

Emergency

nagemen

# A first evaluation of the new CEMS systematic global flood monitoring product

Renaud Hostache\*, Sandro Martinis, Bernhard Bauer-Marschallinger, Marco Chini, Candace Chow, Senmao Cao, Ramona Pelich, Yu Li, Christian Böhnke, Lisa Knopp, Florian Roth, Marc Wieland, Wolfgang Wagner, Patrick Matgen, Niall McCormick, Peter Salamon

## Abstract

95°55'0"W

Quantiles

The Global Flood Monitoring (GFM) product of the Copernicus Emergency Management Service (CEMS) will soon deliver global, near-real time flood extent maps for each newly acquired Sentinel-1 Interferometric Wide Swath image. The GFM product output will be available within a maximum of 8 hours following image acquisition. It will consist of 11 output layers including maps of observed water and flood extent, together with classification uncertainty. In this study, we evaluate the observed flood extent layer with the associated classification uncertainty information.







https://e-shape.eu/

### \*Contact: renaud.hostache@list.lu