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Digital resources and mathematics teachers professional development at university.

Ubuz, Behiye (ed.) et al., CERME 8. Proceedings of the eighth congress of the European Society of Research in Mathematics Education, Antalya, Turkey, February 6–10, 2013. Ankara: Middle East Technical University (ISBN 978-975-429-315-9). 2336-2345 (2013).

Summary: For university mathematics as for other levels, a profusion of digital resources is available for teachers. This evolution impacts the teacher's practices, and contributes to teachers' professional development. Retaining here a focus on the interactions between teachers and resources, I study the use of digital resources for the teaching of mathematics at university, and how this use articulates with teachers' professional knowledge and its evolution. I also investigate the consequences of digital resources for teachers' collective work. I consider these issues, drawing on a case study concerning a mathematics lecturer working with computer science students.

Classification: U79 D39

Keywords: teacher's practices; professional knowledge; digital resources; professional development