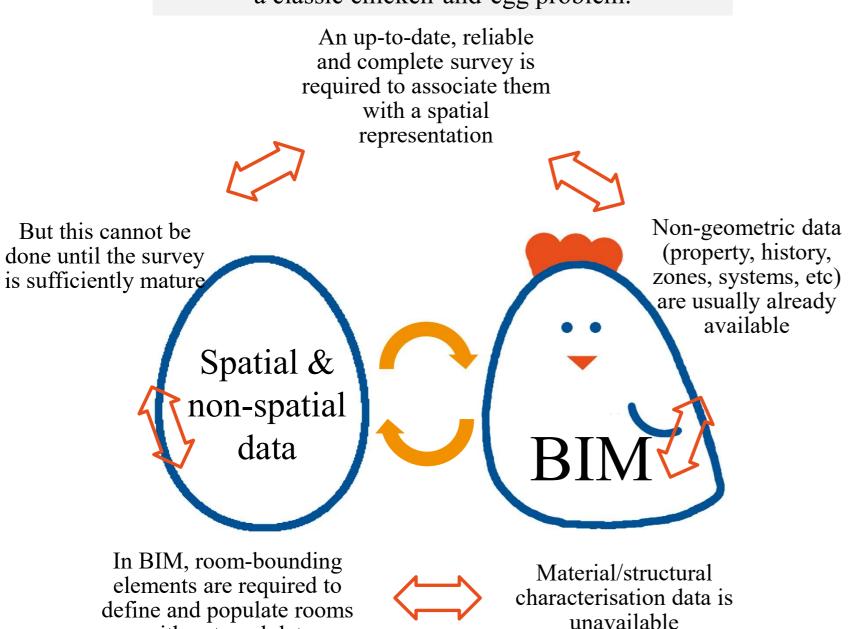


## A non-conventional platform for overcoming GIS and BIM limits in the management of built heritage

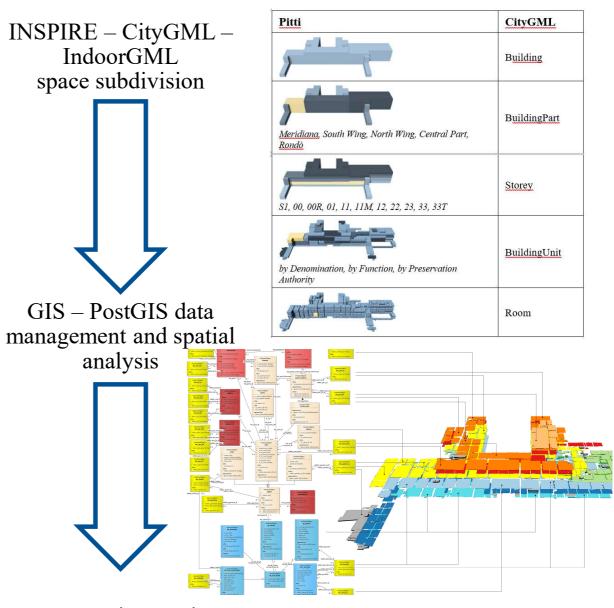
PhD program in Civil and Environmental Engineering



The IT management of complex heritage building is a classic chicken-and-egg problem:



## An alternative approach:



BIM-GIS integration

Selected bibliography

with external data

Bonfanti, I. et al., 2021. Development of an integrated BIM-GIS management tool for maintenance plan of historical heritage. *ARQUEOLÓGICA 2.0 & 3rd GEORES*. doi: 10.4995/arqueologica9.2021.12131 Colucci, E. et al. 2022. A BIM-GIS Integrated Database to Support Planned Maintenance Activities of Historical Built Heritage. *Commun Comput Inf Sci*, 1507. doi: 10.1007/978-3-030-94426-1\_14 Noardo, F., 2018. Architectural heritage semantic 3D documentation in multi-scale standard maps. *J Cult Herit*, 32, 156–165. doi: 10.1016/j.culher.2018.02.009 Suter, G., 2022. Modeling multiple space views for schematic building design using space ontologies and layout transformation operations. *Autom Constr*, 134, 104041. doi: 10.1016/j.autcon.2021.104041





