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Changes in Finish mathematics teachers' beliefs during 1987–2012.

Lindmeier, Anke M. (ed.) et al., Proceedings of the 37th conference of the International Group for the Psychology of Mathematics Education “Mathematics learning across the life span”, PME 37, Kiel, Germany, July 28–August 2, 2013. Vol. 3. Kiel: IPN–Leibniz Institute for Science and Mathematics Education at the University of Kiel (ISBN 978-3-89088-289-5). 417-424 (2013).

Summary: The purpose of this study is to investigate what kinds of changes have occurred in Finnish mathematics teachers' beliefs during 1987–2012. The data was collected through a Likert scale questionnaire in years 1987 and 2012, and the analysis concentrates on the comparison between these studies. The information gained from this analysis show what kind of beliefs about mathematics and its teaching teachers' had 25 years ago and how they have changed. Changing teachers' beliefs can help to change teachers' behaviours and in such way improve teaching and learning process.

Classification: C29 C49

Keywords: teachers' beliefs; changes of beliefs; teachers' behaviours; teaching-learning process; improvement