

Winter oilseed rape trial network

2026-2027



Winter oilseed rape Bóly from above...



Winter oilseed rape



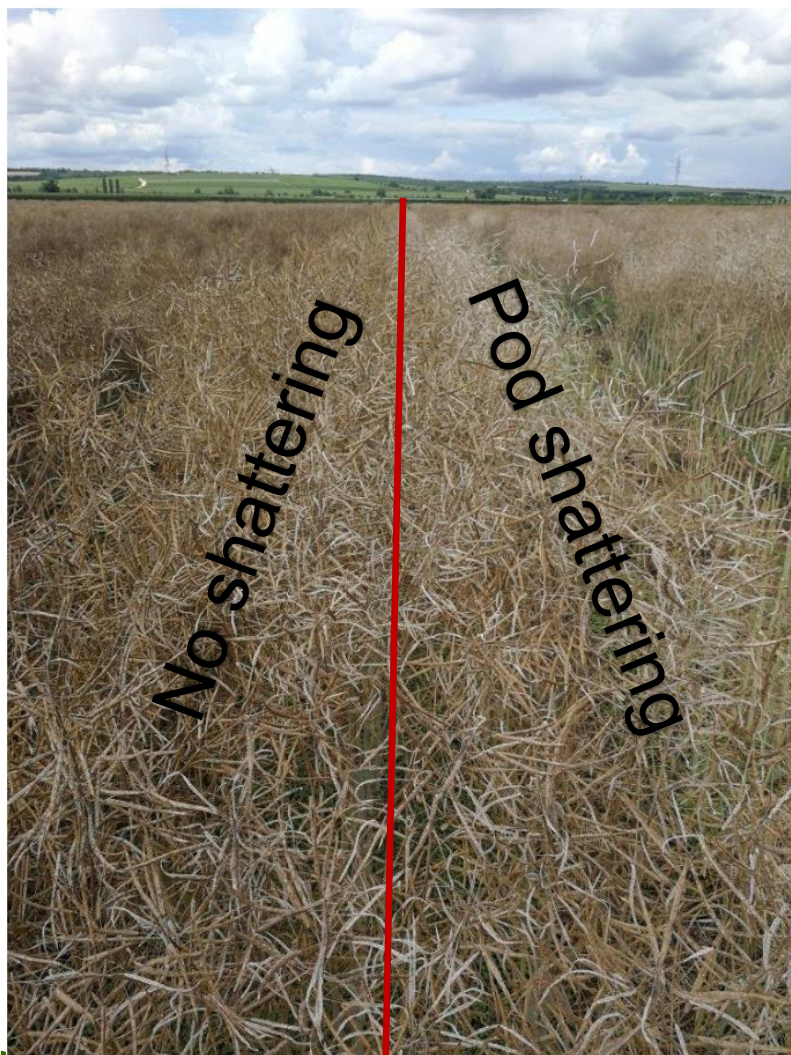
- **Why Hungary and Romania**

- Roughly 1 Mio Ha WOSR
- Within small distances:
 - Different soil types
 - Very different environment
 - Different cultivation technologies
- Good, motivated and experienced farmers with good agricultural technics, and good practices

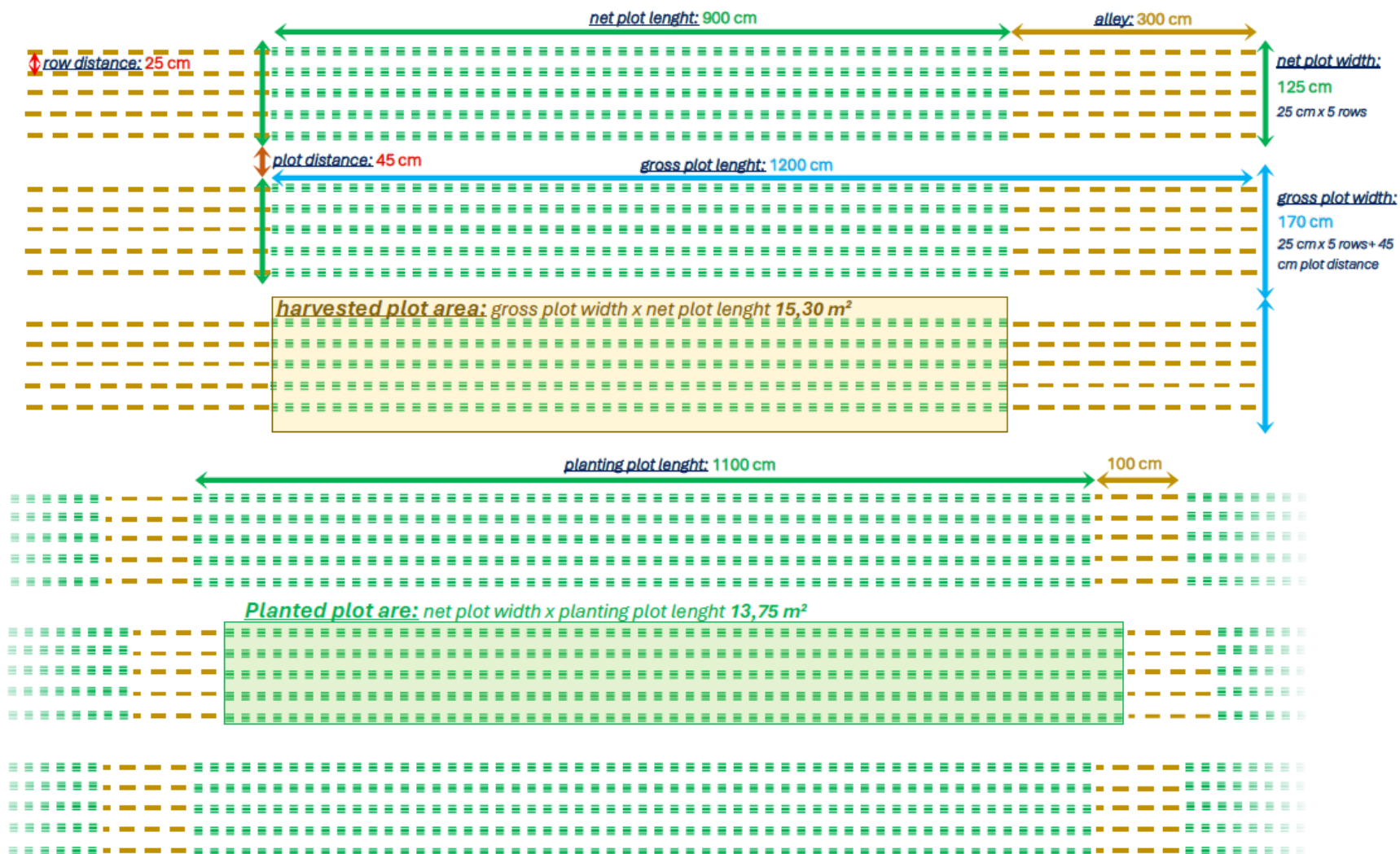
- **Why AgResearch**

- Very good machinery, good capacity
- Motivated,
- Experienced,
- Skilled team
- Extra observations, scoring possibilities
- Plot in Plot (PiP) technology to minimize border effect

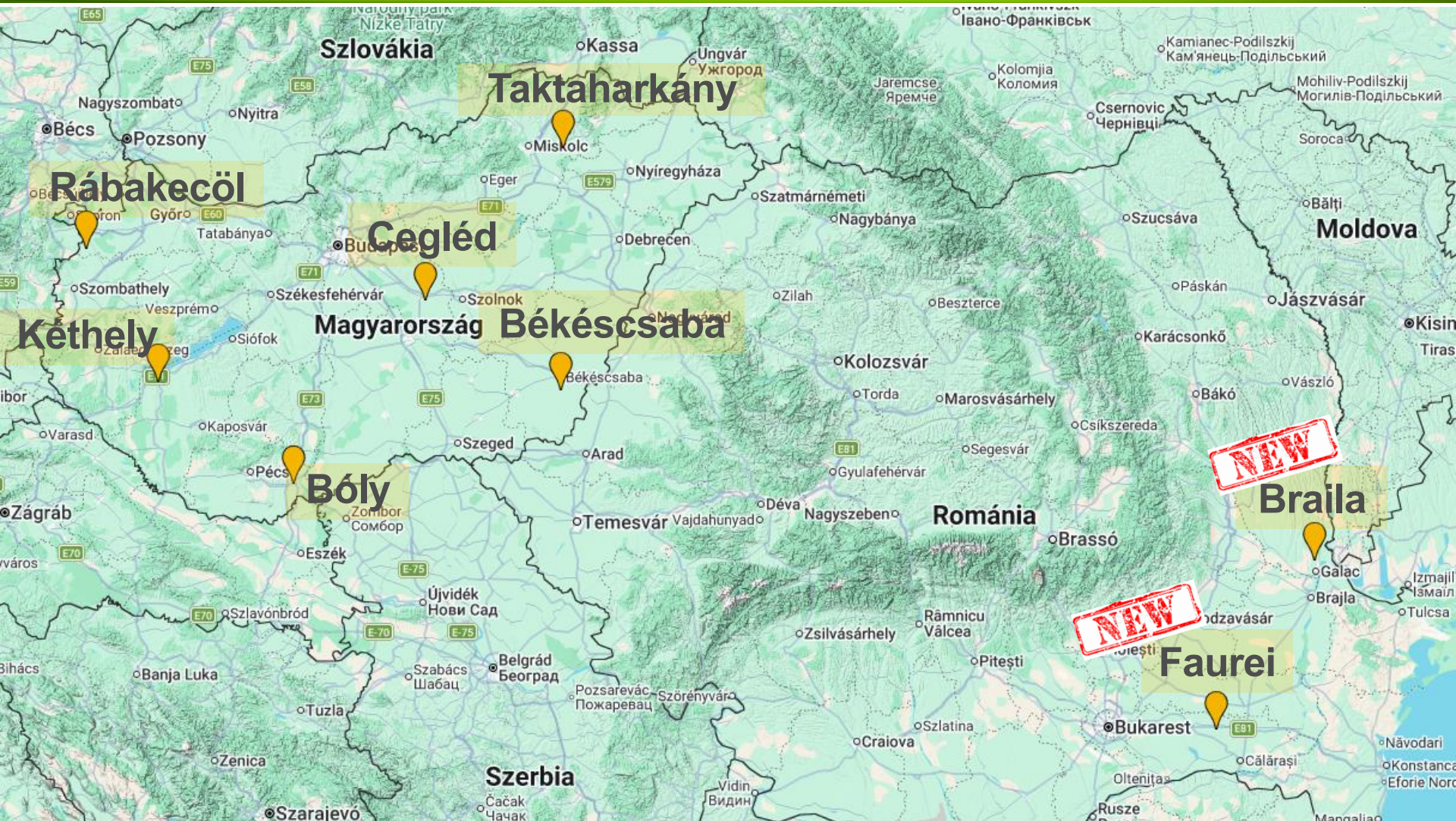
Winter oilseed rape



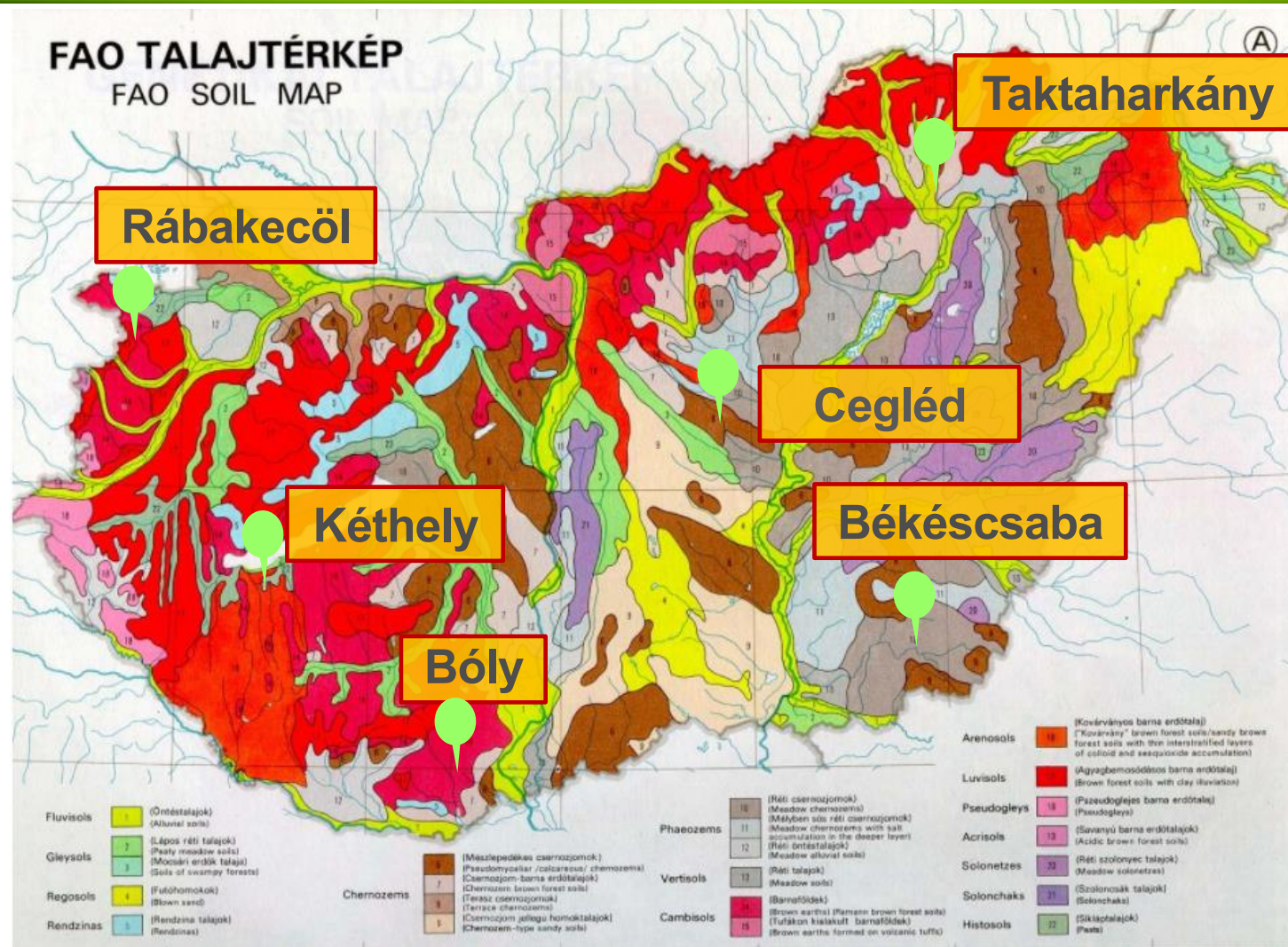
Winter oilseed rape



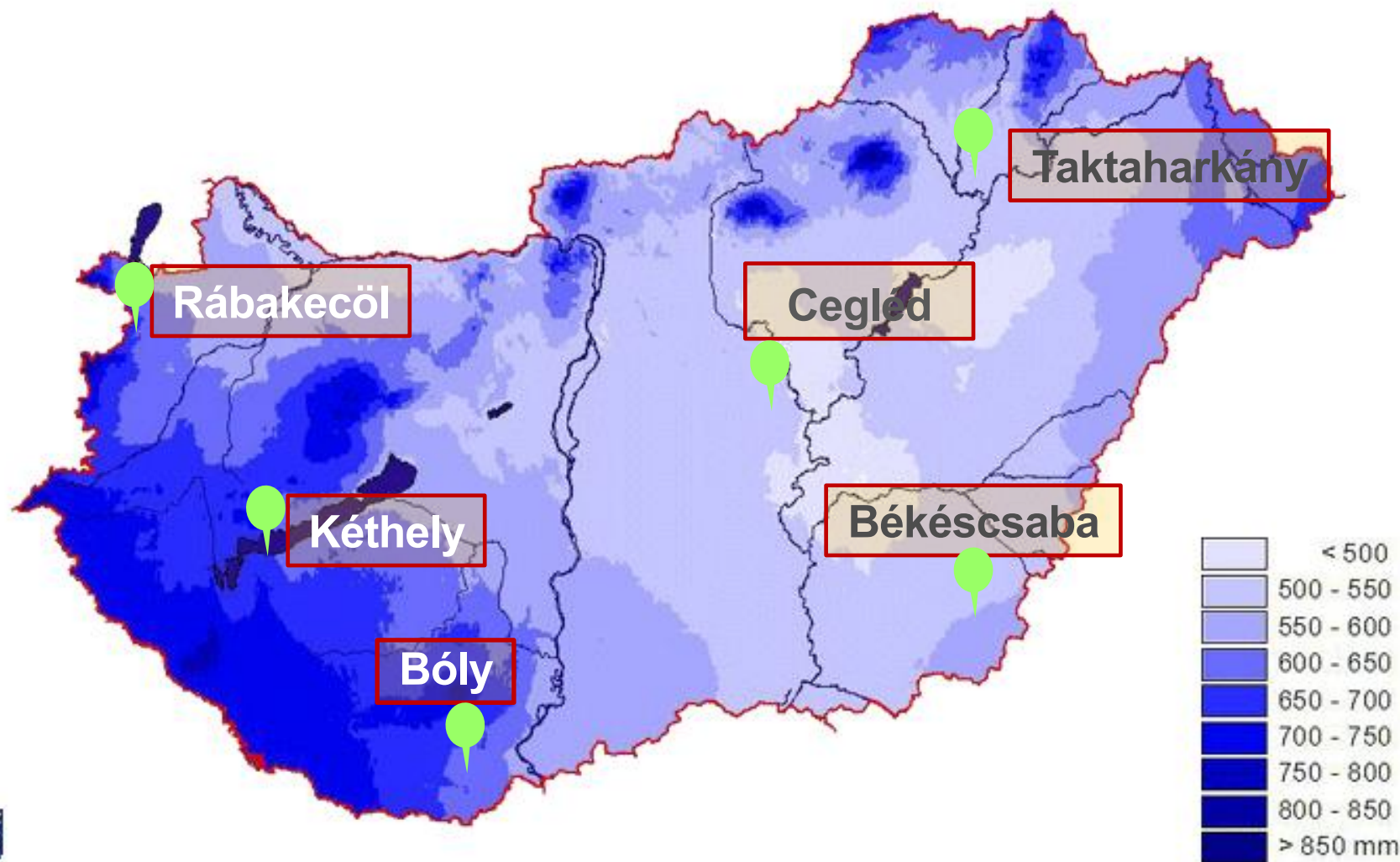
Locations WORS



Location soil types

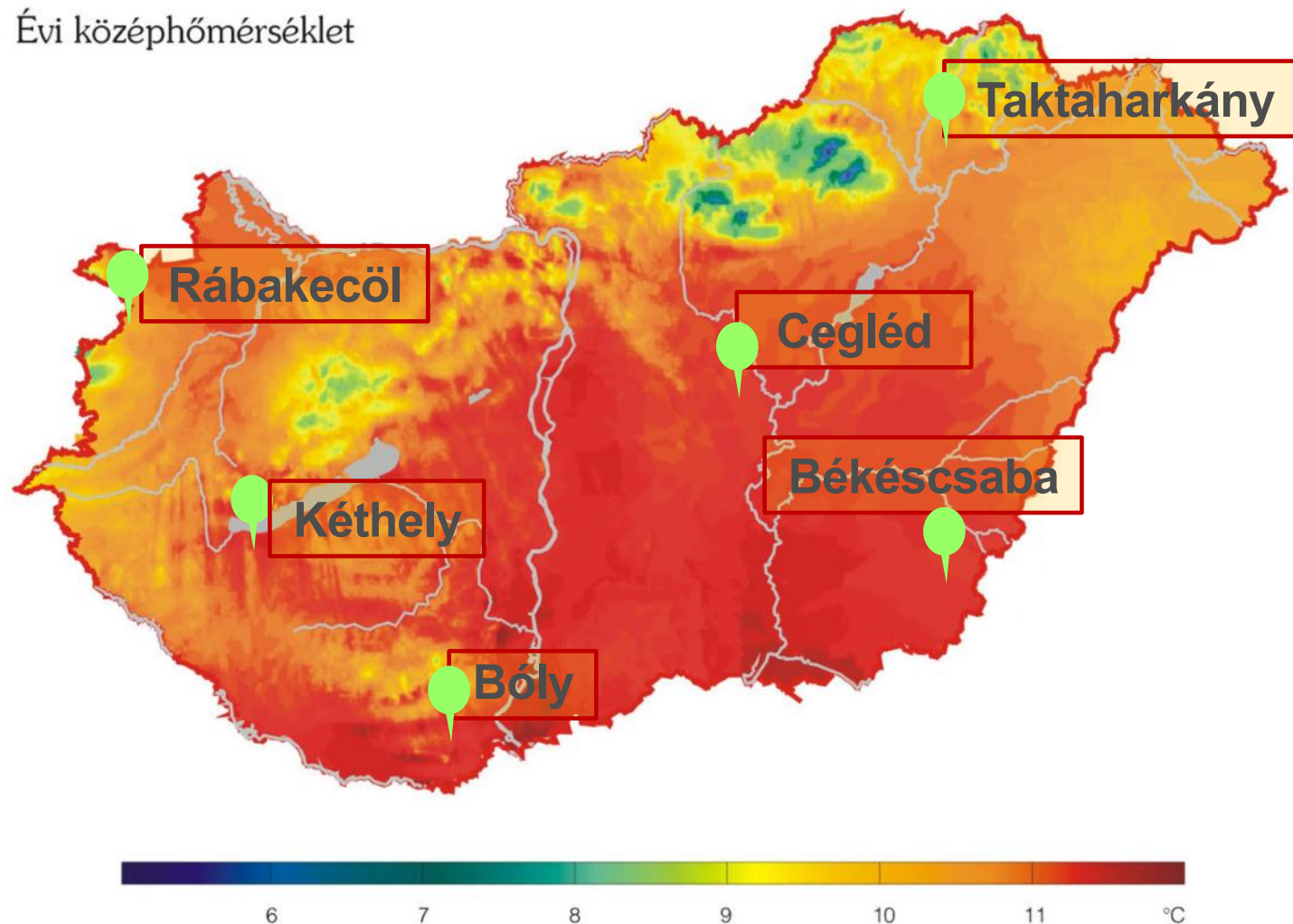


Location precipitation year average



Location yearly average temperature

Évi középhőmérséklet

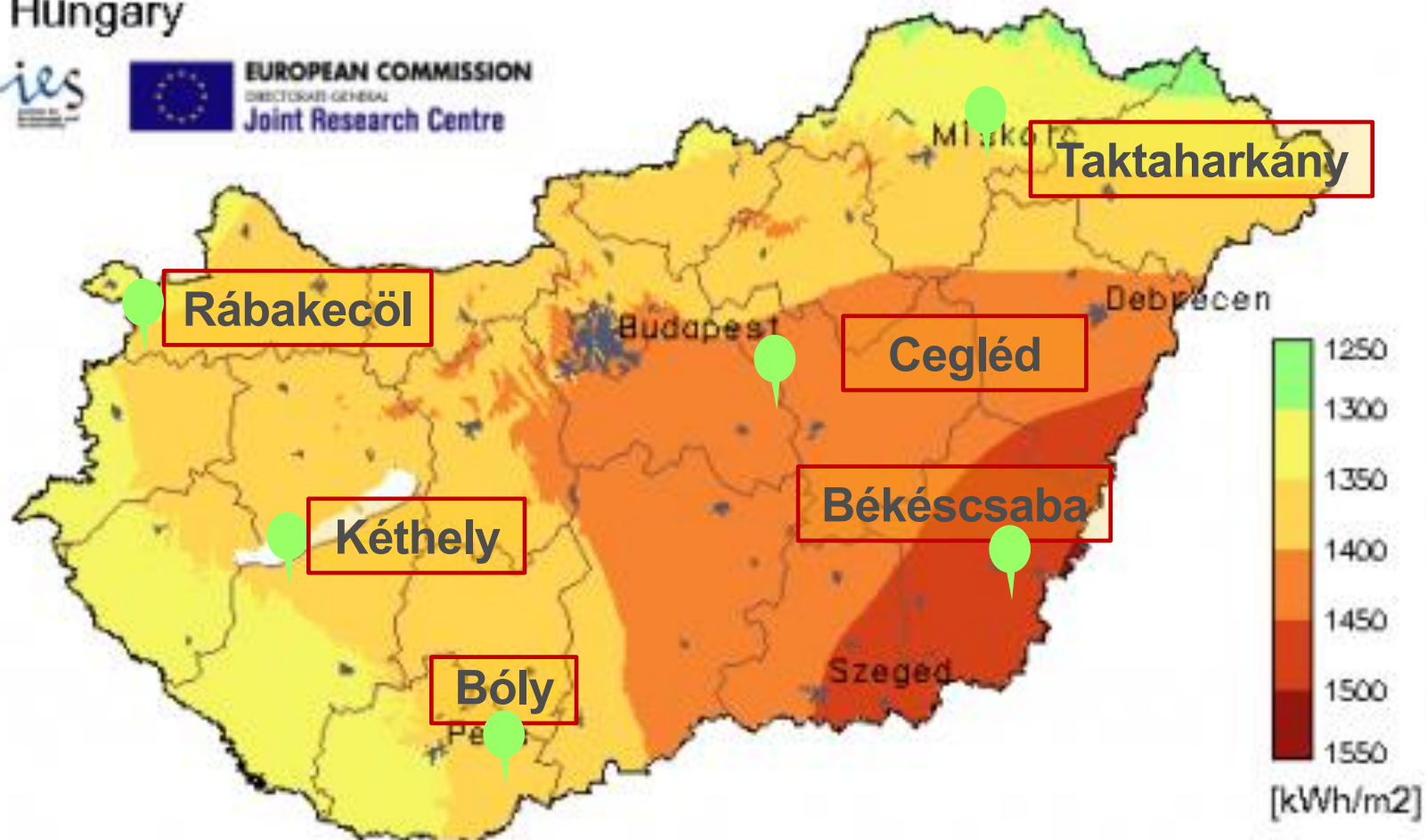


Location yearly irradiation

Yearly sum of global irradiation received by optimally-inclined PV modules
Hungary

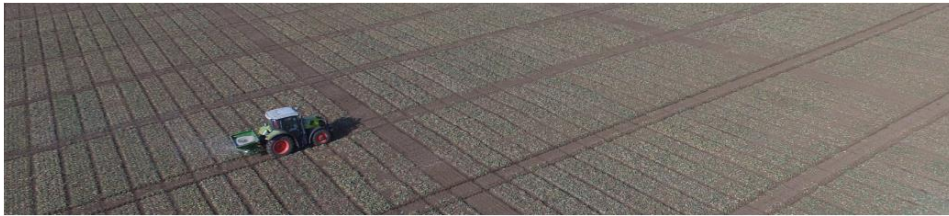


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<http://re.jrc.ec.europa.eu/pvgis/>



Agronomic trials

25 cm

50 cm

75 cm

- **Traditional small plot trial „standard plot”**
 - 5 rows
 - 25 cm row distance
 - 45 cm between plots (track wide)
 - Plot length 9 m + 3 m alley
 - Separating the plots before harvest
 - Harvest always in the opposite direction to separating
 - Sample taking is possible
- **Plot in Plot „PiP” small plot trial**
 - 5 rows, and 2+2 border row
 - 25 cm row distance
 - 45 cm track wide between central rows, and border rows
 - Plot length 9 m + 3 m alley
 - Separating the plots before harvest
 - Harvest always in the opposite direction to separating

- **Agronomy trials. Available with standard and Plot in Plot system:**
 - Plant density trial
 - Row distance trial
 - 25 cm
 - 50 cm
 - 75 cm (!), with 2, or 4 rows (PiP)
 - Different kind of spraying trial like
 - Fertilizer trial
 - Foliar fertilizer trial
 - Fungicide spraying trial
 - Planting time trial just in Bóly
- **Seed Preparation from bulk to ready for sowing**
 - Seed treating
 - Seed counting with precision counter developed for small size seeds

Machines

- Planter:
 - Wintersteiger 2x Plotseed S, with special modification for plot in plot planting
 - With microgranulate spreader
 - Lemken double disc opener
 - GPS controlled
- We have tractors with GPS, and small wheels
- We have sprayer and fertilizer spreader to work always in time in the trials
- Plot separator
- Power harrow
- Drone for observations and spraying



Machines

- Harvest
 - Wintersteiger NH Split double plot combine
 - Wintersteiger Quantum Pro
 - Wintersteiger Split double plot combine



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