GIS AND H-BIM INTEGRATION FOR THE PLANNED CONSERVATION OF THE FORMER ASYLUM SANTA MARIA MADDALENA IN AVERSA (IT)

MARINA D'APRILE, Università degli studi della Campania Luigi Vanvitelli marina.d'aprile@unicampania.it

STEFANIA LANDI, Università di Pisa, stefania.landi@ing.unipi.it

LUANA LANZA, Università degli studi della Campania Luigi Vanvitelli, luana.lanza@unicampania.it

MASSIMILIANO MARTINO, Università di Pisa, m.martino@ing.unipi.it

NOEMI MAZZEI, Università di Pisa

Abstract.
By integrating GIS (Geographic Information System) and H-BIM (Heritage - Building Information Modelling) approaches, the study developed a management platform of knowledge to designing and managing conservation plans in the long term of multi-stratified sites, extended, articulated, extensively degraded and dismissed since long ago, which hardly might immediately receive consistent conservation and reuse programmes and resources. For the former asylum of *Santa Maria Maddalena* in Aversa (IT) perfectly matching the above features, have been developed different integrated operational scenarios, ranging from the "building freezing" and securing processes up to the maintenance ones, in the light of diverse site uses (none, temporary, permanent), as well as of a safe use of its historic park.

Keywords: *GIS/H-Bim integration; former mental hospitals; building freezing*