



GEOG3120 Remote sensing of ecological changes

[30h+30h exercises] 5 credits

This course is taught in the 2nd semester

Teacher(s): Eric Lambin
Language: French
Level: Third cycle

Main themes

Rapid ecological changes in developing countries are a serious problem for the development of these regions. Remote sensing and geographic information systems (GIS) allow to measure and analyse the necessary data for understanding the nature of these changes and design appropriate solutions. This course presents advanced methods in remote sensing and spatial modelling to detect, understand and model interactions between societies and their environment in tropical ecosystems. The course covers topics such as: remote sensing of land degradation, land cover mapping, seasonal and interannual dynamics of ecosystems, biomass burning monitoring, spatial models of land-use change ...

Programmes in which this activity is taught

CART3DS Diplôme d'études spécialisées en cartographie et télédétection
ENVI3DS Diplôme d'études spécialisées en science et gestion de l'environnement
SC3DA Diplôme d'études approfondies en sciences

Other credits in programs

ENVI3DS/3	Diplôme d'études spécialisées en science et gestion de l'environnement (Gestion de l'espace et environnement)	(5 credits)	Mandatory
ENVI3DS/6	Diplôme d'études spécialisées en science et gestion de l'environnement (Science et environnement)	(5 credits)	Mandatory
GEOG22	Deuxième licence en sciences géographiques	(5 credits)	Mandatory
SC3DA/G	Diplôme d'études approfondies en sciences (Géographie)	(5 credits)	