



Cyberpark 2000: Protected Areas Management Pilot Project. Satellite time series vegetation monitoring

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Cyberpark 2000 is a project funded by the UE Regional Operating Program of the Apulia Region (2000-2006). The main objective of the Cyberpark 2000 project is to develop a new assessment model for the management and monitoring of protected areas in Foggia Province (Apulia Region) based on Information and Communication Technologies.

The results herein described are placed inside the research activities finalized to develop an environmental monitoring system knowledge based on the use of satellite time series.

This study include:

- A- satellite time series of high spatial resolution data for supporting the analysis of fire static risk factors through land use mapping and spectral/quantitative characterization of vegetation fuels;
- B- satellite time series of MODIS for supporting fire dynamic risk evaluation of study area - Integrated fire detection by using thermal imaging cameras placed on panoramic view-points;
- C – integrated high spatial and high temporal satellite time series for supporting studies in change detection factors or anomalies in vegetation covers;
- D - satellite time-series for monitoring: (i) post fire vegetation recovery and (ii) spatio/temporal vegetation dynamics in unburned and burned vegetation covers.