Quality assessment of dynamic geometry resources

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Abstract

Intergeo project has developed, and implemented on the Intergeo platform (http://i2geo.net), a quality assessment process for dynamic geometry content aiming at continuous improvement of resources available on the platform. The quality process is based on user reviews. It is now being tested at the European level and first results can be drawn in terms of the ways the reviews are performed by users.

Reviews are supported by a questionnaire addressing a whole range of aspects of resources such as mathematical validity of the content, didactical and pedagogical implementation of proposed activities, dynamic geometry added value, ergonomic aspect of the resource. The design of the questionnaire and its rationale will be presented in the contribution "Rationale for the Intergeo quality assessment process" also submitted to the I2GEO 2010 conference.

The purpose of this workshop is to present and discuss the quality process with participants. The first part of the workshop will be devoted to reviewing some of the dynamic geometry resources available on the Intergeo platform by participants. In the second part, the following issues will be discussed:

- Is the review questionnaire easy to use by "ordinary" teachers or does it require specific preparation or coaching?
- To what extent is the purpose of the questionnaire, which is to allow continuous improvement of dynamic geometry content, fulfilled?
- Does the review process help teachers to appropriate and implement the proposed activities in a classroom?
- Does the review process contribute to teachers' professional development?

Key words

Dynamic geometry content, quality assessment, Intergeo platform.

Prerequisites

Participants should have basic knowledge of a dynamic geometry system.

Technical requirements

Computer lab with Internet access (participant – computer ratio 2:1).