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Kai Fechner, Frédéric Broes, Viviane Clavel, Mathieu Le Bailly, François

Malrain

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Scientific contents: Kai Fechner, Frédéric Broes

with the help of

Viviane Clavel Mathieu Le Bailly and Francois Malrain

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The studied examples point to a correlation between the success of phosphorus and chemical mapping of houses, annexes and surroundings, one one side, and the study of type and preservation of natural soils, on the other The latter are mostly determined in the field, which makes a pedological field intervention essential. They are also in relation with soil climate as shown by some general trends in the presented Late La Tène and antique case studies.	The main objective is the definition of functional differenciations in (parts of) these buildings and annexes . On a broader scale, specialists of house and settlement archaeology have been longing for some time for a systematisation of the research on functionalities. It is hoped that the proposed step by step method will allow the selection, in the field, of the cases and places that are adapted, as well as to the more systematic but well targetted sampling, budgeting and analyses that respond to such a demand.	
 Concerning the field approaches, we follow a step by step method that comprises : i- the intervention of a soil scientist in the field, including finding and describing reference profils in the natural soil and avoiding variability between the samples, ii- sampling only if convenient, iii- followed by P-tests and sample description, iv- classification of the relative (less to more) P-enrichments, v- putting this and the useful other descriptions on the archaeological plan, so as to check possible correlations with the house or other past limits. 	The field approaches lead, if sucessful, to : vi- laboratory analyses including total phosphates and cations on a selection of samples (and if adapted also iron, organic carbon, chlorium, sulfur,) vii- a larger span of analyses is using rapid methods as portable X-ray fluorescence (for some of these elements). viii- if successful, hypotheses based on these analyses can be conforted and precised by phytolith analyses and pa- laeo-parasitology (on more or less organic layers) and fecal biochemistry (on a well chosen sub-sample).	In the decarbonated silts and sands, buildings are sampled and analysed successfully even when they are slightly eroded or scraped. In the rare cases where a surface horizon is preserved, this is conside- red as a «not to be missed» occasion for a variety of soil- and other analyses. By contrast, on very calca- reous soils and in zones with a mediterranean cli- mate, only very completely preserved surface hori- zons bear the traces of the chemical enrichments and also are «unmissable» for other approaches.

