

AWARE

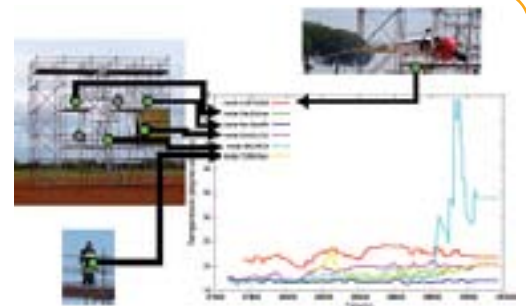
Platform for Autonomous Self-deploying and Operation of Wireless sensor-actuator Networks cooperating with Aerial objects

- Middleware and functionalities for the cooperation of aerial flying objects with a ground sensor-actuator wireless network



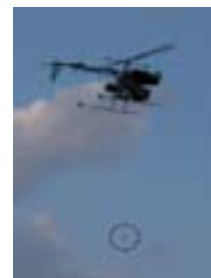
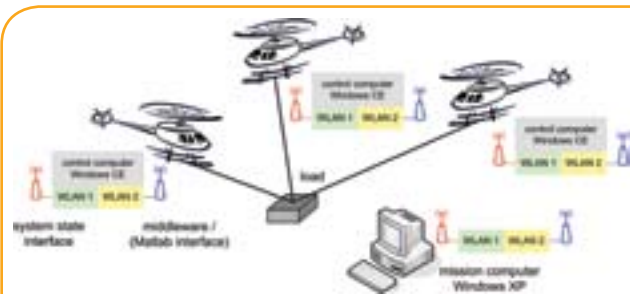
Disaster Management Validation Scenario

- Static and mobile nodes carried by persons and vehicles.
- Operation in sites with difficult access and without communication infrastructure



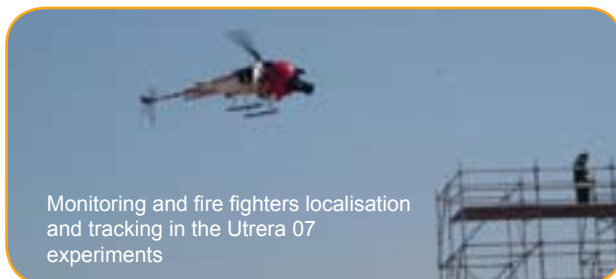
Middleware and WSN Experiments in Utrera 07

- Wireless Sensor Network: dynamic self-configuration/repairing
- Self-deployment of the network with autonomous helicopters



Deployment of sensor nodes (Utrera 07 experiments)

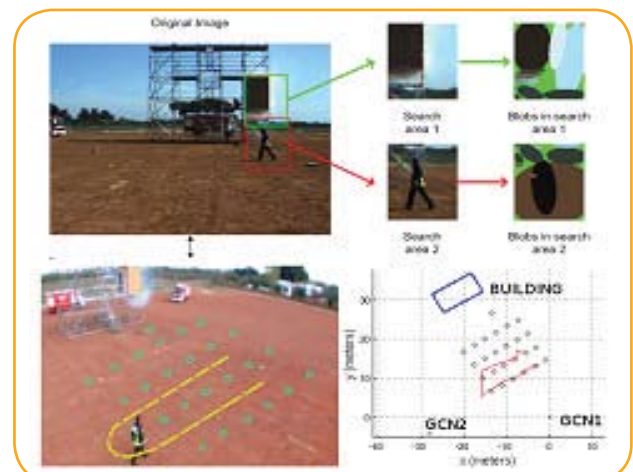
- Functionalities for operation: surveillance, localisation and tracking



Monitoring and fire fighters localisation and tracking in the Utrera 07 experiments

AWARE partners:

AICIA (Spain) (coordinator), Technische Universität Berlin (Germany), Flying-Cam (Belgium), University of Twente (Netherlands), Universität Stuttgart (Germany), SELEX sensors and airborne systems (UK), ITURRI (Spain), Universität Bonn (Germany)



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