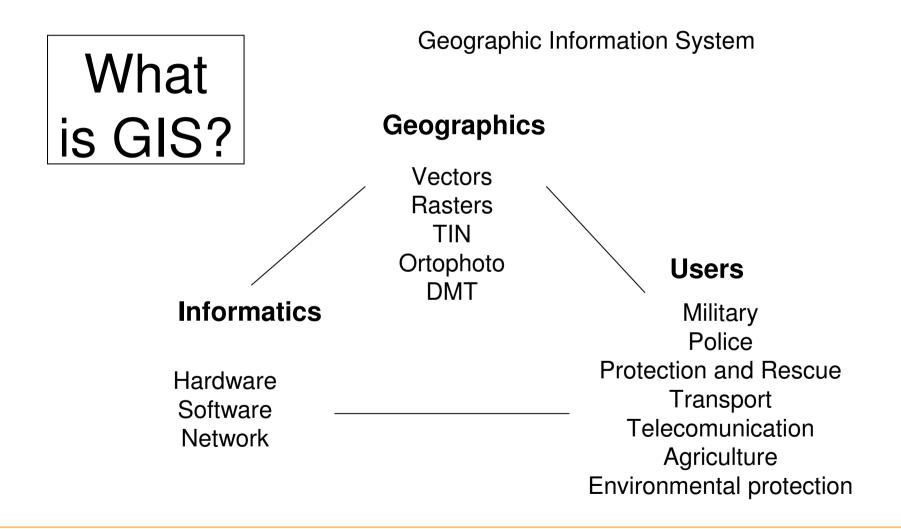


Geographic Information System (GIS) in Protection and Rescue

Mladen CVRLJE

National Protection and Rescue Directorate







GIS functions

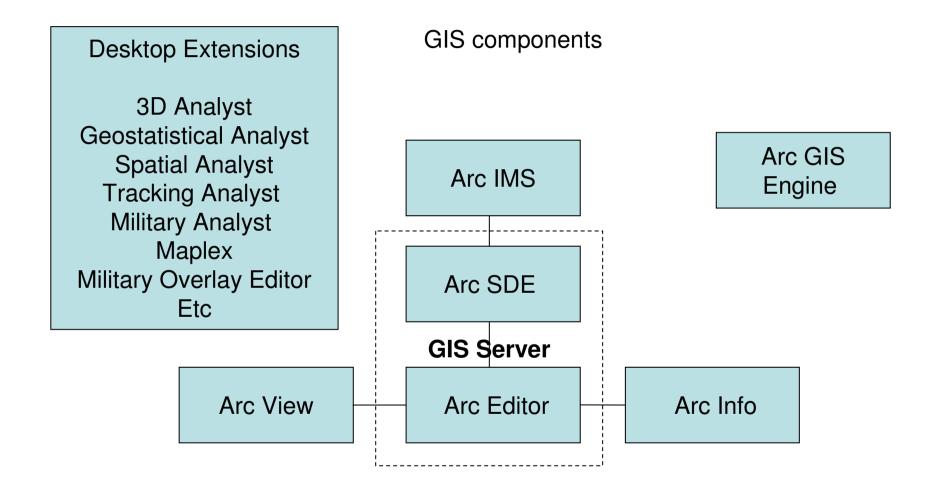
Capture Store Query Analyze Display Output

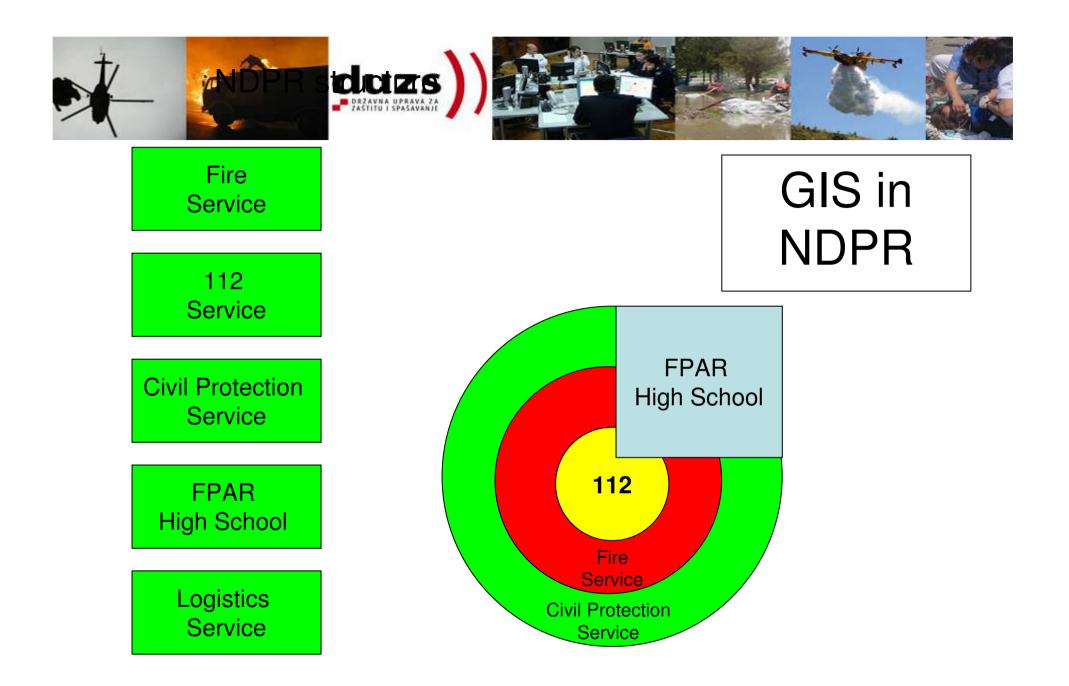
Most people are still using GIS to make maps

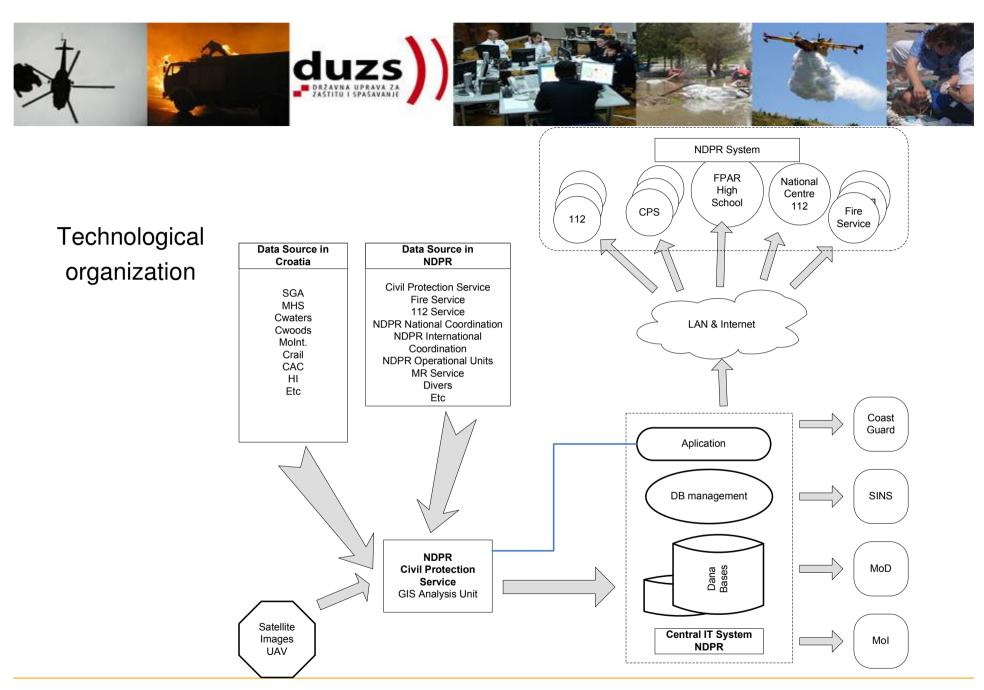
GIS can do much more

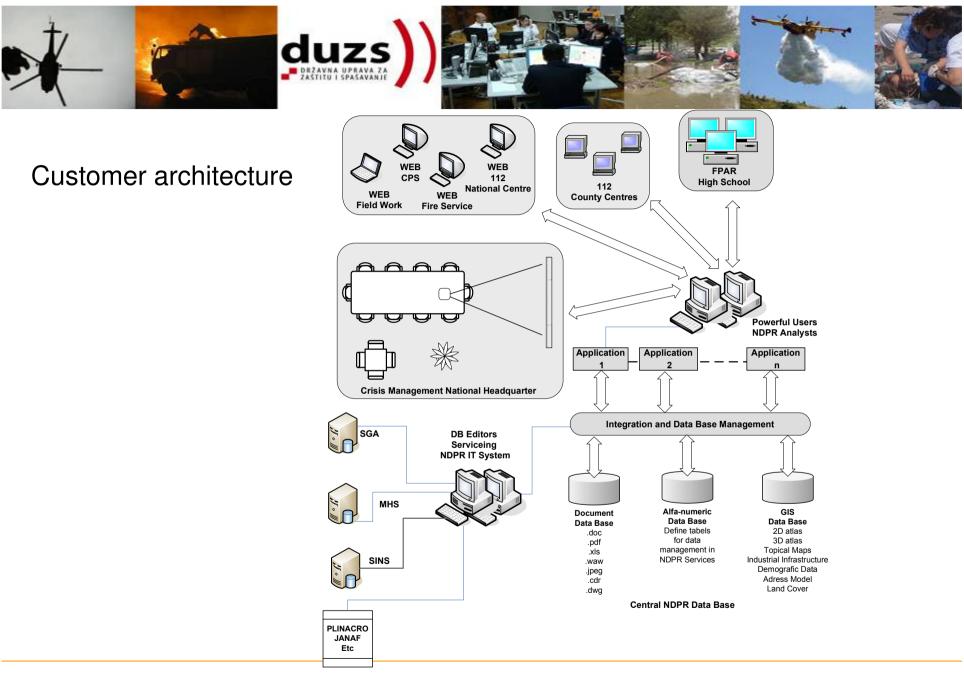
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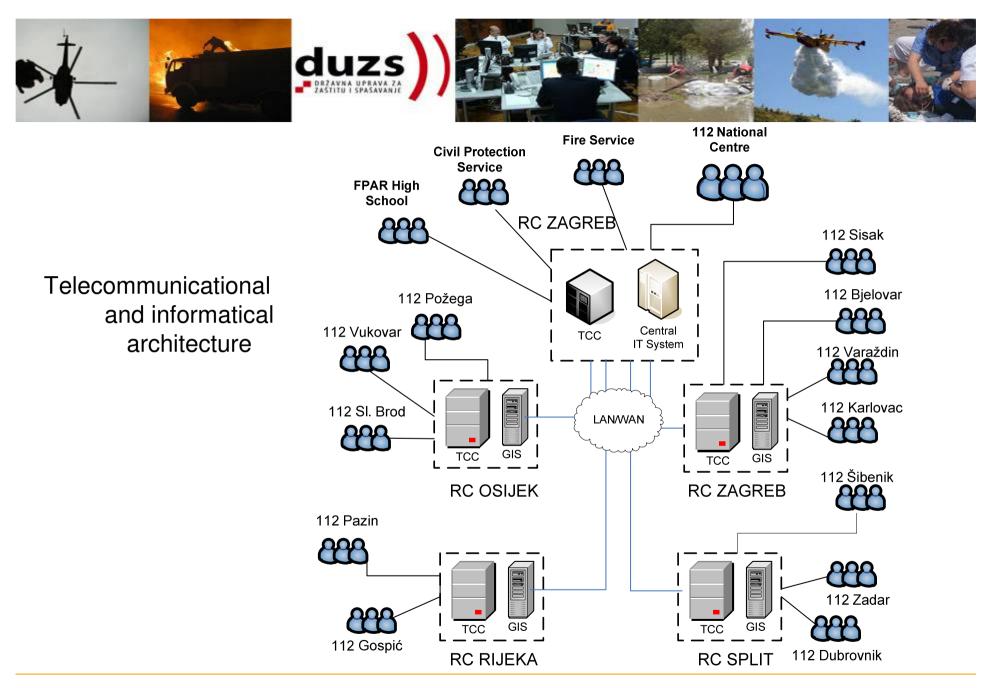


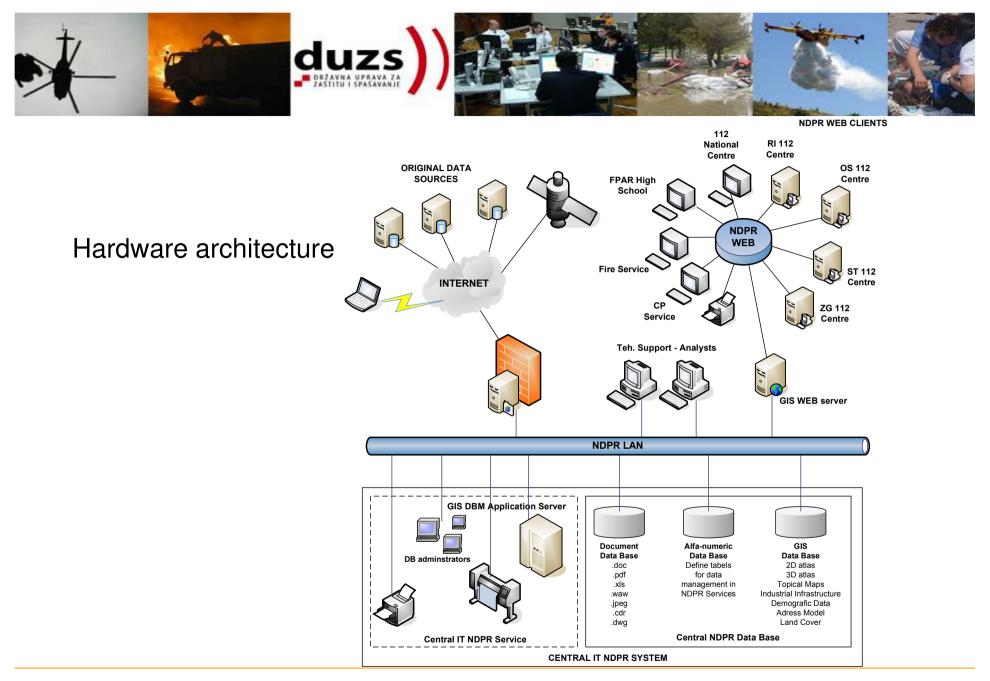


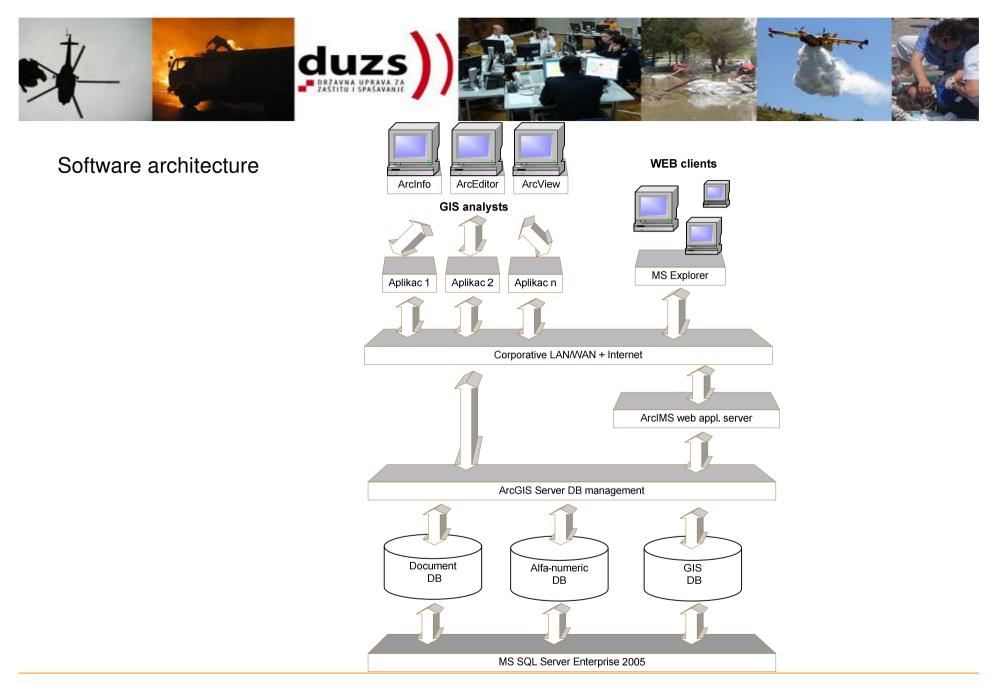








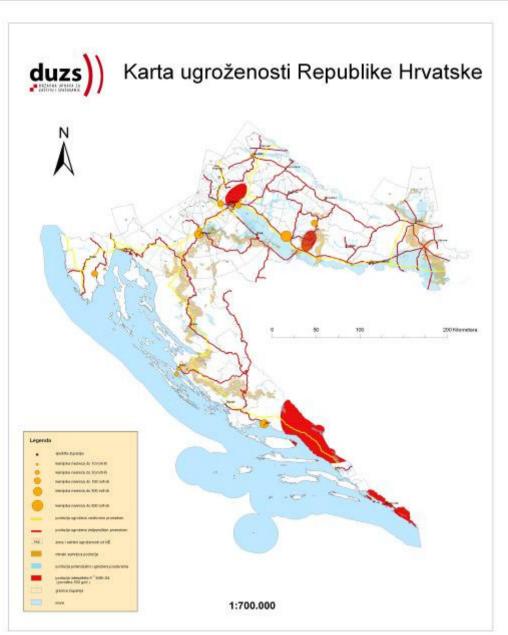


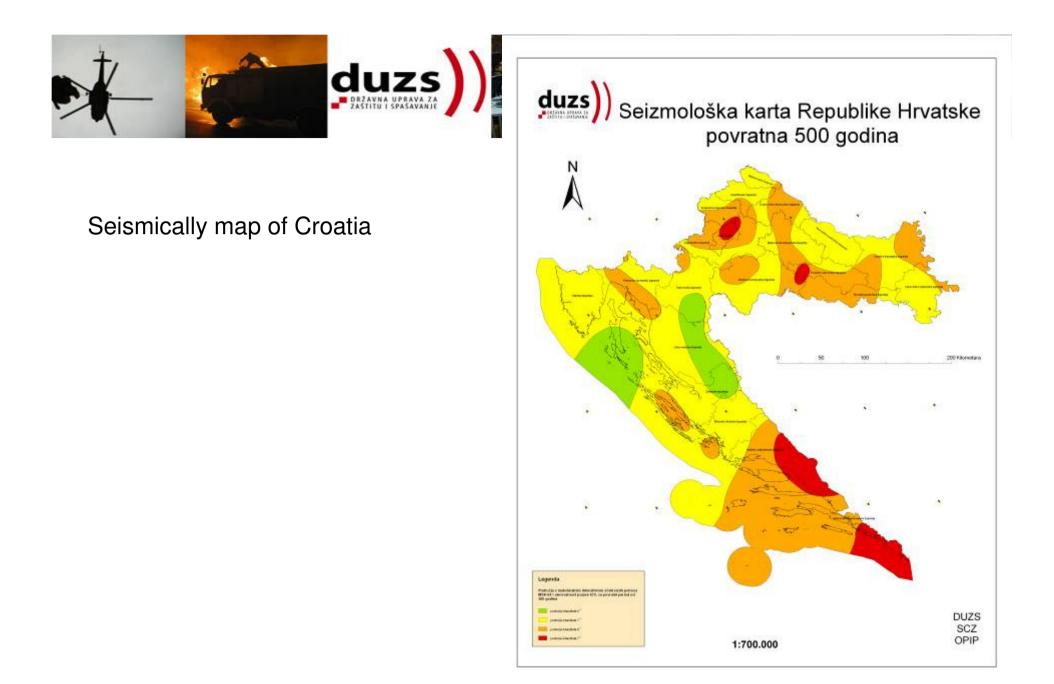


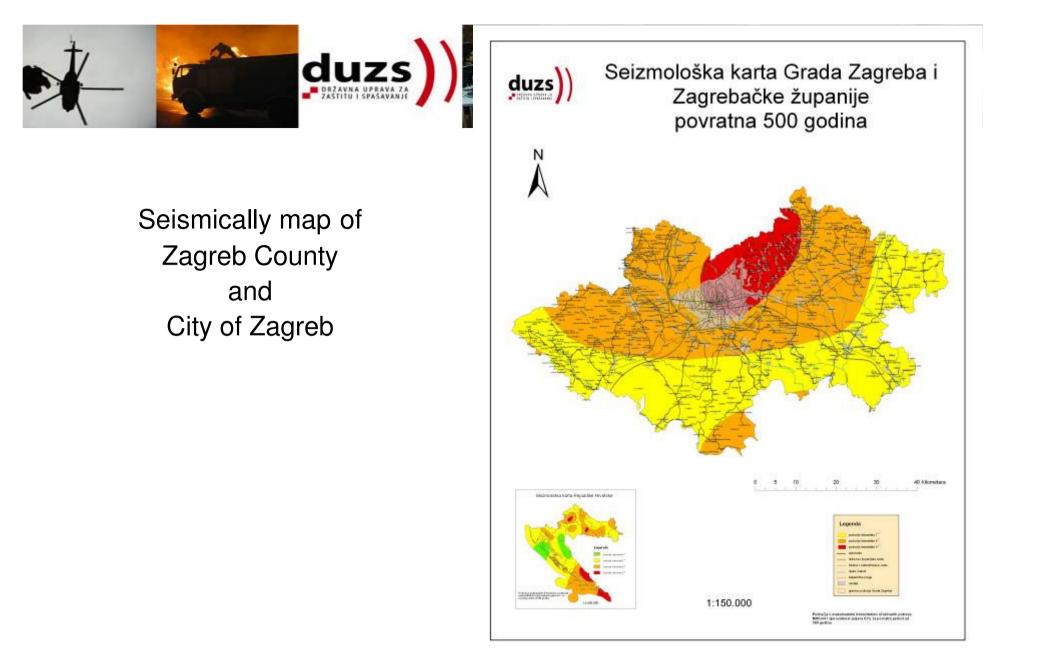


Using GIS in NDPR

Risk map of Croatia











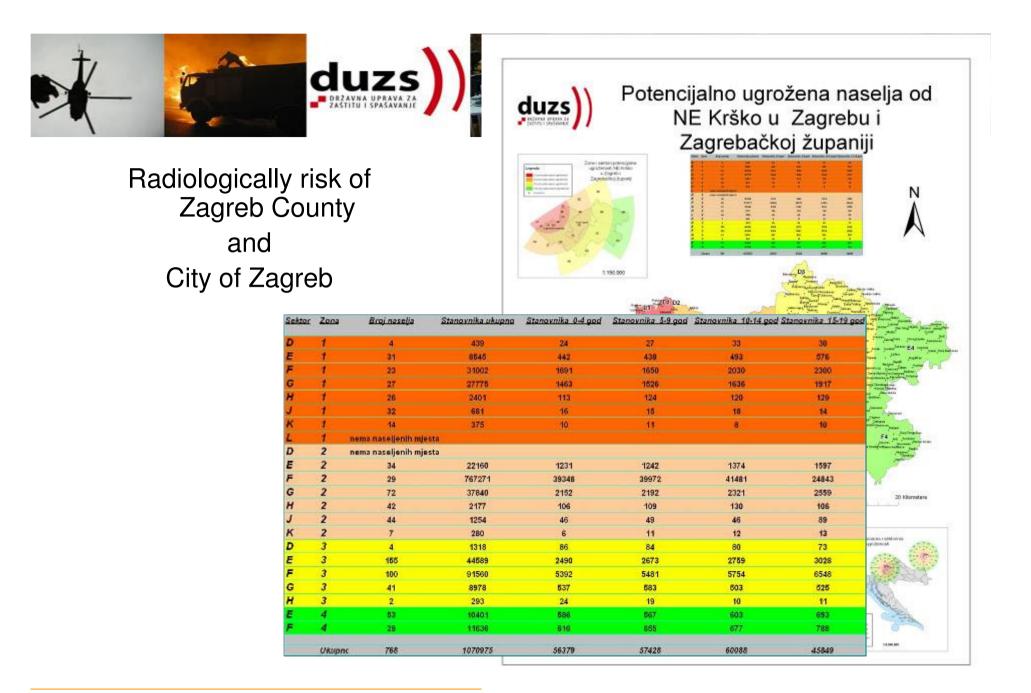


Radiološke mjerne postaje sa zonama potencijalne ugroženosti

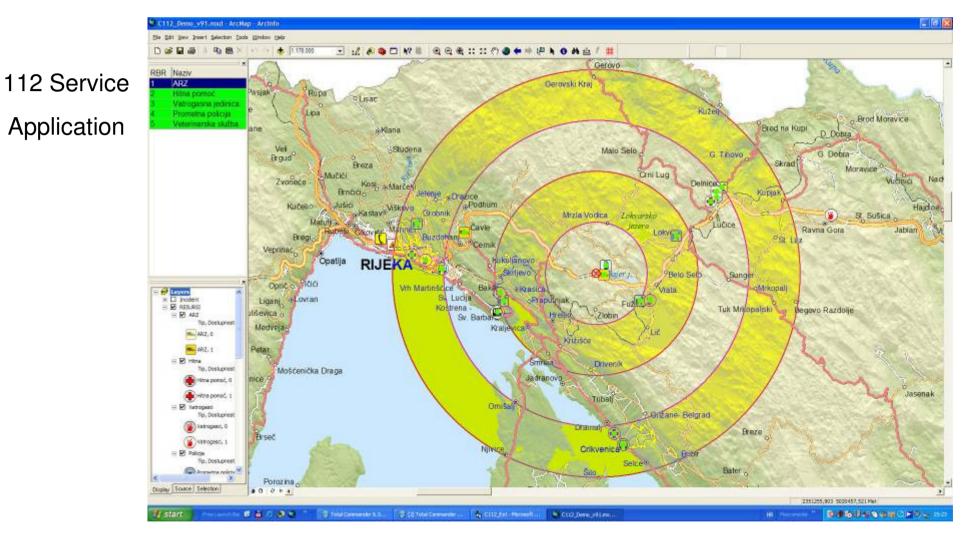
N Površina km² Broj postaja Mađarska 93030 135 93 20273 Slovenija Hrvatska 56542 12 1:1.000.000

Da bi se postigla pokrivenost mjernim postajama kakvu ima Mađarska, u Hrvatskoj bi trebalo izgraditi još 70 postaja. Za postizanje pokrivenosti kakvu ima Slovenija, u Hrvatskoj bi trebalo izgraditi još 247 postaja.

Radiological measurements stations





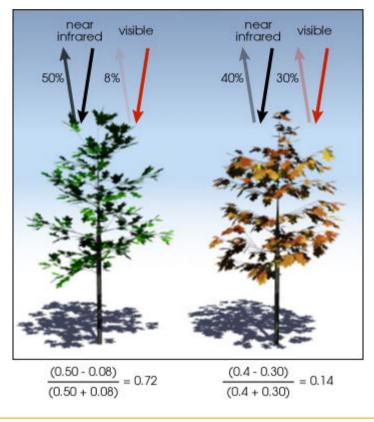








Using satellite images and land cover for forest fire risk assessment



National Protection and Rescue Directorate

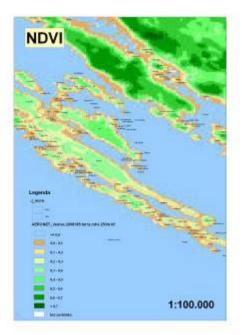
Rapid Response System ne detektira nikakve toplinske anomalije.

Normalized Difference Vegetation Index (NDVI) na južnom dijelu otoka ima vrijednost ispod 0,3. Tako niska vrijednost upućuje na suhi biljni pokrov ili na izostanak vegetacije.

Prema CLC 2000 na južnom dijelu otoka prevladavaju razredi 333 - područja s oskudnom vegetacijom i 321- prirodni travnjaci.

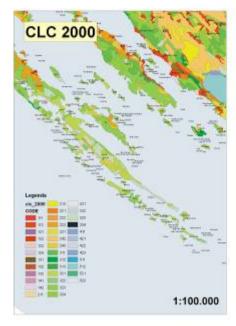
Zaključak:

Oskudna vegetacije je uzrok niskog NDVI-a. Kako na ostatku otoka NDVI ima vrijednosta veću od 0,3 ne postoji opasnost od požara.



Kornat 3. srpnja 2008.











11. rujna 2008.

Terra Orbit Track 11:45 CEST

- požari na području Punitovca, Antunovca, Strizivojne,

Trpinje, Starih Jankovaca i Lovasa

- u BIH požari (1 km), u CG požari (7 km)
- u SR požari (0,1 km), u MĐ požar (23 km)

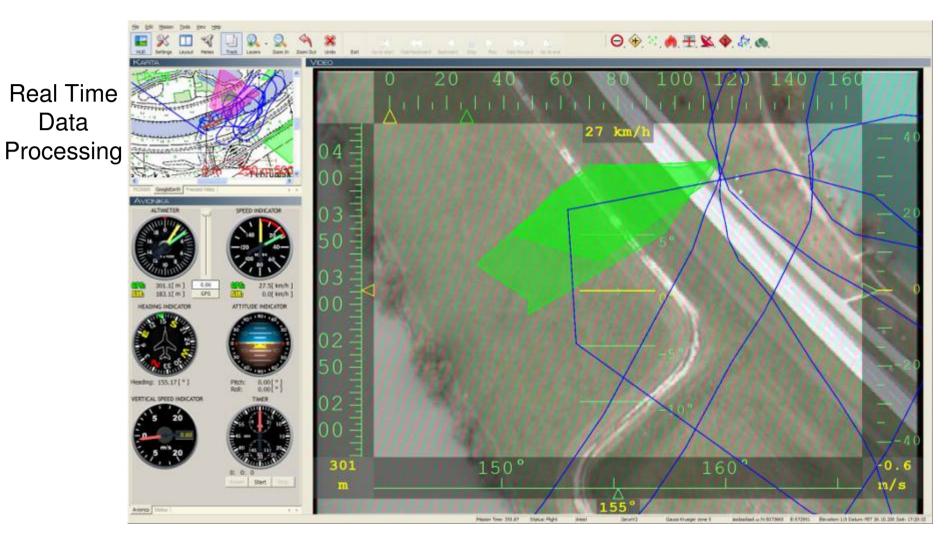
Forest fires overborders early warning

National Protection and Rescue Directorate

Legenda Samp of a of 0 kill of Samp of a of 0 kill of Samples games (Construction Construction Construction

1:650.000







Forest fires spreading prediction module





National Protection and Rescue Directorate

www.duzs.hr

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400 500 600 Giavna oesta Sooredna cesta Izbijanje vatre 00.05 "Rupe" u 9.00



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THANK YOU FOR YOUR ATTENTION

National Protection and Rescue Directorate