



Soil Health Business Model in Urban sites. The Case of Tamarguillo Park

Urban soils face ongoing challenges due to population growth and increased construction driven by rural migration. This leads to greater housing density, increased infrastructure demands, and transportation needs. In the case of Tamarguillo Park, located in Sevilla (Spain), the primary concerns regarding soil health revolve around contamination and the impacts of residential development, traffic, and transportation planning. The main challenge is to create sustainable and resilient green spaces that are easily accessible to everyone being profitability for potential investors to design a business model. This aims the application of different management practices such as the implementation of ecological gardens, new vegetation patches, cleaning campaigns or water monitoring in order to enhance human well-being, combat urban heat islands, manage water resources, and mitigate the risk of floods in cities. Additionally, these green areas provide facilities that boost local businesses, revaluating nearby properties, increasing the daily traffic of people and creating a perfect area for recreation and organisation of activities. Furthermore, it is proved the existence of an enhancement in the human well-being of the community , with a significant stress reduction. The environmental challenges are the improvement of soil structure to facilitate soil water storage for vegetation and increase biodiversity and soil health.

