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The first sourcebook on Nordic research in mathematics education: Norway, Sweden, Iceland, Denmark and contributions from Finland.

The Montana Mathematics Enthusiast. Monograph 10. Charlotte, NC: Information Age Publishing (IAP) (ISBN 978-1-6173-5099-3/hbk; 978-1-61735-098-6/pbk; 978-1-61735-100-6/ebook). 2010. (xii, 739 p.).

Publisher's description: The first sourcebook on Nordic research in mathematics education: Norway, Sweden, Iceland, Denmark and contributions from Finland provides the first comprehensive and unified treatment of historical and contemporary research trends in mathematics education in the Nordic world. The book is organized in sections co-ordinated by active researchers in mathematics education in Norway, Sweden, Iceland, Denmark, and Finland. The purpose of this sourcebook is to synthesize and survey the established body of research in these countries with findings that have influenced ongoing research agendas, informed practice, framed curricula and policy. The sections for each country also include historical articles in addition to exemplary examples of recently conducted research oriented towards the future. The book will serve as a standard reference for mathematics education researchers, policy makers, practitioners and students both in and outside the Nordic countries. This Sourcebook includes over 50 chapters from the Nordic world. Contents of this book include: Section I: Norwegian research in mathematics education (section editor: Simon Goodchild): (1) Introduction to the Norwegian part of the Sourcebook of Nordic research in mathematics education (Simon Goodchild); (2) The development of mathematics education as a research field in Norway – an insider's personal reflections (Trygve Breiteig and Simon Goodchild); Section II: Swedish research in mathematics education (section editor: Christer Bergsten): (4) Mathematics education research in Sweden – An introduction (Christer Bergsten); (5) Some theoretical orientations of Swedish research: Learning difficulties and mathematical reasoning (Johan Lithner and Torulf Palm); Section III: Icelandic research in mathematics education (section editors: Gudbjorg Palsdottir and Bharath Sriraman): (6) Mathematics education in Iceland: explaining the non-homogeneity in a homogenous system (Gudny Helga Gunnarsdottir, Gudbjorg Palsdottir, and Bharath Sriraman); (7) The history of public education in mathematics in Iceland and its relations to secondary education (Kristin Bjarnadottir); Section IV: Danish research in mathematics education (section editors: Bettina Dahl and Bharath Sriraman); and Section V: Contributions from Finland (section editor: Lenni Haapasalo).

Classification: A60 D20