

City Eye: Accessibility for All

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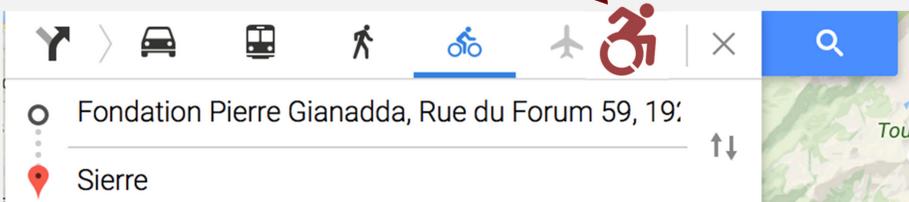
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Introduction

In today's world, making a good **travel plan** is not an easy task for most people. Things will be complicated for the **people with disabilities**.

A wide variety of travel planning may be made days or months in advance, such as **where**, **when**, and **how** to travel, as well as how to get around there, and how to choose the suitable mean of transportation.

Our solution is to apply the **linked data technology** in the domains of **tourism services** and **e-governance** to build a **smart city** to provide useful travel information for people with disabilities and to make their travel easier.



Research Context

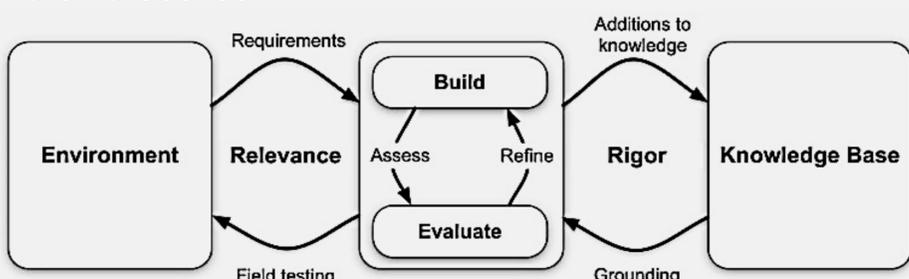
According to the World Health Organization (2015), over a **billion** people, about **15%** of the world's population, have some form of disability.

In Switzerland, the number of people with disabilities reached **780,000** in 2012 and about **40%** can be considered severely disabled.

In 2012, the EU travelers with special needs undertook **783 million** trips within the EU-area. It has been estimated that if European destination were to provide fully accessible destination the demand could increase of **44%** every year.

Methods

Design Science Research methodology that integrates the heterogeneous information by using three approaches: **integrated-source**, **business-source** and **crowd-source**.



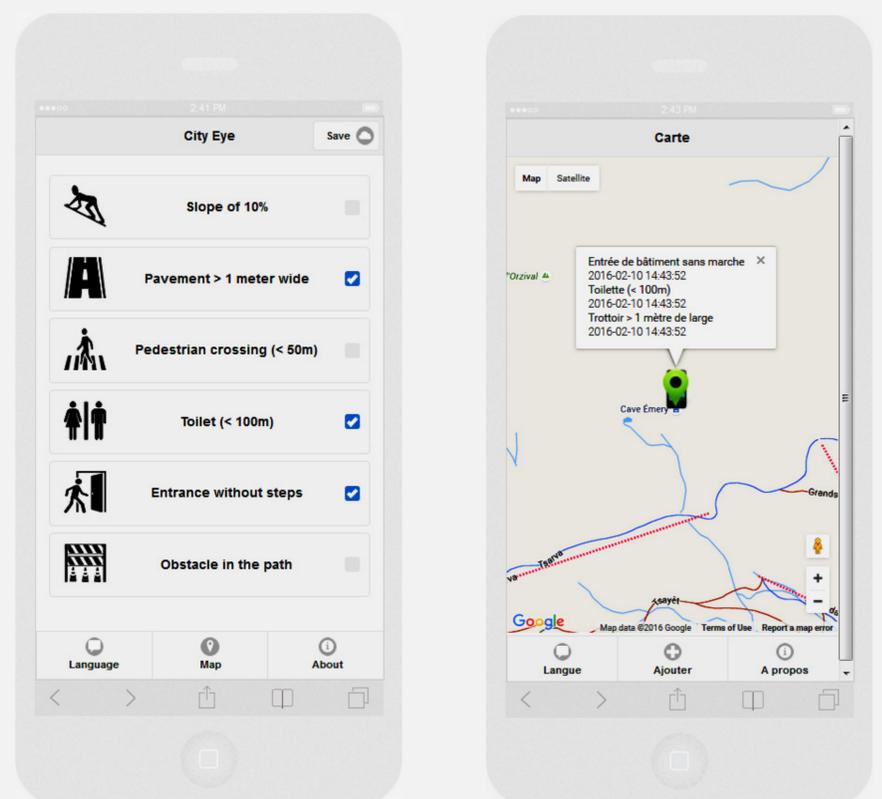
Practical Implications

Measuring travel **motivators**: identify main determinants that influence travel decisions.

Recognizing new **opportunities**: profiling growing areas of potential and market trends for people with disabilities.

Monitoring industry **satisfaction**: monitoring satisfaction of tourism activities performance.

Mobile Application



Future Research

Implement our solution with **real data** from different organizations, enterprises, and government aspects, as well as data from the Web, in order to **evaluate performance**.

Develop **tourism decision support system** to help the tourism destination managers set up the tourism process and guide disabled tourists in a reasonable and reliable manner.

Contact Information

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