



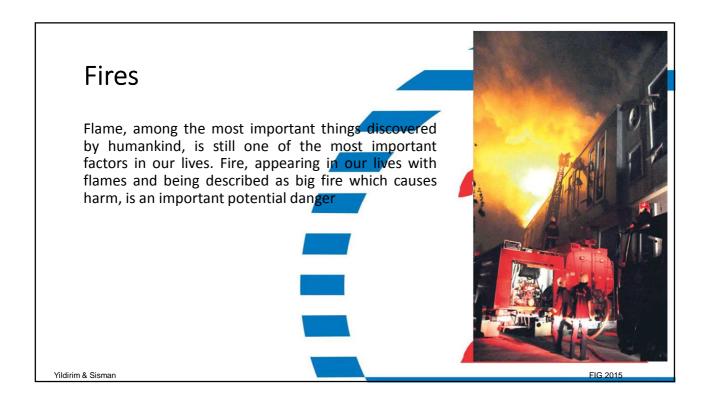


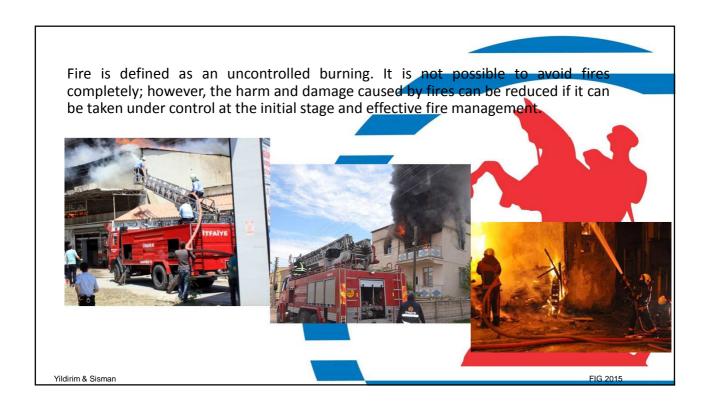


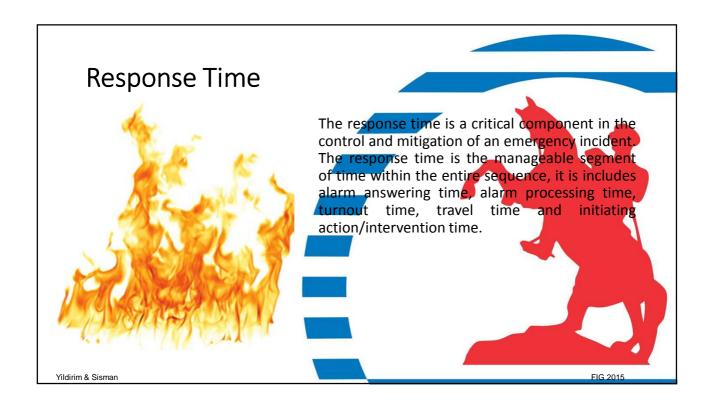


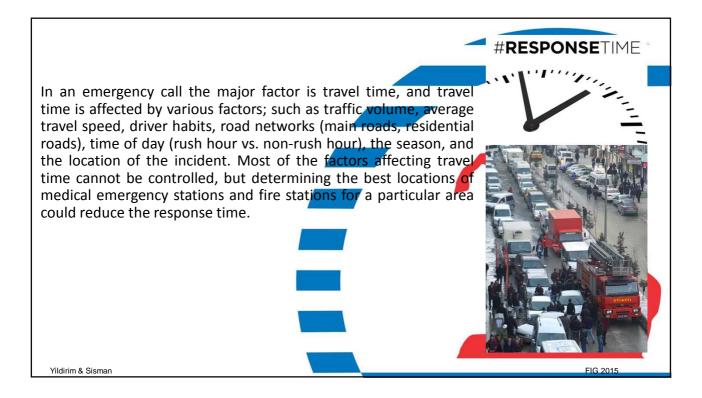
## Determination of Fire Station Coverage Area Using Response Time Approach: A Case Study of Samsun

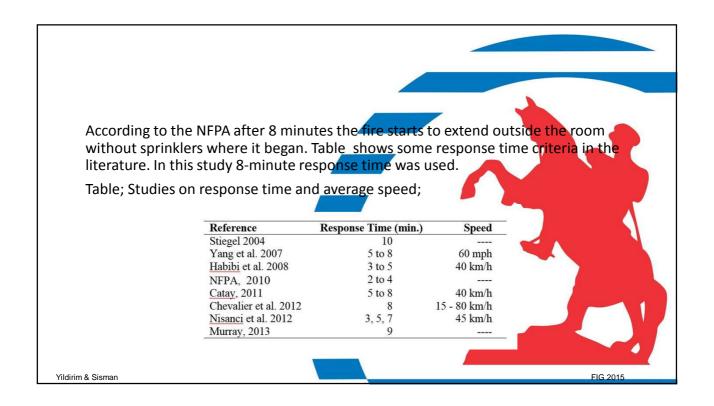
R. A. Ridvan E. YILDIRIM
Asst. Prof. Aziz SISMAN
Ondokuz Mayıs University, Department Of Geomatics
SAMSUN
2015

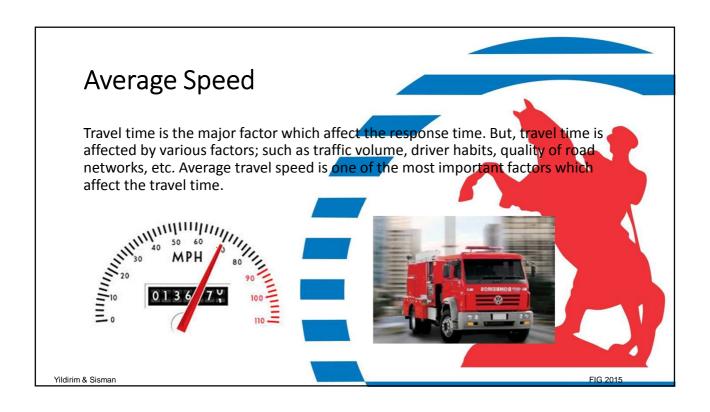


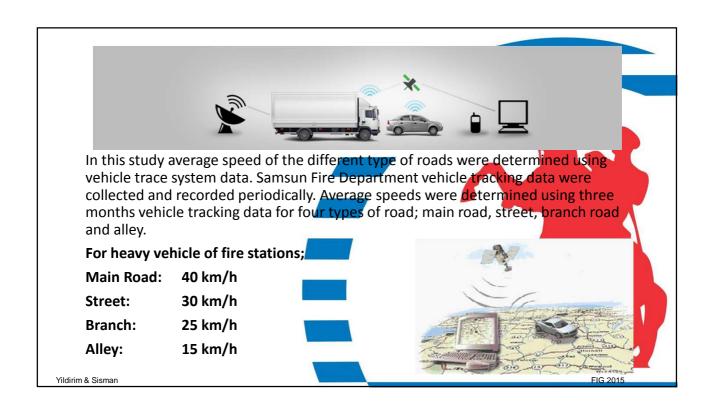


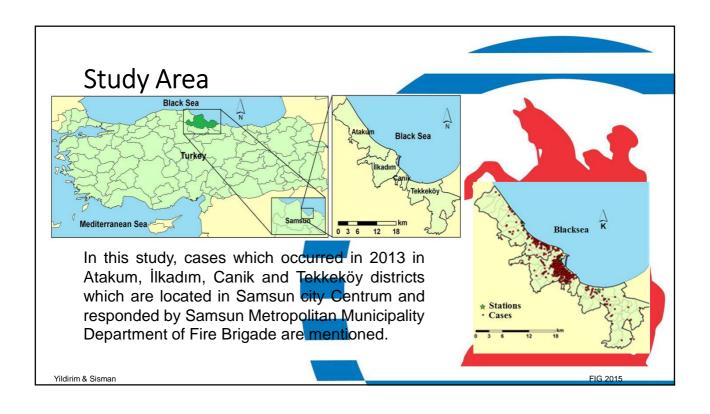


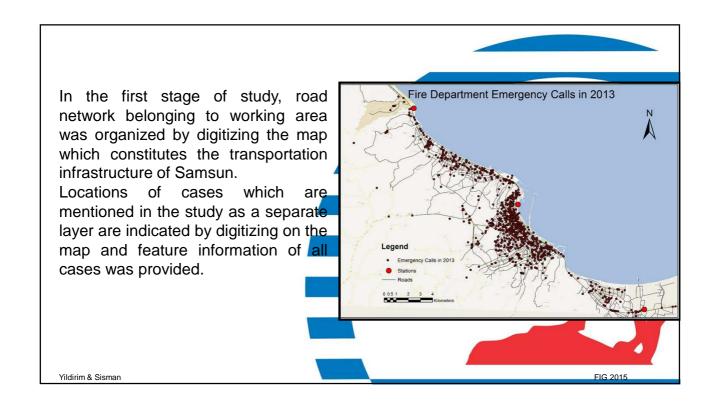


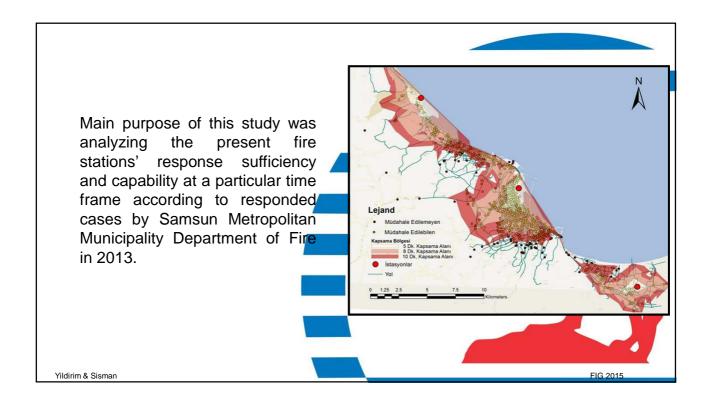


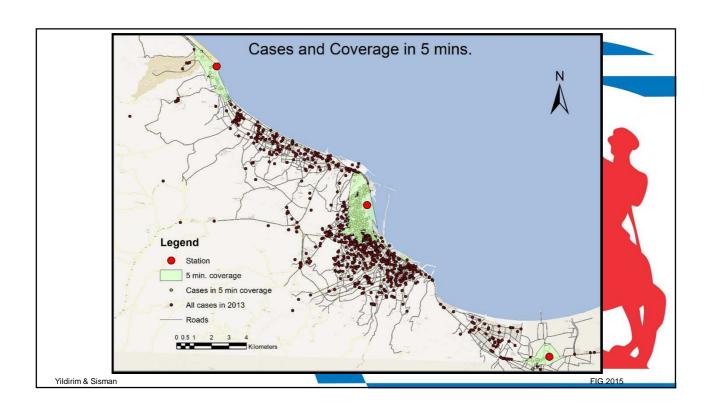


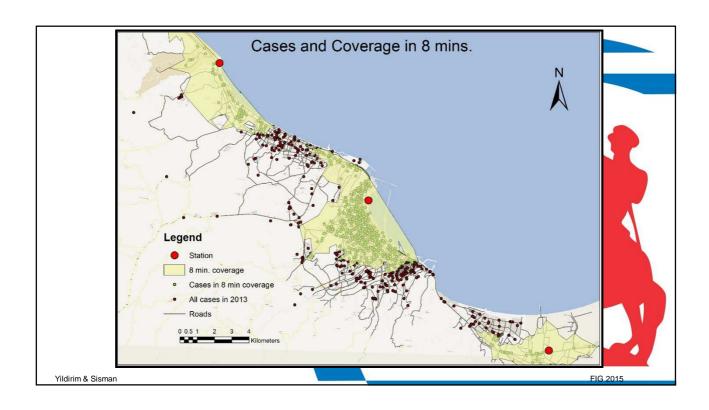


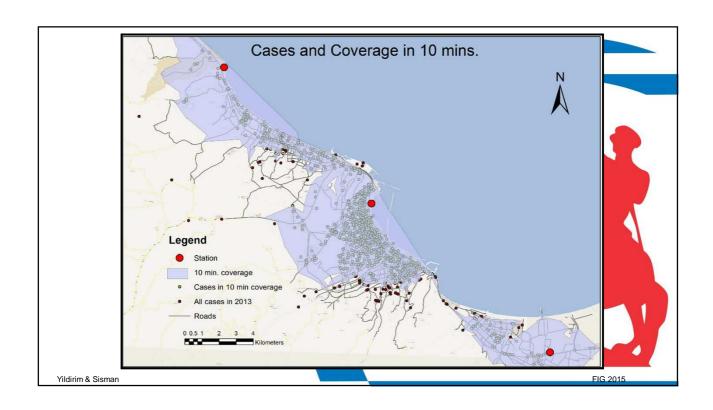












## Results

As a result of examining the locations of fire station units and fire cases in 2013, it is seen that fires are become dense in İlkadım and Atakum districts and response of Department of Fire Brigade to the fires occurring in İlkadım district is sufficient due to the location of department.

Yildirim & Sisman

An increase in number of fires should be expected in Atakum district because of growing population and settlement. For this reason, with the 5 minutes' analysis of Kurupelit platoon, Atakum district's being distant from fires in center is observed. As a consequence of this, need of movement of Kurupelit Platoon's location to the Atakum site or need of additional platoon to the Atakum district is observed.

Yildirim & Sisman

