



## Environmental and Resource Economics II - Valuation and Instruments -

Konrad Hagedorn

### Organisation of Group Work on Papers and Presentations

#### Objectives

The objective is to provide the participants of the course with basic knowledge and an overview of the main instruments and institutions of resource management in environmental policies. To this end, groups of students will write and present papers on these issue areas. In the following,

- issue areas that exist in this field are defined and listed,
- main dimension of the issue areas are outlined to facilitate structuring the papers,
- arrangements for organising group work are outlined

Participants are allowed to build on existing papers and literature from former semesters, but are expected to complement and improve the work that is available by their own efforts.

#### Issue Areas Defined for the Group Work

Please note that the environmental and resource problems have to be analysed from an economic, political and institutional point of view, not as a subject of natural sciences. The definition of issue areas is based on the view that the interaction between social and natural systems is at the core of resource management and environmental policies. Instruments and institutions in this domain aim at regulating such processes of interaction in order to achieve sustainability. Accordingly, the physical and the social dimension are considered two complementary perspectives to be used for classifying the issue areas as follows:

#### 1 The physical perspective

- 1.1 Land management and soil protection including land conversion
- 1.2 Water management and protection of water including irrigation and drainage
- 1.3 Climate policies, mitigation and adaptation strategies, and air pollution
- 1.4 Management and economics of fishery, forestry and wild life
- 1.5 Nature conservation, biodiversity, and genetic resources
- 1.6 Provision of energy and biomass from agriculture, forestry and other resources

#### 2 The social perspective

- 2.1 Natural resources in deep transition processes like institutional change of autocratic or socialist systems: privatisation of land, transformation of water systems, etc.
- 2.2 Natural resources and agricultural policies and institutions: WTO, EU and multi-functionality, cross compliance, agri-environmental programmes
- 2.3 Natural resources and development policies and institutions: impact of resource degradation on livelihoods, implications for development cooperation
- 2.4 Environmental policies for particular farming systems: organic farming, GMO agriculture, precision farming, and co-existence of different systems
- 2.5 Impact and regulation of inputs and facilities of agricultural production on the environment: pesticides, fertilizers, manure, waste and animal production sites
- 2.6 Political and institutional responses to natural disasters such as flooding, drought, famine and pests

Please note that these issue areas usually aggregate a variety of different single issues. For example, water management refers to both irrigation and drainage systems, and it deals with the quantity of water as well as with the quality of water, for example as regards water pollution.

### Dimensions within the Issue Areas

Analysing these issue areas requires taking into account the internal dimensions of these subjects, because this is relevant for how to structure the papers and presentations. These dimensions can be indicated according to two aspects as shown in the matrix below. The first refers to the approaches and methodology used to analyse the issues, the second is derived from the geographical location and spatial or governance level. Combining these two criteria of classification leads to numerous subtopics which cannot be discussed in total in the papers and presentations. Therefore, they should first give an overview of the issue area and then concentrate on a few, at least two issues (preferably one from developed and one from developing countries).

### Matrix of Dimensions within Issue Areas

		Geographical location and spatial or governance level				
		European Union Member states	Other developed countries	Developing countries	Transition countries	Local, national internat. levels
Approaches and methodology	Foundations - (Natural sciences - Economic theories)					
	Situation analysis - Modelling - Valuation					
	Instrument analysis - Pollution cost - Mitigation cost					
	Institutional analysis - Sets of rules - Governance					

### Arrangements for Group Work

- (1) The groups will be formed during the meeting of the class on April 16, 2012. Each participant must be present during this class, join a group and to inform the tutor about his or her group choice. As participation in writing and presentation of a paper is a precondition for admission to the written exam, non-members will not be eligible to take part in this exam.
- (2) The group has to meet at least three times during the semester, first for defining the roles of the group members and designing the structure of the paper, second for preparing the presentation and third for completing the final version of the paper. The structure of the paper should be discussed with the tutor and submitted to Professor Hagedorn for approval.
- (3) On the first meeting, the group must decide on the commitments of the group members, i.e. who is responsible for what part of the paper. Only one group member will present the paper, also those parts which have been written by other group members. The tutor has to be informed about the commitments and precise roles of the group members.
- (4) Participation in the group meetings is obligatory for its members. They have to sign a list of participants at each meeting. One group member has to take minutes. Both the lists and the minutes must be handed over to the tutor.
- (5) The papers must consist of at least five pages per group member. The table of contents should indicate which member has written which sections (individually or jointly). The papers and presentations have to be in line with the "Rules for the Preparation of Presentations and

Papers" (see moodle). Please note that only scientifically reliable sources may be used in papers and presentations. This excludes Wikipedia and similar sources.

- (6) The papers and presentation are expected to be the result of the students' own work. As a basic principle, all thoughts and statements that have been taken from other authors have to be indicated as quotations. Please comply with citation rules and refrain from plagiarism; intellectual property rights have to be recognised. All papers will be checked by means of computer software which discovers plagiarism, for example text taken from websites.
- (7) Presentations have to take place in accordance with the time table, power point files should be send to the tutor at least one day in advance. All groups must participate not only in those sessions in which their paper is presented, but also in the other sessions in which the papers of the other groups are presented.
- (8) Deadlines: first group meeting before May 01, second meeting until June 01, third meeting until July 10. Submission of the structure of papers until May 15, submission of completed papers until July 31, both to the tutor (Marie Populus ; email: [populum@cms.hu-berlin.de](mailto:populum@cms.hu-berlin.de))

All groups will have a joint discussion meeting with the tutor on April 23, 2012, 2.30 pm in room 2.27, Philippstr. 13, house 12. Additional individual group meetings with the tutor can be organised upon request.