

PRESENTATIONS

Presentations

- ✓ 48 presentations
- ✓ variety of venues (e.g., conferences, MINToring series, IIT Kanpur, local lecture series) and countries

person(s) delivering the presentations are marked by °

1. **Schulman, K.** ° (2022). The impact of conceptual change research on teaching practice and how to grow it. IGU-CGE conference, Rennes, France. 2022-07-13. (online presentation).
2. **Viehrig, K.**, Demantowsky, M. (2018). Beliefs angehender und praktizierender Geographie- bzw. RZG-Lehrpersonen in der Schweiz: Ausgewählte Ergebnisse einer Studie im Rahmen des #TCDTE-Projekts [Beliefs of pre- and in-service geography/RZG teachers in Switzerland: Selected results of a study within the #TCDTE project]. Poster gallery. HGD conference. Münster, Germany.
3. **Viehrig, K.**°, Notter, N.°, and the TCDTE & YCHANGE project teams (2018). Mögliche Bezüge zwischen bestehenden Forschungsprojekten mit Lehrpersonen und den SDGs: zwei Beispiele [Possible links between existing research projects with teachers and the SDGs: two examples]. Poster presentation. VGD-CH 10-year anniversary conference, PH Zurich, 2018-06-08.
4. Demantowsky, M., **Viehrig, K.**° (2018). Eine fachvergleichende Langfriststudie zu Teacher Beliefs [A subject-comparative long term study of teacher beliefs]. Institutskonferenz, ISEK, PH FHNW, Windisch, Switzerland, 2018-04-23.
5. **Viehrig, K.**° (2018). Der Digitale Wandel und die Geographiedidaktik. Forschungsstand und Forschungsperspektiven [Digital change and geography education. State of research and perspectives for research]. Presentation at the #BKDG18, Basel, Switzerland. 2018-04-16.
6. Demantowsky, M., **Viehrig, K.**° (2017). Noch auf Draht? Geschichts- und Geographielehrpersonen im Digitalen Wandel. World Café, FHNW Forschungstag, Windisch, Switzerland, 2017-11-22.
7. **Viehrig, K.**°, Sauerländer, D.° (2017). Klima und Geschichte – eine Chance für den Unterricht in Geschichte und Geografie [Climate and history – a chance for education in history and geography]. lecture series “The hunger year 1817 and its consequence” (Historical Society of the Canton Aargau), Windisch, Switzerland, 2017-11-22.
8. Stoltman, J.°, Bourke, T.°, Chang, C.H.°, **Viehrig, K.**°, Solem, M.° (2017). Trends in International Geography Assessment Study Workshop: Refining components of exemplary assessment instruments. TIGAS Social Lab at the IGU-CGE conference, Lisbon, Portugal, 2017-10-27.
9. Stoltman, J.°, Bourke, T.°, Chang, C.H.°, Yoon, O.°, Marada, M., **Viehrig, K.**°, Solem, M.° (2017). Trends in International Geography Assessment Study (TIGAS), Special Panel at the IGU-CGE conference, Lisbon, Portugal, 2017-10-27.
10. **Viehrig, K.**°, Notter, N. (2017). YCHANGE: Analyzing Environmental Change with Digital Satelite Images. Workshop at the IGU-CGE conference, Lisbon, Portugal, 2017-10-27.
11. **Viehrig, K.**° (2016). International Perspectives on Geography and Earth Science Teacher Education – An Introduction. #IPGESTE 2016 Conference, Windisch, Switzerland, 2016-09-26.

12. **Viehrig, K.**° (2016). Pre-service teachers' voices on the choice of spatial examples. #IPGESTE 2016 Conference, Windisch, Switzerland, 2016-09-27.
13. **Viehrig, K.**°, Fuchsgruber, V., Riembauer, G., Wolf, N., Siegmund, A. (2016). Development and Evaluation of an Adaptive Online Learning Environment for the Application of Remote Sensing in Schools – Experiences and Preliminary Research Results of the Space4Geography Project. IGU-CGE Conference, Singapore, 2016-08-02.
14. **Viehrig, K.**°, Siegmund, A. (2015): Assessing systemic thinking in kindergarten and primary school using the topic '(renewable) energy' – empirical results and issues for the future. IGU Regional Conference, Moscow, Russia, 2015-08-20.
15. **Viehrig, K.**°, Fuchsgruber, V., Wolf, N., Riembauer, G., Siegmund, A. (2015): Understanding the Earth with Satellite Images – Development of an Adaptive Learning Platform for the Application of Remote Sensing in Schools. IGU Regional Conference, Moscow, Russia, 2015-08-19.
16. Fuchsgruber, V.°, Wolf, N., **Viehrig, K.**, Siegmund, A. (2015): Space4Geography. Developing an online learning platform with Educational Design Research. A learning environment for the application of remote sensing in schools. NCGE Conference, Washington D.C., USA, 2015-08-05.
17. Brockmüller, S.°, **Viehrig, K.**, Schuler, C., Mrazek, J., Volz, D., Siegmund, A. (2015): Enhancement of geographical system thinking through the use of models. ESERA, Helsinki, Finland, 2015-08-01.
18. **Viehrig, K.**, Siegmund, A. (2015): Basiskompetenzen im Umgang mit erneuerbarer Energie entwickeln – Ein interdisziplinärer Zugang zu Wind, Wasser und Sonne für Vorschulkinder [Developing basic competences in using renewable energy – an interdisciplinary approach to wind, water and sun for preschool children]. HGD Symposium, Bochum, Germany, 2015-03-26 (Poster Gallery).
19. Wolf, N.°, Fuchsgruber, V., **Viehrig, K.**, Naumann, S., Siegmund, A. (2015): Erdbeobachtung für Jugendliche – Entwicklung einer adaptiven, webbasierten Lernplattform für den Einsatz von Satellitenbildern im Geographieunterricht [Remote sensing for adolescents – Development of an adaptive, web-based learning platform for using satellite images in geography education]. DGPF Jahrestagung 2015, Köln, Germany, 2015-03-17. #Space4Geography
20. Wolf, N.°, Fuchsgruber, V., Naumann, S., **Viehrig, K.** & Siegmund, A. (2014): A web-based learning environment for the application of remote sensing in schools. 3. Common Workshop of the Working Groups "Remote Sensing" (DGfG) and "Analysis of Remote Sensing Data" (DGPF), Berlin, Germany, 2014-10-09 (Poster).
21. Fuchsgruber, V.°, Wolf, N., **Viehrig, K.**, Naumann, S., Siegmund, A. (2014): Understanding the earth with satellite images – Development of a student-centered learning environment to support the application of remote sensing in schools. EARSeL Symposium, Warsaw, Poland, 2014-06-16.
22. **Viehrig, K.**°, Wolf, N., Fuchsgruber, V., Siegmund, A. (2014): Assessment to Enable Technology-assisted Individual Learning Paths in Remote Sensing. NCGE Conference, Memphis, USA, 2014-08-01.
23. **Viehrig, K.**°, Siegmund, A. (2014): Water, Wind, Sun: System Competency of Kindergarten Students. NCGE Conference, Memphis, USA, 2014-08-01.
24. Fuchsgruber, V.°, Wolf, N., **Viehrig, K.**, Naumann, S., Siegmund, A. (2014): Understanding the earth with satellite images – Development of a student-centered learning environment to support the application of remote sensing in schools. EARSeL Symposium, Warsaw, Poland, 2014-06-16.
25. Siegmund, A.°, **Viehrig, K.**, Funke, J., Wüstenberg, S., Greiff, S. (2014): Geographische Kompetenzen messen – Entwicklung und empirische Prüfung eines Kompetenzmodells der geographischen Systemkompetenz [Measuring geographic competences – Development and empirical testing of a competence model for geographic system competence], Bochum, Germany, 2014-01-30.

26. **Viehrig, K.**, Siegmund, A. (2013): Differenzierung im Spiegel geographiedidaktischer Forschung und Praxis [Differentiation in the mirror of geography-didactical research and practice]. HGD Symposium, Dresden, Germany, 2013-05-30.
27. **Viehrig, K.**, Wüstenberg, S., Greiff, S., Funke, J., Siegmund, A. (2011): An Inventory of Geographic System Competency. NCGE Conference, Portland, USA, 2011-08-05.
28. **Viehrig, K.**, Siegmund, A. (2011): Using simple GIS-based applications or maps?. NCGE Conference, Portland, USA, 2011-08-04.
29. **Viehrig, K.**, Siegmund, A., Wüstenberg, S., Greiff, S., Funke, J. (2011): Systemisches und räumliches Denken in der geographischen Bildung – Erste Ergebnisse zur Überprüfung eines Modells der Geographischen Systemkompetenz [Systemic and spatial thinking in geography education – first results of testing a model for geographic system competence]. HGD Symposium, Ludwigsburg, Germany, 2011-04-08. (Poster).
30. **Viehrig, K.**, Greiff, S. Siegmund, A., Funke, J. (2010): Geographische Kompetenzen fördern – Erfassung der Geographischen Systemkompetenz als Grundlage zur Bewertung der Kompetenzentwicklung [Supporting geographic competences – Measuring geographic system competence as basis for evaluating competence development]. Joint Symposium of the GEI and the HGD, Braunschweig, Germany, 2010-03-18.
31. **Viehrig, K.**, Siegmund, A. (2010): Effects of GIS use on student achievement of geographic system competency – Preliminary results of a study in Germany. IGU regional conference, Tel Aviv, Israel, 2010-07-14.
32. **Viehrig, K.**, (2009): Geoinformatik [Geoinformatics]. MINToring Lecture Series, Karlsruhe, Germany, 2009-12-01.
33. **Viehrig, K.**, Siegmund, A. (2009): Geographische Systemkompetenz und GIS-Einsatz – Arbeitsbericht einer Studie mit Schülern der Sekundarstufe [Geographic system competence and using GIS – working report of a study with secondary school students]. NTG Colloquium, University of Education Heidelberg, Germany, 2009-11-02.
34. Siegmund, A., **Viehrig, K.**, Funke, J., Greiff, S. (2009): Theory-guided survey of competency levels within the framework of probabilistic measurement models – a contribution to building a Heidelberg Inventory of Geographic System Competency (HEIGIS). Annual meeting of the DFG-priority program ‘Competence models for the assessment of individual learning outcomes and the evaluation of educational processes’, Göttingen, Germany, 2009-10-02. #HEIGIS
35. **Viehrig, K.**, Siegmund, A. (2009): Theoriegeleitete Erhebung Geographischer Systemkompetenz im Rahmen probabilistischer Messmodelle [Theory-guided measurement of geographic system competence within the framework of probabilistic measurement models]. NTG Colloquium, University of Education Heidelberg, Germany, 2009-04-27.
36. **Viehrig, K.**, Volz, D. (2008): Der Blick über den Tellerrand – Kompetenzforschung anderer Fachdidaktiken zu Erkenntnisgewinnung/ Methoden [Looking over the edge of the plate – competence research of other subject-specific didactics regarding the process of gaining knowledge/ methods]. Meeting of a subgroup of the HGD working group competency research in geography didactics, University of Education Heidelberg, Germany, 2008-09-24.
37. **Viehrig, K.**, Siegmund, A., Volz, D. (2008): Effects of GIS-use on the development of core competencies. ESRI International Education User Conference, San Diego, USA, 2008-08-03.
38. **Viehrig, K.**, Siegmund, A. (2008): Empirische Studie zur geographischen Systemkompetenz Jugendlicher [Empirical study of adolescents' geographic system competence]. AEPF – Junior Scientist Colloquium, Kiel, Germany, 2008-08-27.
39. **Viehrig, K.**, Siegmund, A. (2008): Ansätze zur Förderung der geographischen Systemkompetenz (GSK) [Approaches to supporting geographic system competence]. AEPF Conference, Kiel, Germany, 2008-08-25.
40. **Viehrig, K.**, Siegmund, A. (2008): Lohnt sich der Einsatz neuer Medien im Geographieunterricht? Eine Studie zur Kompetenzentwicklung am Beispiel GIS [Is using new media in geography education worth it? A study about competence development using the

example of GIS]. Geographic Colloquium, University of Education Heidelberg, Germany, 2008-06-19.

41. **Viehrig, K.**, Siegmund, A. (2008): Empirische Studie zum Einfluss des GIS-Einsatzes auf die geographische Systemkompetenz von Jugendlichen [Empirical study about the influence of using GIS on the geographic system competence of adolescents]. NTG-Colloquium, University of Education, Heidelberg, Germany, 2008-04-21.
42. Volz, D., **Viehrig, K.**, Siegmund, A. (2008): GIS as a means for competence development: questions for an integrated GIS didactics. AGIT conference, Salzburg, Austria, 2008-07-03.
43. **Viehrig, K.**, Volz, D., Siegmund, A. (2008): A question of objective: Implementing GIS-use in secondary schools. 5th International Conference on Geographic Information Systems, Istanbul, Turkey, 2008-07-05.
44. **Viehrig, K.** (2007): GIS and system competence. Indian Institute of Technology Kanpur, India, 2007-12-24.
45. **Viehrig, K.**, Siegmund, A. (2007): Ansätze zur Messung der Raumverhaltenskompetenz im Geographieunterricht [Approaches to measuring spatial behavior competence in geography education]. 8th Day of Junior Scientists, Freiburg, Germany, 2007-11-23 (Poster).
46. Siegmund, A., **Viehrig, K.**, Volz, D. (2007): GIS@school – new didactical aspects of using GIS in geography education. ESRI European User Conference, Stockholm, Sweden, 2007-09-27.
47. Siegmund, A., Volz, D., **Viehrig, K.** (2007): GIS in the classroom – challenges and chances for geography teachers in Germany. HERODOT working conference, Stockholm, Sweden, 2007-09-25.
48. **Viehrig, K.**, Volz, D., Siegmund, A. (2007): GIS als Werkzeug im Geographieunterricht – Fragen an eine integrierte GIS-Didaktik [GIS as a tool in geography education – questions for an integrated GIS didactics]. Conference of German Geographers, Bayreuth, Germany, 2007-09-30 (Poster)