

Developing an integration tool for soil contamination assessment

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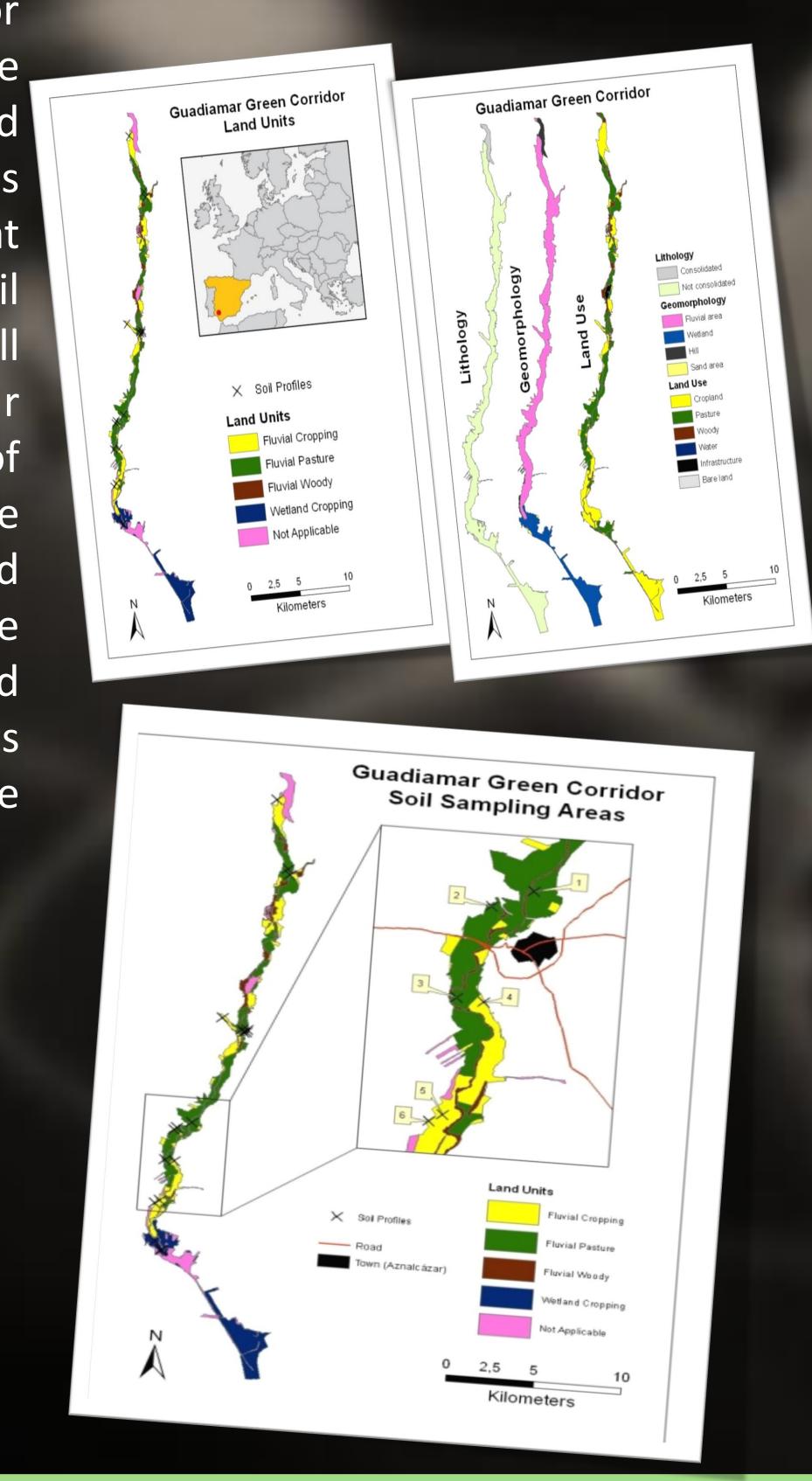


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Introduction

Guadiamar Green Corridor (Southern Spain) was used as a case study, aiming to obtain soil data and new information in order to assess soil contamination. The main threat in the Guadiamar valley is soil contamination after a mine spill occurred on April 1998. About four hm3 of acid waters and two hm3 of mud, rich in heavy metals, were released into the Agrio and Guadiamar rivers affecting more than 4,600 ha of agricultural and pasture land. Main trace elements contaminating soil and water were As, Cd, Cu, Pb, Tl and Zn.

The objective of the present research is to develop informatics tools that integrate soil database, models and interactive platforms for soil contamination assessment.



RECARE Guadiamar database



RECARE platform Guadiamar case of study Preventing and Remediating degradation of soils in Europe through Land Care Home RECARE project Soil threats Case Studies Tools Base web platform under construction Desciption Public repository: Public information available for stakeholders Databases Scientific communications Legislation Other documents Functionality for model evaluation will be also included. The users will be able for use the models and databases in a easy way