第6回地球研評価委員会中間評価報告資料 (平成18年3月2日、於:地球研講演室)

Interim Report 5-2 IDEA Project

Interactions between the environmental quality of a watershed and the environmental consciousness:

With reference to environmental changes caused by the human use of land and water resources

reported by

Changes in

5-2 IDEA project leader: Takahito YOSHIOKA

Research axis 5 Conceptual framework for global environmental issues

Theoretical and empirical analysis for building conceptual framework of global environmental issues.

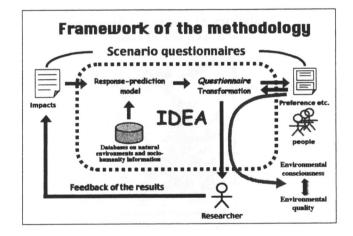
5-2 IDEA project:

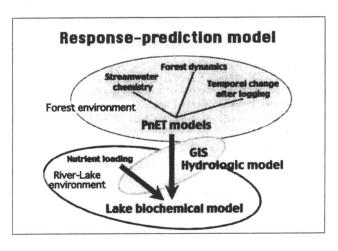
Environmental consciousness

Value judgment of the environment

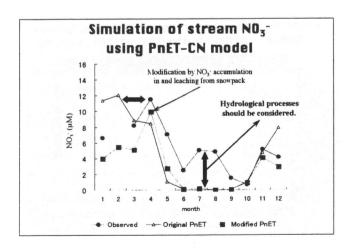
Sense of value for the environment **Environmental valuation**

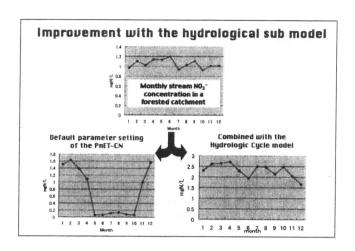
Hypothesis **Environmental consciousness** Environmental quality changes expression Value judgment of the environment influence people's attitudes Attitudes & behaviors to the environment To understand this scheme is a key for

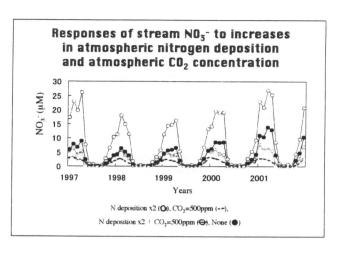


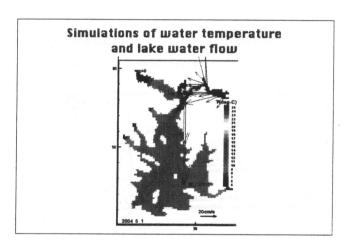


fundamentally solving environmental issues.









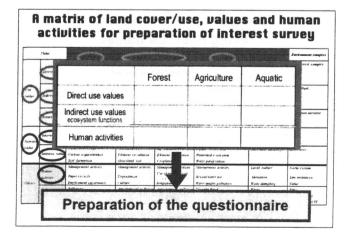
Survey on people's interests in a forest-agricultural-aquatic ecosystem

Objectives:

- 1. To set virtual impacts used in scenario questionnaires
- 2. To obtain information for preparing scenario questionnaires
- 3. To understand the background of people's interests

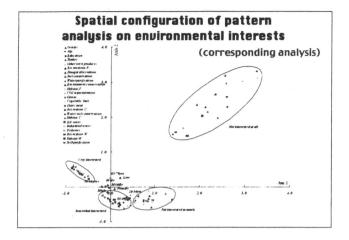
Procedure of the survey

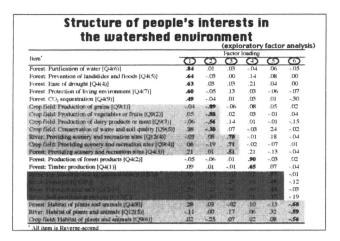
Preparation of the questionnaire was done using a traceable way, in order to assure a versatility and applicability to other environments and stakeholders.

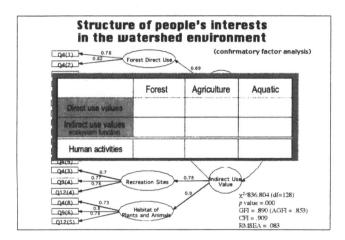


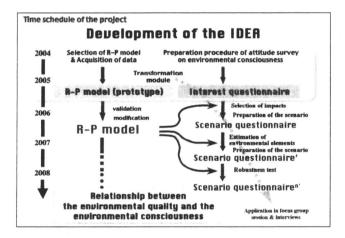
Overview of the interest questionnaire

- · Survey Area: Japan
- Subject: Interests in watershed environments
- Number of questions: 30 (95 items)
- Samples: Japanese nationals between 20 and 79 years old
- Sample size: 1,800
- Sampling: Two-stage stratified sampling
- Frame of sampling: Basic resident register and electoral register
- Mode of survey conduction: Face-to-face interview method
- Survey period: From 2005/10/14 to 2005/11/14
- Number of completed responses: 886 (Response rate: 49.2%)









Future activities

- Using the Response-Prediction model, environmental changes will be estimated base on various impact scenarios. The refinement of the Response-Prediction model and the collection and management of measured dataset of the environment will be continued.
- Results of the interest questionnaire will be analyzed within this fiscal year to create the type and scale of impacts to be used as model input.
 - Scenario questionnaires

