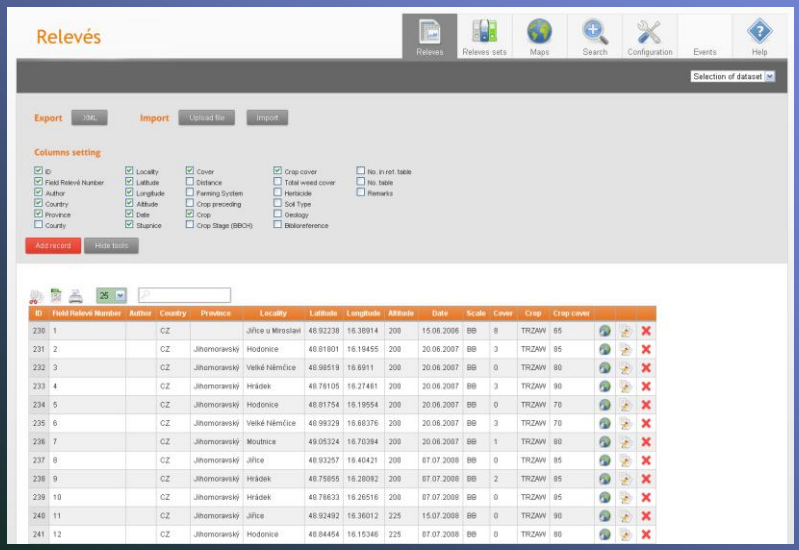
Examples



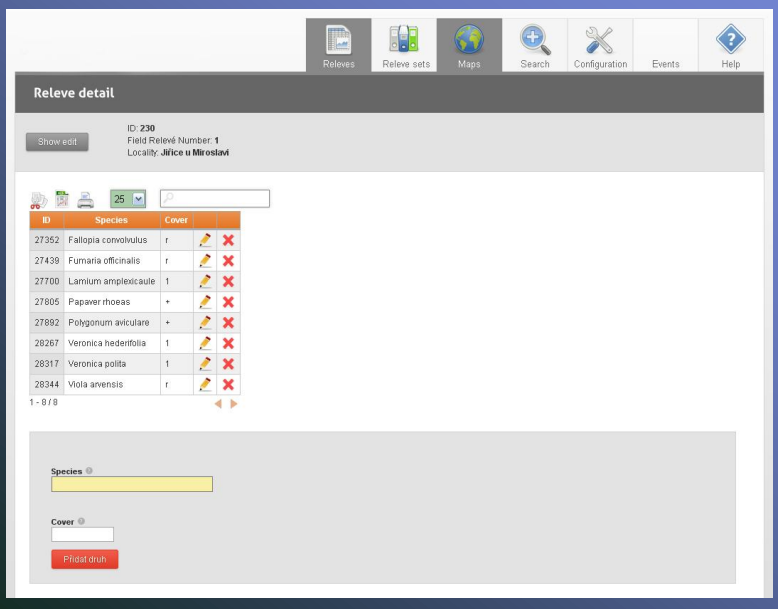
Examples



Examples



Detail of species data:



Structure of header data:

- ID number
- Original number
- Author
- Country
- Province
- County
- Site
- Latitude (WGS 84)
- Longitude
- Altitude (m a.s.l.)
- Date
- Cover cale (BB, BBE, %....)
- Relevé area (m^2)
- Distance from a border (m)
- Land use type
- Management system (conventional, organic...)
- Crop
- Forecrop
- Crop stage (BBCH)
- Crop cover (%)
- Total weed cover (%)
- Herbicide I
- Herbicide II
- Herbicide III
- Soil type (WRB system)
- Geology
- Biblioreference
- Relevé number in the table
- Number of table
- Remarks

Cover scale (conversion table)

Braun-Blanquet (basic)	Braun-Blanquet (extended)	Percent	Ordinal
r	r	0.02	1
+	+	0.1	2
1	1	2.5	3
2	2m	5	4
2	2a	8.75	5
2	2b	18.75	6
3	3	37.5	7
4	4	62.5	8
5	5	87.5	9

Land use type

- arable land
- meadow
- pasture
- permanent crops
- non-agricultural land

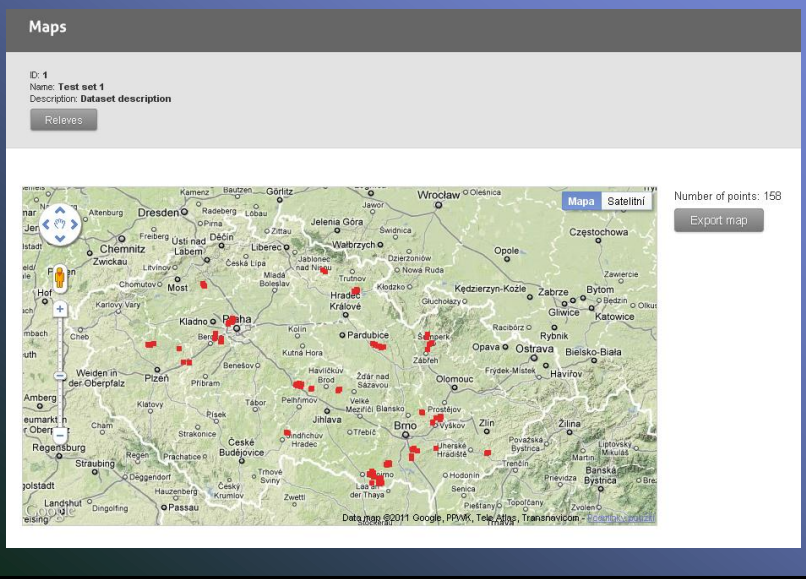
Plant nomenclature

- adopted from EPPO database
- includes about 15 000 plant species
- many synonyms also included (one name preferred only)
- with EPPO (Bayer) code system

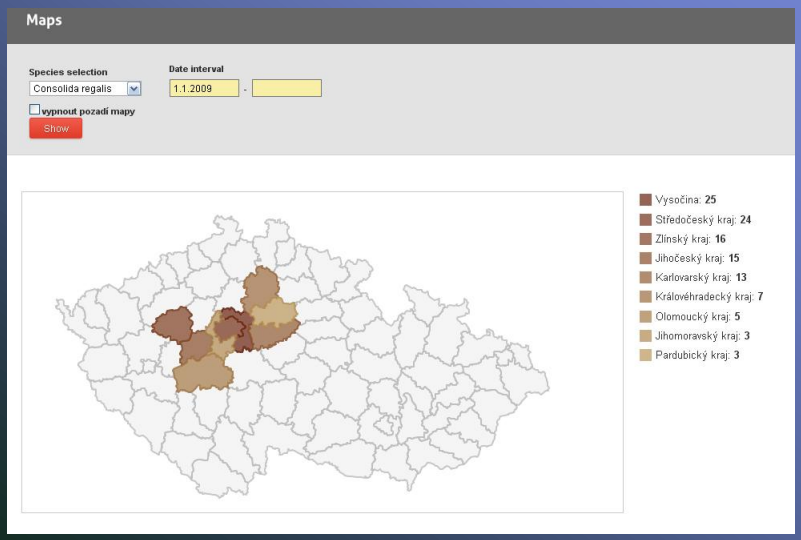
Maps

- 1. type - relevé(s) position
- 2. type – species distribution maps
  - calculated as mean cover of selected species in selected relevés
- export in .JPG format

Map of relevés position



Species distribution in defined regions



Important questions

- Is there a need for revision (validation) of inserted data by administrator? If so, how to do it?
- Is it appropriate to insert published data only?
- Is it appropriate to allow users to delete their own data from the database without permission?
- .....


Thank you for your attention.