

Associate Professor Jan Ketil Rød
Norwegian University of Science and Technology

Course

Geographic Information Systems, 2 hours, (6 ECTS)
Monday, 7/10/13-Friday, 11/10/13, 9:00-16:00, CIP Pool G 310

Course Description

As a research tool in the social sciences, GIS have not been used to nearly the same depth relative to applications in the natural sciences, in which GIS have a longer history dating back to the late 1960s. Current and future opportunities for the application of GIS in the social sciences are considered tremendous. This course aims to point at some of the many opportunities. Whether the research design is based on qualitative or quantitative methods, GIS can provide the researcher with added analytical capabilities. Examples from both qualitative and quantitative use of GIS will be given during the course, but with an emphasis on the latter.

Literature

Basic assignments

Longley, P.A., M.F. Goodchild, D.J. Maguire and D.W. Rhind. 2011. Geographic Information Systems and Science. Chichester, Wiley.

Further reading (books)

Steinberg, S.J. and S.L. Steinberg. 2006. GIS: Geographic Information Systems for the Social Sciences: Investigating Space and Place. Thousand Oaks, Calif, SAGE.

Parker, R.N. and E.K. Asencio. 2008. GIS and Spatial Analysis for the Social Sciences. Coding, Mapping, and Modeling. New York, Routledge.

Further reading (articles)

Braithwaite, A. 2010. MIDLOC: Introducing the Militarized Interstate Dispute Location Data Set. Journal of Peace Research 47(1): 91-98.

Brochmann, M., Rød, J.K. and Gleditsch, N.P. 2012. International Borders and Conflict Revisited. Conflict Management and Peace Science. 29 (2): 170-194.

Buhaug, H., L.-E. Cederman and J. K. Rød. 2008. Disaggregating Ethno-Nationalist Civil Wars: A Dyadic Test of Exclusion Theory. International Organization 62(3): 531-551.

Buhaug, H. and J.K. Rød. 2006. Local Determinants of African Civil Wars, 1970 - 2001. Political Geography 25(3): 315-335.

Cederman, L.-E., H. Buhaug and J.K. Rød. 2009. Ethno-Nationalist Dyads and Civil War: A GIS-Based Analysis. Journal of Conflict Resolution 53(4): 496-525.

Gilmore, E.,P. Lujala, N.P. Gleditsch and J.K. Rød. 2005. Conflict Diamonds: A New Data Set. Conflict Management and Peace Science 22(3): 257-272.

Gleditsch, N. P., P. Wallensteen, M. Eriksson, M. Sollenberg and H. Strand. 2002. Armed Conflict 1946 - 2001: A New Dataset. Journal of Peace Research 39(5): 615-637.

Lujala, P., J.K. Rød and N. Thieme. 2007. Fighting over Oil: Introducing a New Data Set. Conflict Management and Peace Science 24(3): 239-256.

Rustad, S.C.I.A.; J.K. Rød; W. Larsen; N.P. Gleditsch. 2008. Foliage and Fighting: Forest Resources and the Onset, Duration, and Location of Civil War. Political Geography 27(7): 761-782.

Weidmann, N.B., D. Kuse and K.S. Gleditsch. 2010a. The Geography of the International System: The CShapes Data Set. International Interactions 36(1): 86-106.

Graduate School of Decision Sciences
University of Konstanz

Weidmann, N.B., J.K. Rød and L.-E. Cederman. 2010b. Representing Ethnic Groups in Space: A New Data Set. *Journal of Peace Research* 47(4): 491-499.

Østby, G., R. Nordås and J.K. Rød. 2009. Regional Inequalities and Civil Conflict in Sub-Saharan Africa. *International Studies Quarterly* 53(2): 301-324.

Registration

Please register by **Monday, 17th June 2013** via e-mail to Jutta Obenland (Jutta.Obenland@uni-konstanz.de)