Jochner, M., M. Schwander, and S. Brönnimann (2013) Reanalysis of the Hamburg Storm Surge of 1962. In: Brönnimann, S. and O. Martius (Eds.) *Weather extremes during the past 140 years.* Geographica Bernensia G89, p. 19-26, DOI: 104480/GB2013.G89.02

Abstract
In February 1962, Hamburg experienced its most catastrophic storm surge event of the 20th century. This paper analyses the event using the Twentieth Century Reanalysis (20CR) dataset. Responsible for the major flood was a strong low pressure system centred over Scandinavia that was associated with strong north-westerly winds towards the German North Sea coast – the ideal storm surge situation for the Elbe estuary. A comparison of the 20CR dataset with observational data proves the applicability of the reanalysis data for this extreme event.