UCLouvain

# lbire2204

*2019*

# Territorial diagnostic and decision aid

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

| 3 credits | 22.5 h | Q2 |
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| Teacher(s) | Defourny Pierre ; |
| Language : | French |
| Place of the course | Louvain-la-Neuve |
| Prerequisites | BIRE Master program.<br>*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.* |
| Main themes | 1st part :<br>Multidisciplinary environmental diagnosis. Definition and properties of environmental indices. Strengths and weaknesses of environmental index boards. Practical know-how on environmental indices.<br>2nd part :<br>Global change. Analysis of political and scientific dimensions. The Millennium Ecosystem Assessment. |
| Aims | 1<br>a. Contribution of the activity to the Learning Outcome referential<br>2.1-2.5 environmental indices and index boards<br>3.2-3.4, 3.6-3.8 connecting real situations with rigorous and relevant indices.<br>4.1-4.2 identifying typical situations where each index is appropriate.<br>4.4-4.7 index boards related to a complex, real situation<br>6.1-6.2 & 6.4-6.7 student talks, written reports<br>7.1 & 7.5 political dimensions, bargaining<br>b. Specific Formulation for this activity<br>At the end of the course, students will be able :<br>- to approach environmental problems in multi-scale and multidisciplinary dimensions.<br>- to design, analyze and negotiate an environmental diagnosis of systems comprising social, economic and political aspects.<br>- 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.<br>- - - -<br>*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".* |
| Evaluation methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>Written reports and student talks. |
| Teaching methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>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. |
| Inline resources | Moodle |
| Other infos | This course can be given in English. |

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| Faculty or entity in charge | AGRO |

## Programmes containing this learning unit (UE)

| Program title | Acronym | Credits | Prerequisite | Aims |
|---|---|---|---|---|
| Master [120] in Agricultural Bioengineering | BIRA2M | 3 | | |
| Master [120] in Environmental Bioengineering | BIRE2M | 3 | | |
| Master [120] in Agriculture and Bio-industries | SAIV2M | 3 | | |
| Master [120] in Forests and Natural Areas Engineering | BIRF2M | 3 | LBIRE2102 | |
| Advanced Master in Environmental Sciences and Management in Developing Countries | SGED2MC | 2 | | |