



Environmental Monitoring Information Day – Earth Observation
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Name : Bernard TYCHON

Organisation :
FONDATION UNIVERSITAIRE LUXEMBOURGEOISE

Type of organization : UNIVERSITY

Field of activity :

Modelling Soil-Plant-Atmosphere relationship at the large scale,
Agrometeorology, Diffuse pollution.

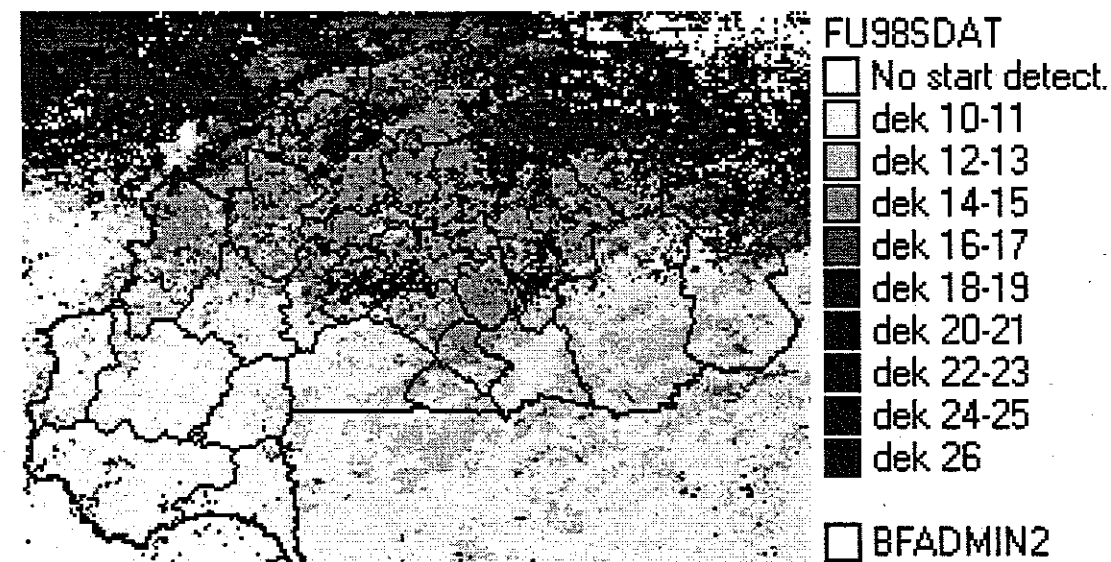
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Keywords : Agrometeorology, VEGETATION instrument, Sahel,
Food Early Warning System.

Specific field of interest :

Global monitoring of vegetation has, up to now, mainly used meteorological satellite information. A present research try to verify that VEGETATION instrument launched with SPOT4 and specifically conceived for vegetation monitoring actually provides information of better quality than those from NOAA satellite. This study focus on the Sahelian region and within the scope of Food Early Warning System.



Estimated start of vegetation in dekade using VEGETATION data in Burkina Faso
(campaign 1998)

Experience in that field :

FUL has a long experience in agrometeorology which is a major discipline in early warning systems. Especially the soil-plant-atmosphere relationship modelling to simulate vegetation behaviour is a main subject of research. FUL has developed an efficient contact network in the Sahelian Meteorological Services thanks to the numerous students formed in our agrometeorological training programme that work now in these Services.

Request for collaboration :

- seeking for people working in the same field of interest (food early warning system) to develop synergy and build a european research project for developing countries.
- Seeking for institutions, companies that would be interested by this new approach that effectively integrate remote data into agromet models.