

## **M17: Knowledge discovery and data mining in soil science**

Organisers: Marko Debeljak<sup>a</sup>, Aneta Trajanov<sup>a</sup>

<sup>a</sup> Jozef Stefan Institute, Department of knowledge technologies, Slovenia

The amount data in soil science is increasing tremendously and therefore data-mining is becoming a useful methodology to explore large datasets to get better knowledge about different soil functions and their synergies. In this masterclass, we will introduce the basics of data-mining for modelling and mapping of soil functions. The participants will make their own data-mining analyses on selected datasets using the data-mining suite WEKA. After the masterclass, the participants will be equipped with basic knowledge in data-mining for soil science and with practical experiences that will enable them to perform some basic data-mining on their own data of interest.

