Romania: Case study no. 8 - Draganesti- Vlasca

WP3: Stakeholder involvement
The scientists from the project research team met with the stakeholders (farmers, land managers) and analyzed experimental design of the trials. There were established 4 experimental variants to be tested in a 3 years crop rotation:
- narrow rotation + legumes; balanced mineral fertilization; deep ploughing; weeds and pests control
- narrow rotation + legumes; balanced mineral fertilization; subsoiling; weeds and pests control
- narrow rotation + legumes; balanced mineral fertilization; chizel; weeds and pests control
- narrow rotation + legumes; balanced mineral fertilization; disk; weeds and pests control
The crop rotation is: barley – maize - soybean

WP7: Policy analysis
At the level of the study site there identified Romanian national policies which transpose the EU policies. In Romania, the national policies are applied also at regional and sub-regional/local levels. EU policies transposed in the national legislation are:
- CAP;
- Regulation on the financing, management and monitoring of the common agricultural policy No 1306/2013 (Horizontal Regulation);
- Organic Regulation 834/2007;
- Water Framework Directive 2000/60/EC (WFD);
- Floods Directive 2007/60/EC (FD);
- Nitrates Directive 91/676/EEC;
- Groundwater Directive 2006/118/EC;
- Sewage Sludge Directive (86/278/EEC);
- Sustainable Use of Pesticides Directive 2009/128/EC;
- Fertiliser Regulation No 2003/2003;
- Habitats and Birds Directives.

WP4/5: Assessment methodology/monitoring
The indicators which are evaluated within the trials of the experiment are:
Physical indicators:
- Max. rooting depth (control physical limitation) – measured twice (start and end of experiment);
- Water holding capacity – once;
- Soil aggregate stability - 2/y (start of cropping season, before harvest);
- Bulk density / total porosity - 2/y (start of cropping season, before harvest);
- Ploughing pan (subsoil compaction) - measured twice (start and end of experiment);
- Texture – measured once;
Chemical indicators:
- Nminer, P total, Extractable P, K, Ca, Mg, Organic carbon, pH, EC - 2/y (start of cropping season, before harvest);
- Pesticides, heavy metals - 1 / cropping season

WP8: Dissemination
SoilCare project was presented by the research team at different events:
- 21th International Exhibition of Inventics, INVENTICA 2017, June 28-30th, 2017, Iasi;
- 21th National Agriculture Trade, September 28th – October 1st, 2017, Braila;
- during the workshop organized within the EU H2020 “INSPIRATION” project, October 5 - 6th, 2017, Ostrov.