

Thesis Template

1) Title*: *Laboratory GPR and FDR analysis for soil moisture estimation in sandy soils.*

Name of the **supervisor:** *Maurizio Ercoli*

Name(s) of a **potential co-supervisor(s):** *Lucio Di Matteo, Cristina Pauselli*

Prospective **assistance** in the supervision: *Lab Activity, Data processing and Interpretation*

Prerequisites based on specialization or specific compulsory courses or (if any): *Applied Geophysics. good attitude in the use of software in general and basic skills in data processing and forward modeling.*

Brief **description** of the planned research and references if needed, including the 1) **objectives**, 2) the **study area** and 3) the **research methods** foreseen: *Integration of geophysical methods aimed to obtain accurate water content estimations for typical Central Italy sandy soils; definition of efficient workflows and practices; application to real case studies. References available.*