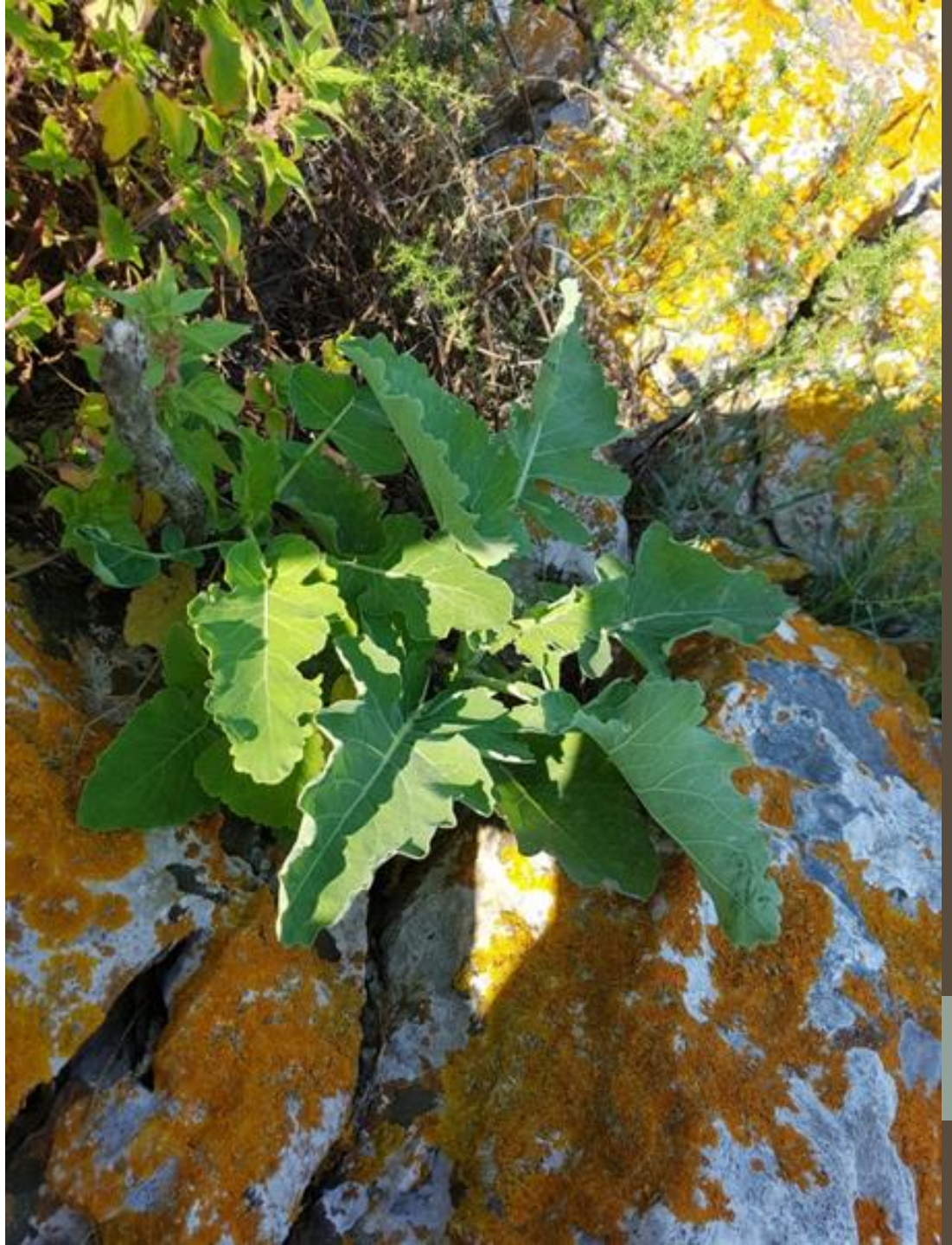




Brassica genetic resources in Croatia

*Smiljana Goreta Ban
Institute of Agriculture and Tourism*





Brassica genetic resources in Croatia

- Brassicas are grown all around country
- According to FAO (2018)
 - Harvested area – 1 768 ha
 - Yield - 22.4 t/ha
 - Production – 39.571 t
- Cabbage, kale, leafy kale, cauliflower, broccoli, rocket, etc..
- Fresh or sour cabbage





Brassica genetic resources in Croatia

- *Landraces are important particularly for sour cabbage production*

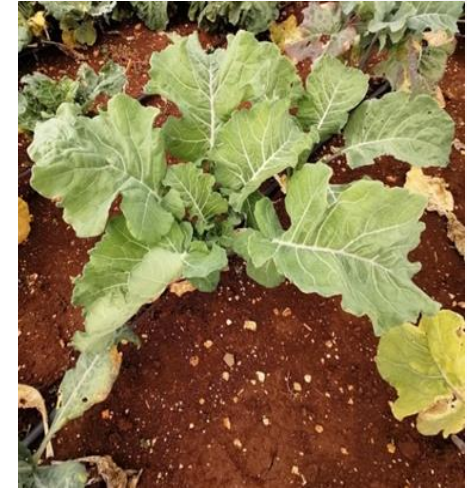




Brassica genetic resources in Croatia

- *Gen pool of Brassica oleracea var. acephala – leafy kale or collard*
- *50 accessions*
- *Morphological*
- *Molecular*
- *Biochemical*

} *characterisation*





Brassica genetic resources in Croatia



Hrvatska

Croatian Plant Genetic Resources
Database - CPGRD

	No. of accessions
<i>Brassica rapa</i> L.	1
<i>Brassica oleracea</i> L.	15
<i>Brassica oleracea</i> var. <i>capitata</i>	7
<i>Brassica oleracea</i> var. <i>acephala</i>	8



Wild Brassica in Croatia

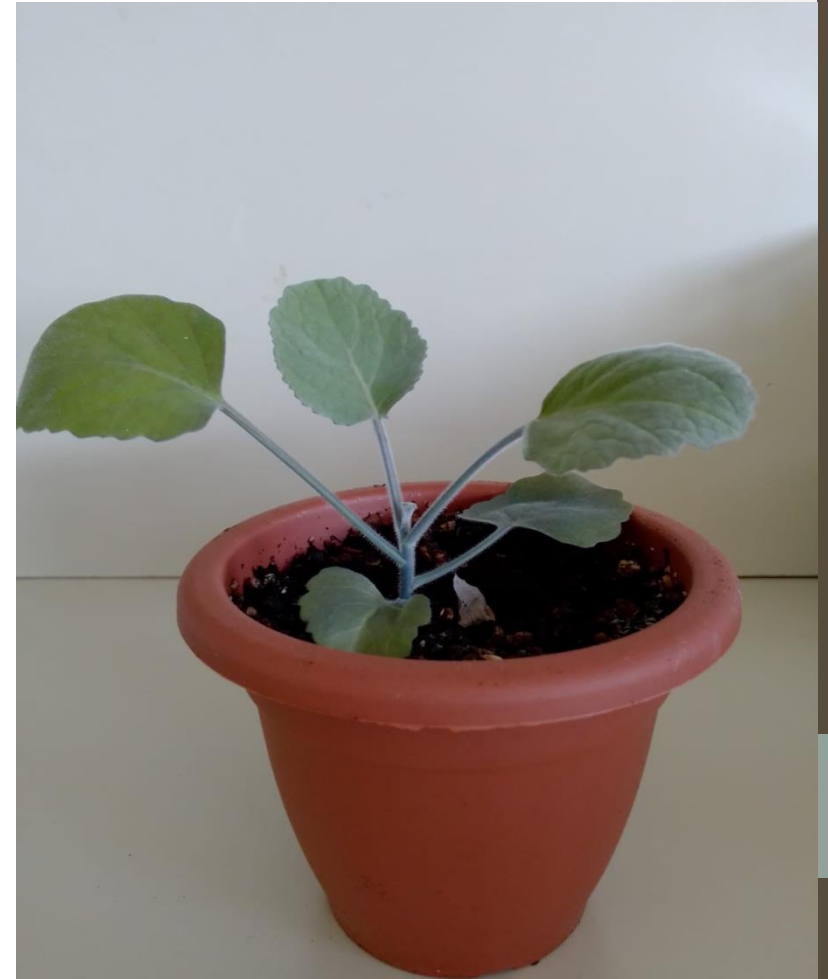
- no clear/uniform classification of wild Brassica species:

Maggioni et al. (1997)

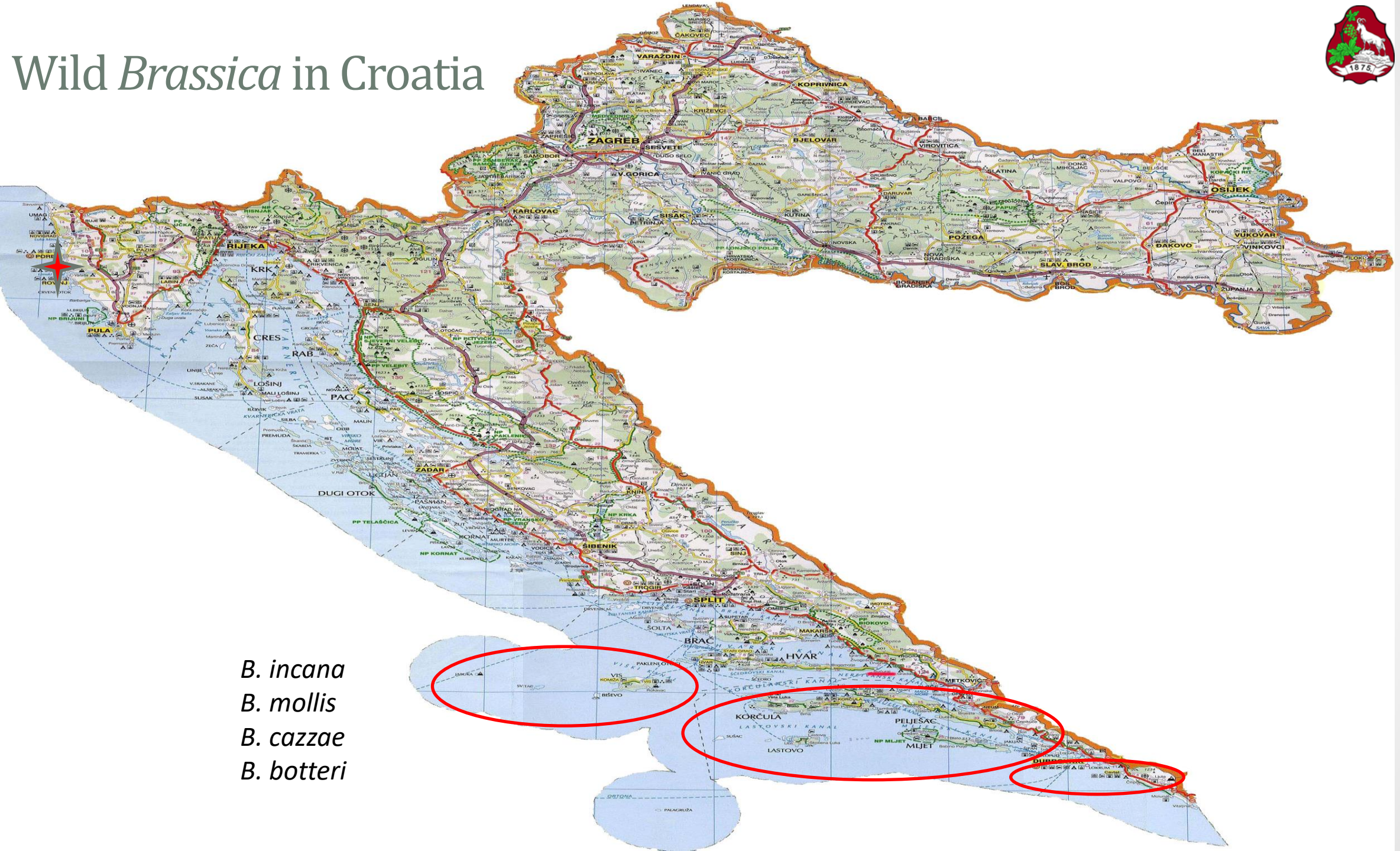
- *Brassica botterii* Vis. sin.
- *Brassica incana* Ten. subvar. *botterii* (Vis.) Hayek

Jasprica and Kovačević (2014)

- *B. mollis* Vis.
- *B. botterii*,
- *B. cazzae* (Ginzb. & Teyb).



Wild Brassica in Croatia

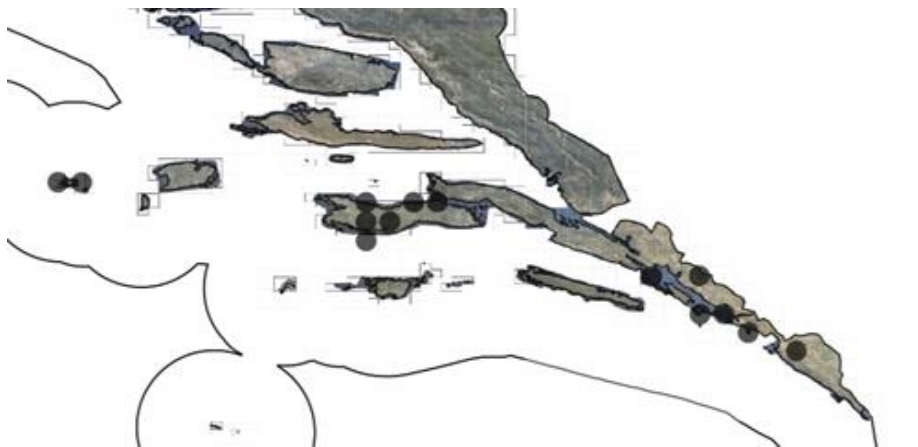


- B. incana*
- B. mollis*
- B. cazzae*
- B. botteri*

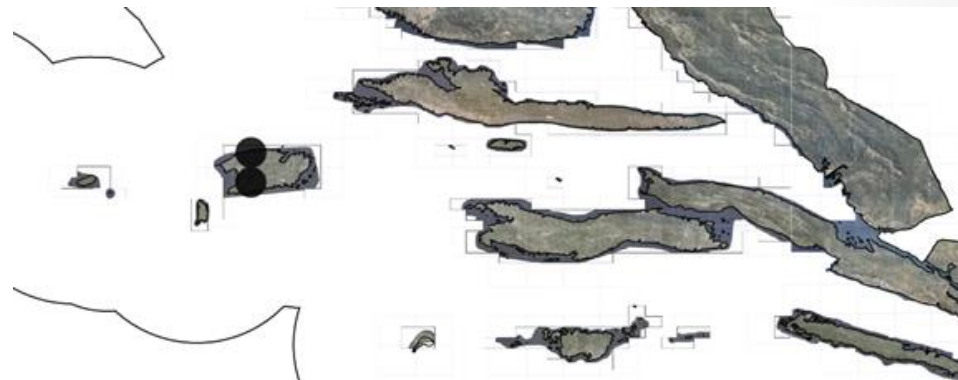


Distribution of wild *Brassica* in Croatia

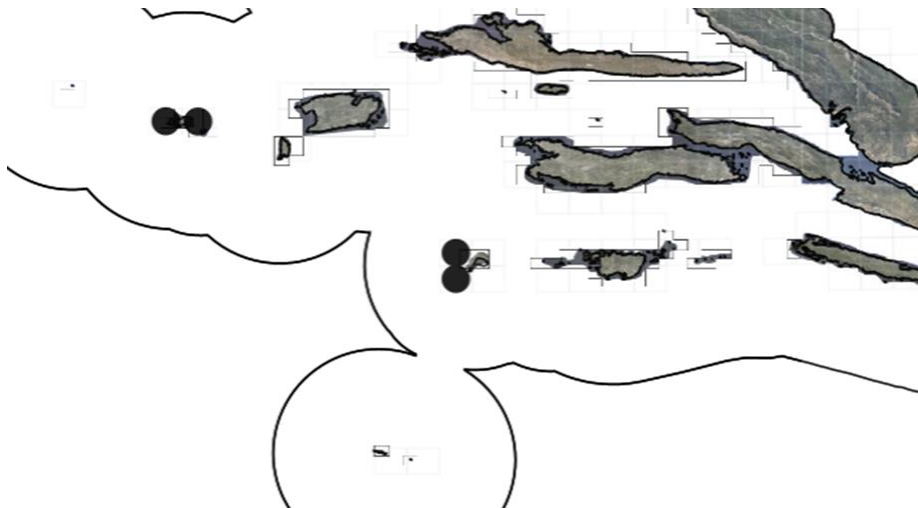
B. mollis



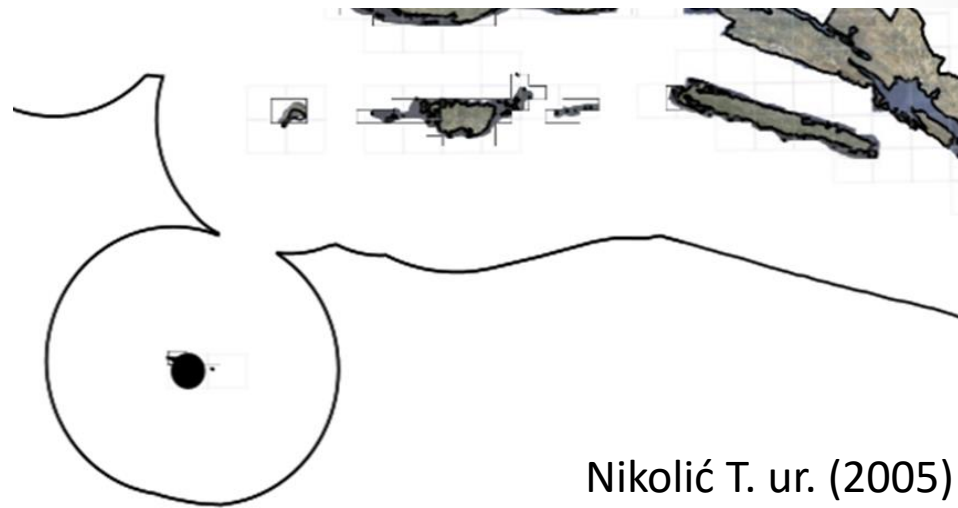
B. incana



B. cazzae



B. botteri





Wild *Brassica* in Croatia

Brassica mollis

Kosor



Obljak



Brassica incana

Mt Gargano,
Peschici



Tremiti,
San Domino





Wild *Brassica* in Croatia

Bunias erucago L.



Diplotaxis tenuifolia

