



## FIXLAB USER REPORT

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**Project Title** The provenience of stone tools materials from Middle Neolithic (Piscolt group), Late Neolithic (Herpaly culture) settlements from Carei area, Romania

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### 1. Project objectives

A large number of studies presents the provenance and petrographic characterisation of different kind of stone tools from different archaeological settlements from the Early Neolithic to Medieval Age.

The aim of our project is to compare the new PGAA results with previous PGAA data with, petrographic studies and with the existing information available in different databases. Finally, we aim to reveal provenance of the pots raw material their trading routs, and to create a map with the spread of this raw materials.

### 2. Main achievements and difficulties encountered

Between 25-30 september 2017 we have the possibility with the PGAA non-destructive metod to analyze, stone tools from Northen-western part of Romania at the Budapest Neutron Centre.

In this period we have been analyzed successfully 27 different polished stone tools (axes, ground stones, polishing stones and other stone artefacts). During this 5 days we succeeded to analyzed the all samples.

Most of the objects are valuable pieces from the collection of Satu-Mare County Museum, on which no analytical investigations have been done before.

We have faced the following advantages and disadvantages during the experiment:

In first day we started the analyzes a little bit later, because of the delay in the availability of the of the instrument.

During the access, we had the opportunity to work together with a geologist, who was able to mentioned some preliminary information about the source of proveniation of these tool.

With this analyzis we hope to have acces to some useful information about these objects chemical composition and its source of provenance.

The detailed evaluation of the results are still in progress.