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Publication date:
2017

Document Version
Publisher's PDF, also known as Version of record

Link to publication from Aalborg University

Citation for published version (APA):
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WHAT IS ENA?
Epistemic Network Analysis is a tool developed by the epistemic games group at the University of Wisconsin Madison for tracking the relations between concepts in students discourse (Shaffer 2017).

THE DANISH MATHEMATICS CURRICULUM
The Danish mathematics curriculum is organized in six competencies and three topics. In the recently implemented learning platforms teacher choose which of the mathematical competencies that serves as objective for a specific lesson or teaching sequence. Hence learning objectives for lessons and teaching sequences are defining a network of competencies, where two competencies are closely related or they often are part of the same learning objective or teaching sequence.

GOAL ARROW DATA
In our current work we are applying this tool to learning objectives in teachers digital preparation.

PROGRESSION ANALYSIS
The progression in the visualizations from 1st to 9th grade shows a significantly different role for problem tackling in gradestep 4 to 6, than in the other to two gradesteps. The visualizations for the three gradesteps do not look the same, which means that the teaching it self is probable to be different, as described in the analyses above. There is only a slight change for the centre of mass, which might suggest otherwise.