

# Semantic Web Technology Roadmap

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**Abstract.** The Technology Roadmap activities promote a discussion on (i) the current and future trends on semantic web tools and applications, (ii) general organizational needs (common markets and social drivers, user requirements, etc.), and (iii) technology locks between organizational/user needs and research activities. Some emerging challenges should be unveiled and recommendations should be provided. These results are disseminated widely in order to allow researchers and entrepreneurs to address their activities, in a mutually beneficial way.

This paper describes first results of the technology roadmapping activities pursue in the IST NoE Knowledge Web. In particular, it presents the semantic web state of the art, several foreseen evolutions, and some challenges to be addressed.