PRINS ENGINEERING

Groundbreaking GIS Remote Sensing

Forest Mapping World wide

- Natural Forest types
- Kyoto / REDD+
- Biomass
- Old Forest / Biodiversity
- Habitat modeling
- World Heritage Sites

Selected Projects on the WEB

Denmark LULC/LULUCF;
Denmark Old Forest;
Belarus World Heritage Site;
Malaysia Botanical Mapping;
Tanzania Coastal Forest;
Sudan Botanical Mapping;
Poland Old Forest;
Malawi Botanical mapping;
Mozambique Botanical maps;
Ecuador Botanical Mapping;

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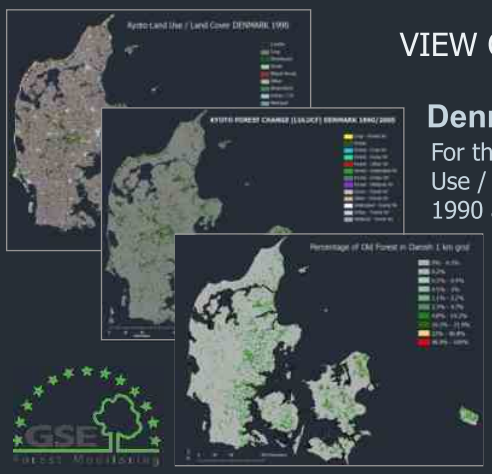
FOREST MAPPING AND MONITORING

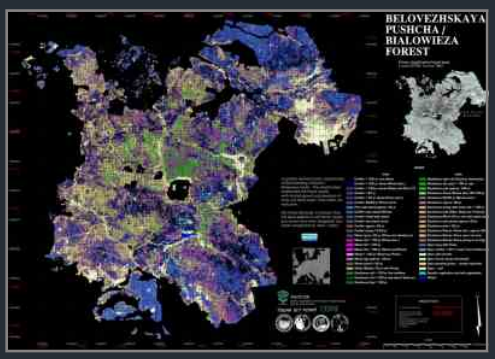
We have more than 25 years experience in the use of EO data for mapping of forest and woodland. When it comes mapping of forest we have several times delivered extraordinary results which puts us in our own class. We have made groundbreaking mapping of World Heritage Sites and outstanding natural forest areas in several eco-zones. We are specialised in forest type mapping, biodiversity, biomass and change which as such have resulted in an ideal forest monitoring suite for conservation, CDM or REDD+. We are partner in the ESA based GMES Forest Monitoring consortia have by other things made the national Kyoto mapping in Denmark with highest ISO standards.



VIEW OUR SERVICES ON THE WEB!

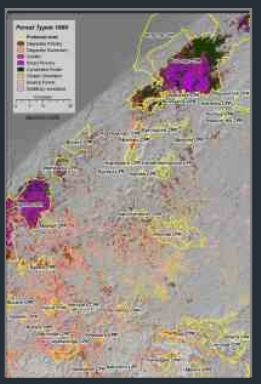
Denmark

For the Danish Kyoto reporting we produced Land Use / Land Cover (LULC) for Denmark representing 1990 and 2005 and derived Land Use, Land Use Change for Forest (LULUCF).
As a complete forest suite we made a national mapping of forest into six age classes and derived old forest which is of key importance for assessment of high biodiversity.
The service was a part of the ESA/EU GMES Service Element for Forest Monitoring.



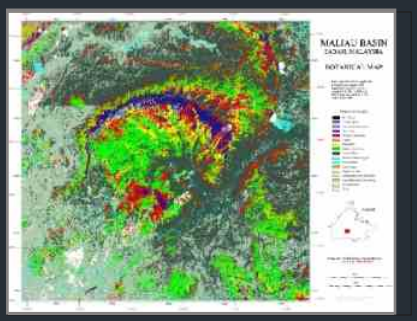
POLAND / BELARUS

The UNESCO site Bialowieza forest is known to be the last remaining natural lowland forest in Europe.
We made a forest classification of more than 30 forest classes, that revealed the presents of old forest types. We made a biodiversity analysis that now is used for management of the forest.



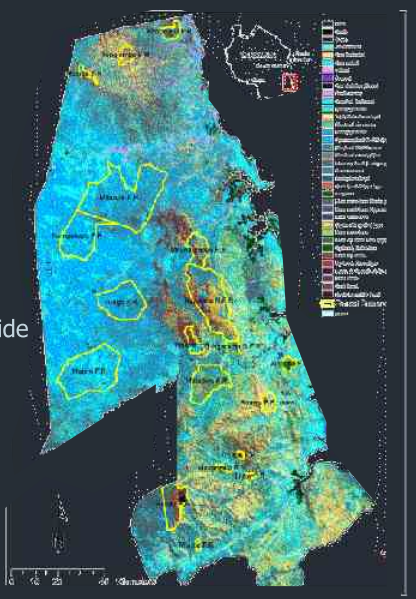
UGANDA / IGAD

Based upon our effective technology we developed a methodology for mapping of protected areas and forest habitat areas in the IGAD region. We made a proto-type covering forest of the Albertine rift which divided the area into a number of botanical and degraded forest classes using LCCS lables.



BORNEO

Maliau basin is under consideration for UNESCO
We made a complete forest mapping containing ten botanical forest classes covering lowland to upper mountain forest classes. The method and result is groundbreaking and has implication for mapping of the whole SE Asia.



TANZANIA

The Coastal Forests of East Africa have the highest biodiversity conservation priority in Africa, however, little is known about their distribution.
We have conducted an integrated survey of Kilwa and Lindi district in Tanzania.
We uncovered the distribution of coastal forest and found large areas of undescribed forest located outside protected forest areas. By using botanical calibrated Landsat data we were able to map coastal forest types in detail and found new tree species and rediscovered species considered to be extinct.
Our methods have implication for locating, quantify and assessment of the remaining coastal forest of Eastern Africa - in the most cost effective way. The findings triggered a larger UNDP GEF project to protect these forest areas.