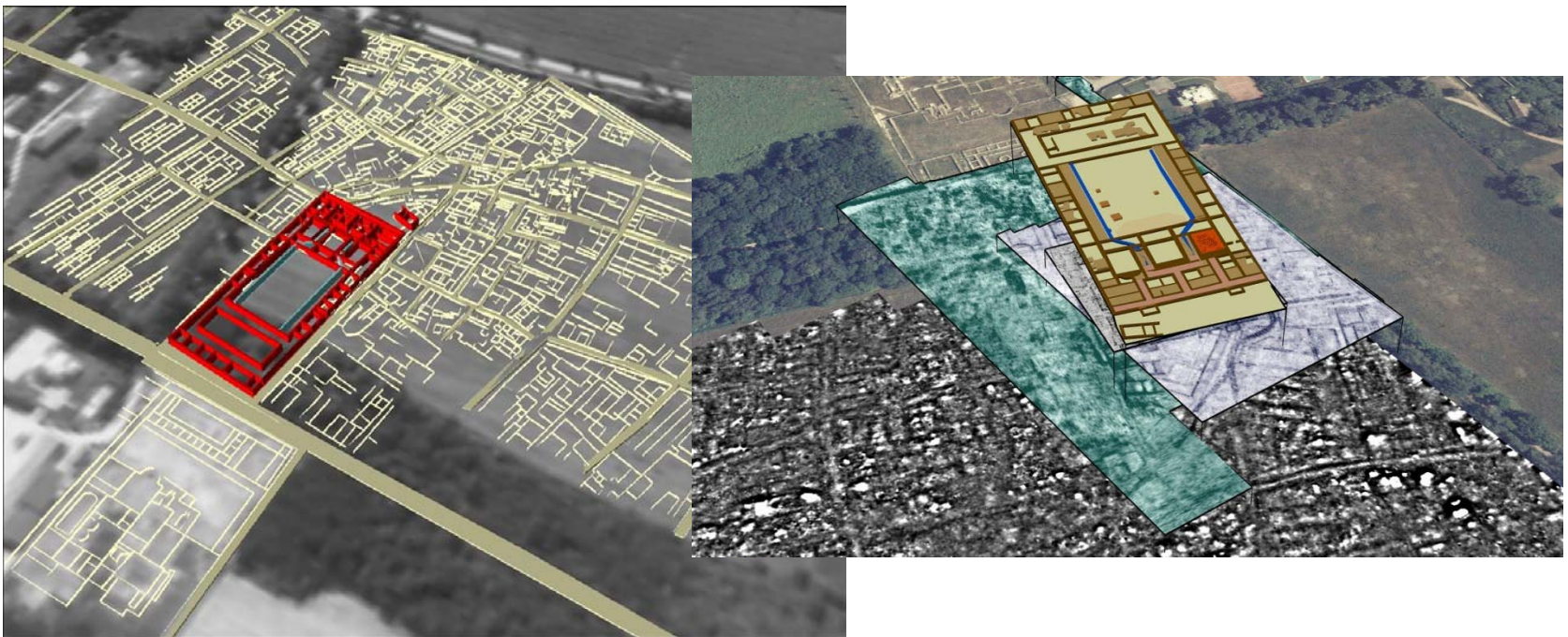


Table ronde internationale organisée par l'UMR 5133 Archéorient (CNRS – Université Lyon 2) et la Direction Générale des Antiquités et des musées de Syrie.



INTEGRATED ARCHAEOLOGICAL PROSPECTION OF PROTO-URBAN AND URBAN SITES

Conférence donnée par Wolfgang Neubauer

Ludwig Boltzmann Institute for Archaeological Prospection and Virtual Archaeology

Vienna Institute for Archaeological Science, University of Vienna

An integrative strategy for the survey of Roman city sites combining systematic, large-scale aerial archaeology and airborne remote sensing with ground-based high-resolution geophysical prospection through joint archaeological interpretation of the digital data in GIS environments is presented. This strategy is outlined at the examples of proto-urban European sites and urban sites in Austria and the Mediterranean. A special focus is set on the Roman town of Carnuntum east of Vienna. The case study Carnuntum is exemplary for an integrative use of state-of-the-art archaeological prospection methods. Existing and specifically recorded aerial photographs permit an overview across the entire site. Area-wide, non-destructive geophysical prospection using magnetic, earth resistance and GPR methods and their resulting digital images allow the fast and cost efficient generation of detailed maps of buried archaeological monuments. These documents are of fundamental importance for the cultural heritage management and the spatial planning of the site, and serve as cost efficient scientific documentation of buried archaeology for the research community. Large-scale, high-resolution state-of-the-art magnetometry and GPR surveys combined with airborne laser scanning and airborne imaging spectroscopy - as essentially developed and applied by the new *Ludwig Boltzmann Institute for Archaeological Prospection & Virtual Archaeology* and its partner organizations - will become the most important and widely used tools in future large-scale archaeological geophysical prospection, and are ideally suited for the investigation of proto-urban and urban sites and complete archaeological landscapes

Maison de l'Orient et de la Méditerranée

Mardi 28 juin 2011

Amphithéâtre Benvéniste à 16H40