

Kyoto & Carbon Initiative

Desert & Water Theme: *Desertification & Water Prospecting*

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Two Groups

- **Water prospecting in Africa and Arabia**

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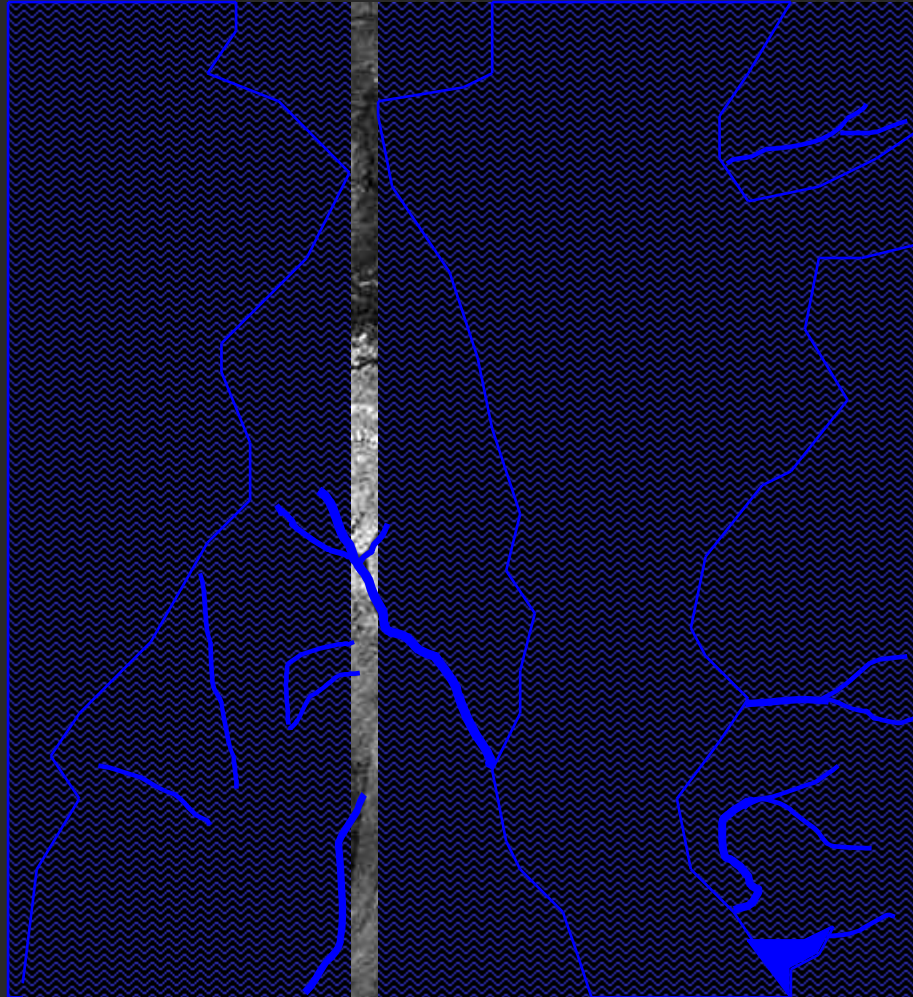
- **Desertification in Africa**

F. Holecz, P. Pasquali (SARMAP - Switzerland)

1) Water Prospecting: 3 products

- **Subsurface geology: *HH and HV mosaics***
- **Volume scattering: *HV/HH mosaic***
- **2 year subsurface changes: *(HH1-HH2)/HH1 and (HV1-HV2)/HV1 mosaics***

Subsurface geology product: Example



Prototype areas, schedule and data

Prototype areas: *Sahara, Arabia*

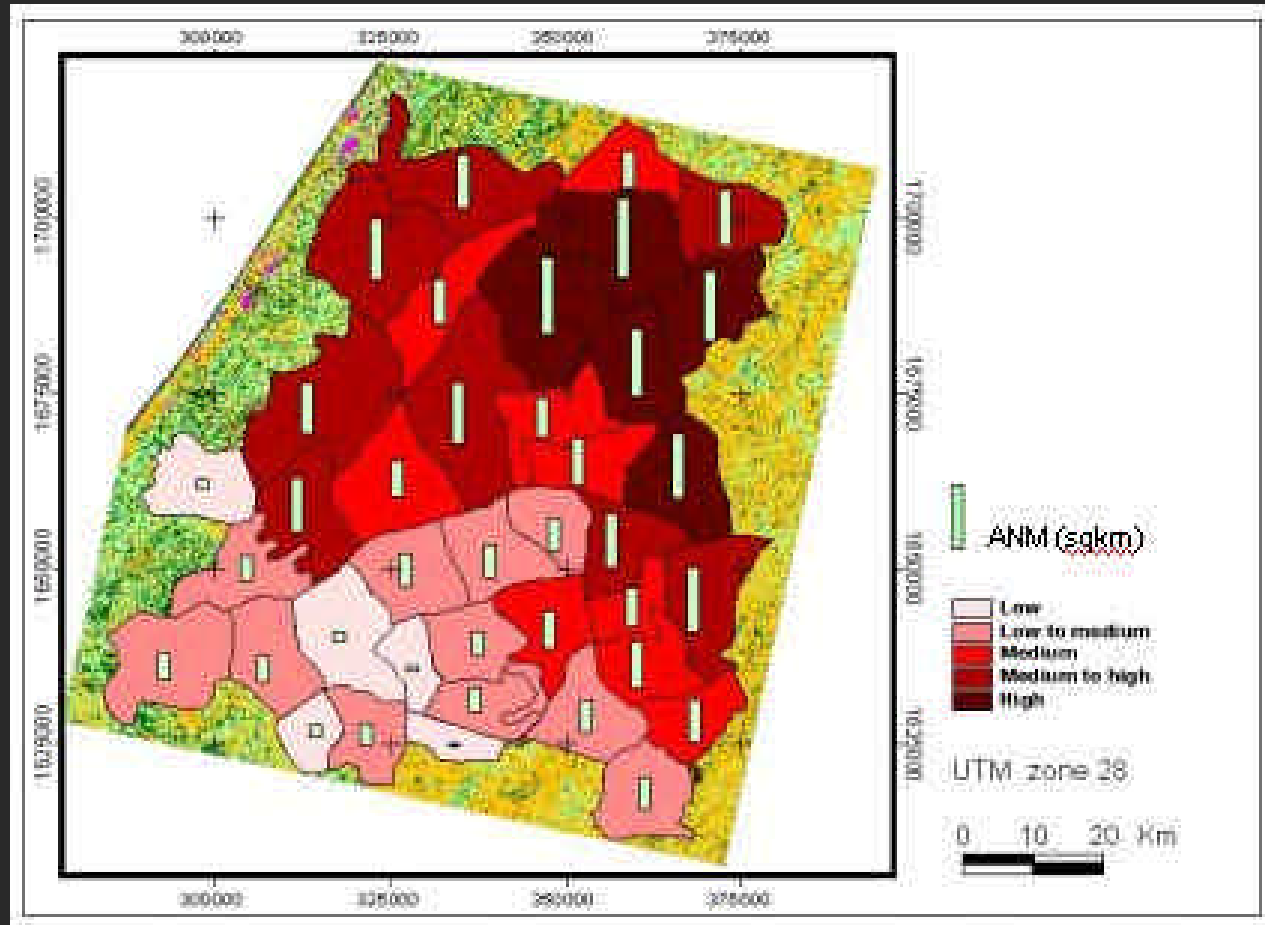
Schedule: *6->8/2005, 12/2005->2/2006, 6->8/2007*

Data: *HH+HV@34.3, HH+HV@43.4*

2) Desertification: 3 products

- Vulnerability map
- Land cover map
- Cover change map

Vulnerability map product: Example



Prototype areas, schedule and data

Prototype areas: *Malawi, Senegal, Zimbabwe*

Schedule: *6/2005->2/2007, 6/2007->5/2008*

Data: *HH@34.3, HH+HV@34.3, HH+HV@43.4*