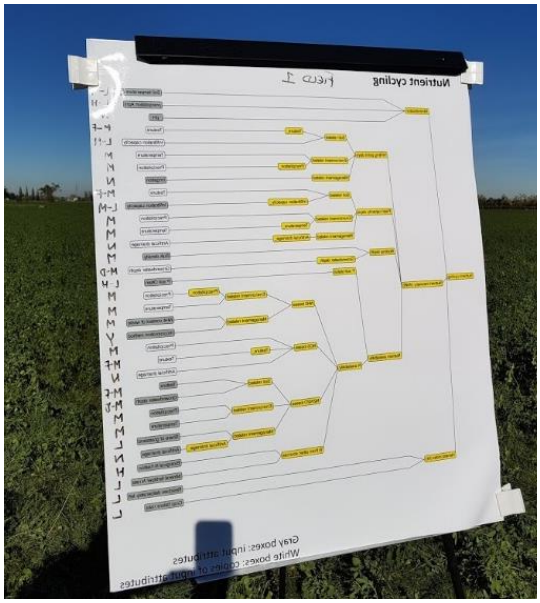
M9: Qualitative multi-attribute decision modelling in soil science

Organisers: Marko Debeljak[a], Aneta Trajanov[a]
[a] Jozef Stefan Institute, Department of knowledge technologies, Slovenia

Decision making in soil science is getting increasingly complex, therefore decision support modelling is becoming a useful methodology to make evaluation and selection of alternatives more transparent. In addition, decision models can be used for what-if analysis in the development of new theoretical or practical soil management solutions. This workshop will introduce the basics of qualitative multi-attribute decision modelling of soil functions. The participants will make their own decision models on selected case studies using the DEXi software. The participants will be able to apply the obtained knowledge on their own decision problems related to soil science.