

3.0 credits	22.5 h	2q
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Teacher(s) :	Malingreau Jean-Paul ; Defourny Pierre (coordinator) ; Gaspart Frédéric ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	iCampus
Prerequisites :	BIRE Master program.
Main themes :	1st part : Multidisciplinary environmental diagnosis. Definition and properties of environmental indices. Strengths and weaknesses of environmental index boards. Practical know-how on environmental indices. 2nd part : Global change. Analysis of political and scientific dimensions. The Millennium Ecosystem Assessment.
Aims :	a. Contribution of the activity to the Learning Outcome referential 2.1-2.5 environmental indices and index boards 3.2-3.4, 3.6-3.8 connecting real situations with rigorous and relevant indices. 4.1-4.2 identifying typical situations where each index is appropriate. 4.4-4.7 index boards related to a complex, real situation 6.1-6.2 & mp; 6.4-6.7 student talks, written reports 7.1 & mp; 7.5 political dimensions, bargaining b. Specific Formulation for this activity At the end of the course, students will be able : - to approach environmental problems in multi-scale and multidisciplinary dimensions. - to design, analyze and negotiate an environmental diagnosis of systems comprising social, economic and political aspects. - to grasp fully the notions of index and index board, and the choice- and sense-making of the actual environmental descriptions, for the present and for the future, at local, regional and global scales. <i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i>
Evaluation methods :	Written reports and student talks.
Teaching methods :	Teachers talks, coordinated group works, student talk, written reports.
Content :	Conceptual and methodological aspects of multidisciplinary environmental diagnosis, definitions and properties of environmental indices. Strengths and weaknesses of environmental index boards, through operational examples. Individual and critical analysis of examples. Interdisciplinary role-playing on the design of environmental indices and the bargaining dynamics around them. Analysis of global change, ecosystem services at the global scale. Individual report on a specific theme.
Cycle and year of study :	> Master [120] in Forests and Natural Areas Engineering > Master [120] in Environmental Bioengineering
Faculty or entity in charge:	AGRO