

Open Karelia System Integration for Tourist Assistant — TAIS

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Abstract—Tourist assistant — TAIS was developed under joint project of European Union, Finland and Russian Federation to provide cross-border e-tourism framework in Karelia and Oulu region. The main purpose of the service is to recommend attractions to the tourist that could be interesting in considering with the current situation. Attractions, their descriptions and images are extracted from open, free of charge Internet sources (like Wikipedia, Wikivoyage, Pano-ramio) that allows to provide the service for any regions. The TAIS is recommended by the FRUCT community for finding way to the FRUCT conference venue and exploring places of interest around it. Service architecture is based on Smart-M3 information sharing platform that

implement smart space concept. It makes possible to significantly simplify further development of the system, include new information sources and services, and to make the system highly scalable.

Demo shows extending of the TAIS information sources list with the “Open Karelia” museum information system. Extension is realized as knowledge processor in the smart space that merges information provided by “Open Karelia” with TAIS ontology. Knowledge processor is available to provide objects by coordinates, information about objects that includes descriptions and images.