



## 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 ...

### Other credits in programs

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