



Assessing Roman large-scale hydraulic systems Data integration for large-area research

Online One-Day Colloquium

6th of May 2022

Call for Papers

This colloquium aims to explore new methodological approaches to the study of Roman hydrological systems. How can we study these systems most effectively across urban and extra-urban areas? How may we situate the different structural elements that facilitated water supply in their wider social, architectural and landscape contexts?

Often discussed in isolation, large water structures such as Roman bath complexes and *nymphaea* or individual water features, such as toilets and fountains, operated as part of and in relation to a system of infrastructures that worked at a district, urban or even regional scale, such as aqueducts, sewers, roads, and local distribution systems. An added challenge to analysis is understanding temporal change. How might adjustments in the design and function of different elements over time impact on the operation and character of larger hydrological systems? Making sense of such complex networks of actions and interactions requires an interdisciplinary approach and the development of a robust data integration methodology.

This day-long remote session colloquium aims to offer a space for debate on large-scale ancient hydraulic systems and data integration engaging scholars from a wide range of disciplines, including archaeology, architecture, civil and environmental engineering, geology, geography, urban planning and urban infrastructure.

The event is organised by the *Rome Transformed* Project team and team members look forward to sharing methodological insights from that project, while learning more about innovative approaches applied elsewhere. *Rome Transformed* is an ERC-funded Project focusing on the Eastern Caelian in Rome, an area of 69 hectares in size, and brings together data derived from the recording and reassessment of all the surviving ancient and early medieval structures, alongside hydraulic analysis, archival research, geophysical survey, and borehole data analysis.

31 of January 2022 – Deadline for abstract submission. Prospective speakers are requested to send a 500-word summary to rometransformed@gmail.com.

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<https://research.ncl.ac.uk/rometrans/outputs/workshops/>