



Research Summary Sheet

GIS application for spatial / territorial analysis as support to Waste Management Plan (WMP) and Strategic Environmental Assessment (SEA)

Context and Challenges

Geographic Information System (GIS) and spatial data was used at vineyards and wineries of Oplenac wine region in Serbia.

Each location of the vineyard is associated with many attributes important for the vineyard maintenance: parcel size, number of plants and planting age, variety, amount of pruning waste, etc.

Results and Applications

Based on field measurements, waste quantities were calculated and estimated for wineries. These calculations/estimations served as an input to identify current state of agro-waste management at regional level as well as a basis for the development of a more objective Agro-Waste Management Plan.

GIS database become a starting point for creating integral information waste management system, enabling monitoring, updating data on waste and serve as a basis for planning the waste management strategy at the regional level, and potentially on the national level.

Breakthroughs, benefits and added value

This work triggered a change in practices in the surveyed region in Serbia: until now, waste was discharged (and quite inappropriately ...) and thanks to NoAW – work, economic actors became aware of the potential and prepare to use the waste for heating in the future.

Geodatabase is available via Web GIS portal on: <https://cloud.gdi.net/visios/NoAW>

Further information on NoAW project: <http://noaw2020.eu>

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