

## Carlos Varela Martín

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### **Personal information:**

Carlos is originally from Spain, and he studied his Bachelor of Environmental Sciences in the University of Granada before joining the MIND programme.

The international experience has important for him, starting with his Academic Erasmus in Belgium; and the MIND programme has reinforced this, with stays in the Netherlands and Austria. Indeed, he decided to stay in Graz after finishing his master's degree.

Carlos worked in Spain and Portugal in the field of environmental dissemination, and he is also interested in issues of a more technical nature. He has particular interest in approaching sustainability under a holistic point of view, translating this interest into his master's thesis *Indicators for Smart Cities*.

Currently, Carlos works at the Technical University of Graz, researching how to better implement sustainability in urban developments.

### **Title of thesis: Indicators for Smart Cities**

#### **Abstract:**

The Smart City is a relatively new concept that is not formally defined yet. The approaches to the future urban development behind the term Smart City range widely, from technological- to human-centered visions. Throughout this thesis is taken an insight into different initiatives based around the concept of Smart City, and into several issues relating to what urban development means and how can it be measured. Then it is proposed a set of indicators to approach the concept of Smart City in a holistic way, with emphasis in the climate policies and their interrelation with other aspects of the city system. It is believed that the indicators presented and discussions drawn will be useful to urban developers and policy makers.