



Web-based course and workshop in
**“Knowledge Exchange for Project
Initiation”**

(using conceptual case-study modeling)

Univ. Gothenburg, Sweden

16 May – 16 June, 2022 and 5 July (workshop)

This is to certify that

Marharyta Radomska

has completed this course involving conceptual modeling of complex systems and, importantly, applied this approach to work with a case study involving environment management issues and decision support. The results were presented orally and as posters at the **SGEM Geoscience conference in July 2022** and on the **UKE PLATFORM website** (<https://kermitcooperation.wixsite.com/platform/joint-projects>).

The course was given as part of the project “Ukrainian Knowledge Exchange PLATFORM”, where Univ. Gothenburg is helping evaluate case studies that have particular relevance for Ukrainian researchers. Participants from 8 institutes have been involved and networking is also an important goal. Conceptual modeling was used as a tool for several important steps in project initiation: 1) Identification and Characterization of the “system” related to a case study, 2) System Structural Analysis of this system, and 3) Multi-Criteria Evaluation as a synthesis modeling tool for scenario predictions and applied interpretations. The theory and case-study discussions and the poster presentations of this course are approximately equivalent to 4 ECTS credits.

The course has been presented in English, where course participants, instructors and international researchers from several universities have given feedback and, hopefully, initiated possibilities for all participants to develop their project ideas through interaction in multidisciplinary and multi-sectoral societal networks related to their case-study work.

Prof. Rodney Stevens, Department of Earth Sciences
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