

Determining Waste Bins Locations by Using GIS

Volkan Yildirim, Fatih Terzi and Bura Adem Atasoy (Turkey)

Key words: Geoinformation/GI; Land management; geographical information systems; waste management; waste bins locations

SUMMARY

The increasing world population, urbanization, and so on. reasons have led to a significant increase in waste production. This situation has made the process of accumulating waste in trash cans one of the important problems of today's cities. In most cases, placing the bins without the use of any criteria causes waste bins to not be placed effectively. This often causes waste bins to overflow or not to fill completely within certain collection periods. With this study, the location of waste bins has determined by using GIS. In addition, the average of the points was taken when determining the location of waste bins. In this way, waste bins are placed in the most appropriate locations, overflow, etc. environmental problems are minimized. In addition, the cost of the collection process is reduced by preventing waste cans from being empty at the end of the collection period.

Determining Waste Bins Locations by Using GIS (11013)
Volkan Yildirim, Fatih Terzi and Bura Adem Atasoy (Turkey)

FIG e-Working Week 2021
Smart Surveyors for Land and Water Management - Challenges in a New Reality
Virtually in the Netherlands, 21–25 June 2021