



International No-Dig 2019
37th International Conference and Exhibition



Florence, Italy
30th September – 2nd October 2019

Paper Ref #
(the paper ref# will be supplied to authors)

The Italian solution on the Cadastre of technological infrastructures

Abstract:

This paper aims at showing the implementation of the Italian Cadastre of technological infrastructures, its maintenance and updating.

S.I.N.F.I. is the identified platform devoted to the coordination and management within of the new broadband and ultra-broadband Italian strategy. Among its functions, it facilitates sharing of infrastructures, thanks to a structured management of the under- and over-ground technological networks and related interventions; it also offers a single dashboard that efficiently manages and monitors all interventions.

Previously, the need of such a platform was put in relation to the rational use of the underground and the implications onto the management of public land: consequently, even on the mobility infrastructures and transportation systems, as well as risks for people and manufactured goods, but also to prevent the economic damage resulting from accidental breakage of pipes and ducts. The increased awareness in terms of safety and civil protection has further expanded its importance, linking the need for its availability, for example, within environmental issues, such as hydrogeological instability, and in the context of critical infrastructure management (see Directive 2008/114 / EC).

Last but not least, the availability of this register is necessary to make aware choices on sustainable development, according with the UN 2030 Agenda for Sustainable Development, signed in September 2015 by the Governments of the 193 UN Member Countries, specifically with respect to the themes of the Strategic Development Goals 9 “Build Resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation” and 11 “Make cities and human settlements inclusive, safe, resilient and sustainable”.

The paper aims at providing solid answers to a multiplicity of operators / stakeholders in this respect / application framework, thanks to the availability of a national information system specifically dedicated to the over- and under-ground network infrastructures: the S.I.N.F.I.