Serena Morrocchesi is Researcher at Department of Chemistry of the University of Florence, within the CHANGES project (Spoke 5). She holds a master's degree in Science and Materials for Conservation and Restoration of Cultural Heritage. She conducted her master's thesis research on diagnostic techniques, in particular on FORS, XRF, FT-IR, Raman, multiband and hyperspectral imaging applied to Purple manuscripts. She was a visiting researcher at the insiTUMlab of the Technical University of Munich. Her current research interest is focused on the development of advanced hybrid materials for the protection and conservation of contemporary outdoor artworks. Particularly, the formulation of a consolidation system based on nanolime, nanosilica and HNTs loaded with biocides, for concrete land art installations subject to biological attack. The preparation of a protective chitosan-nanosilica based coating for street art murals exposed to environmental stresses.