

ECOBREED Potato

KIS, UNEW, IHAR, UP

Prague, 28 - 30 May 2019



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Funded by European Union
Horizon 2020
Grant agreement No 771367

OBJECTIVES in 2019 year

- Core Collection (CC) for potato – (65 potato cvs.) was developed.
- CC was planted on experimental fields in four countries: **Poland, Slovenia, United Kingdom and Hungary.**
- The experiments will be carried out for **three years (2019 – 2021)**
- CC planting scheme:
2 rows x 15 plants x 2 repeats = 60 plants /cultivar
- All cultivars will be characterized during vegetation seson and after harvest.
- From CC parental forms for breeding programs will be selected.

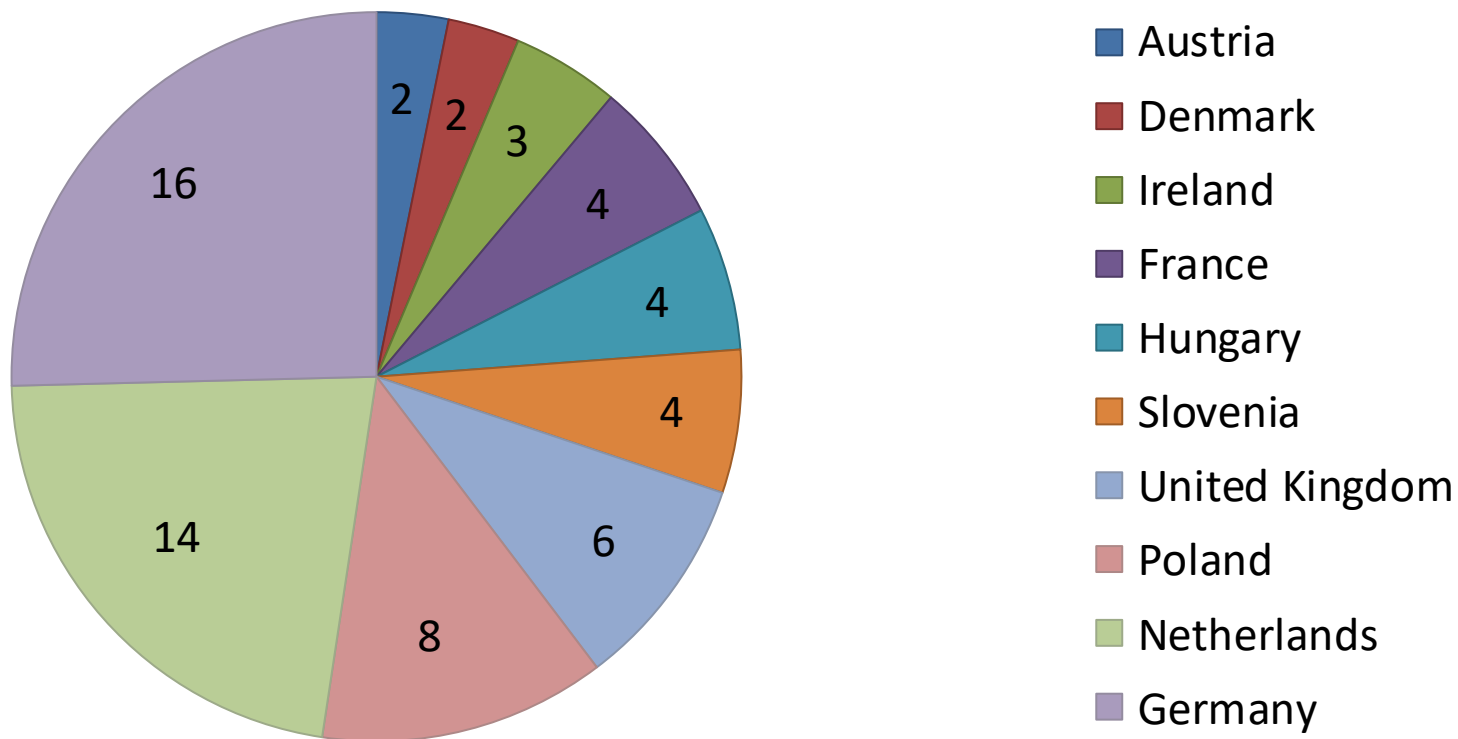


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Core Collection for potato (65 cvs.)



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General informations and additions analysis

soil analysis, fertilization, weed control, insect control, all dates of cultivation treatments

Plant assessment during vegetation season

vigor, habit, health, germination, vegetation period, flowering



Tuber assessment after harvest

qualitative and quantitative characteristics of the crop



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Resistance to *P. infestans* in field experimental and in laboratory test

- Field experimental (6 plants x 2 rep. - SLO i PL)
 - For each cv. - rAUDPC



- Detached leaflet test and tuber slice (6 leaflets/slices x 2 rep. - UK, SLO, HU, PL)



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Experimental plot in Poland



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The phenotyping trial in Slovenia



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Breeding – greenhouse



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Breeding - field



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