The design and use of forest Decision Support Systems in Greece
- a summary introduction -
Forest management planning problems prevalent in Greece

1. Greek forest management planning, within the frame of DSS up to date have been concerned only with the forest fires.

2. Decision makers, express a strong interest to have tools to help them in assessing the risk of fire, the changes of the financial and environmental values.

3. Forest fires damage irreversibly regions of significant natural beauty affect the population significantly.

4. There is strong interest for developing support tools for fire risk estimation, prevention, monitoring, transportation, policy intervention alternatives.
Data and information available about management planning in Greece

Fire simulation models
Socio-economic risk models
Simulation (with and without stochasticity)
Multiple criteria/ranking

Knowledge management is modelled by fuzzy sets and its representative membership functions which were defined by the experts using trial and error approach

(i.e. list information on forest DSSs, models and methods used in forest DSSs, KM, and participation in … (publications technical and scientific, web pages...))
Data and information available about management planning in Greece

(WRR-DSS, Wild fire risk reduction)

(FOMFIS, Decision support system for managing forest fire casualties)

(FFIREDESSYS, Structural forest fire risk estimation on global scale)

(DSS WFCM, Wildland fire crisis management)

Measurements on fire speed rate carried out in actual conditions and in Labs.

Forest fire database historical data (i.e. time of ignition, burnt area, type vegetation) & meteorological data (air temp, wind force etc).

There are 3 Decision support systems introduced by the authors in wiki up to date:

- **DSS for managing forest fire casualties** (Bonazountas et. al, 2007)
- **FFIREDESSYS** (Iliadis, 2005)
- **WRR-DSS** (Kaloudis et. al, 2008)

Additional material of other DSSs will be introduced to wiki in cooperation with DSS authors.
## 4. Preliminary Results

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