

Part I

Methods and Techniques

By ‘New Technologies’ we mean a set of tools and methods including the digital encoding, archival and retrieval of information; the networking of computer resources; the Internet, Web, multimedia and mobile communications,... All of them pervade our society with newer and newer achievements. Being both cause and consequence, the scientific research work itself has undergone profound changes: the latter involve not merely automating and speeding up procedures, but making incredibly easy the access to data and knowledge sources, thereby enabling the integration of data from whatever origin and the effective cross-disciplinary exchanges among Scholars. The research work about the extraordinary heritage of the city of Aquileia is an example of such an evolution. The new technologies for Aquileia are the topic of a Workshop held on may 2, 2011 to provide a forum of discussion and foster new collaborations; the present volume contains the contributions presented at the Workshop. The first part mainly addresses methodological and technical topics. J.W.E.Fassbinder gives an overview on the geophysical techniques adopted in the archaeological research, as well as the combined methods applied to the survey of ancient roman sites in Bavaria. A.Traviglia reports the project ‘Beyond the City Walls’ that integrates field data from Remote Sensing, Geophysics and Satellite Positioning (GPS). V.Roberto and P.Omero propose to establish an international network of computer resources, with a unified GIS access, to enable the re-use, exchange and integration of data sources from the partner Institutions.