



## **1. Research activity (max 1.000 words)**

Aim of the project is the characterization of seismicity induced by hydrocarbon production activities through the definition of a 3D geo-structural model and by the analysis of available seismological data. This study will compare the seismicity recorded in the High Agri Valley (HAV) with shallow and deep geological structures constrained by field mapping, subsurface and seismic data.

During the second year of activity I performed:

1. scientific literature review and update;
2. Surface and deep data collection and acquisition through field survey in the study area and dataroom at Eni;
3. Build-up of 2D project in QGIS for the realization of a structural map of the study area;
4. Build-up of Kingdom project for seismic lines and wells data analysis;
5. Definition of geological sections at regional scale;
6. Build-up of a pseudo 3D model in Petrel Software.

As partial results of this second year I realized an improved structural map of the study area and some geological sections.