



The project EXCAVA “**EXPLORE, CHARACTERIZE AND VISUALIZE**” (file number **IPT-2012-0979-380000**) intends to develop, under the leadership of DRAGADOS (ACS Group), ground recognition systems using geophysical techniques, fundamental application to tunneling through TBM, with the resolution required to anticipate the existence of changes in ground properties and/or geological structures that could be themselves potential fluid flow ways. For this development DRAGADOS counts on the collaboration of Institute of Earth Sciences Jaume Almera (ICTJA-CSIC). The project is co-funded by the Spanish Ministerio de Economía y Competitividad (**MINECO**) within the National Scientific Research, Development and Innovation Plan 2008-2011 (**INNFACTO 2012**) and the European Union through the **FEDER FUNDS** (Regional Development European Funds).