



## **Overview on glacial bursts following the eruption of Eyjafjallajökull volcano on April 14 2010**

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The Eyjafjallajökull eruption that has begun on April 14 2010 has so far triggered several flood waves in the Markarfljót Valley, north from the volcano; two important glacial bursts were observed on April 14 and April 15, quickly after the beginning of the eruption. A jökulhlaup (glacial burst) was also triggered on April 14 south from the volcano, by the Atlantic Ocean. Preliminary results on water levels attained and flooding boundaries are presented. Although of a lesser volume than of the first burst, the wave in the Markarfljót valley on April 15 is thought to have been of a higher discharge by the pro-glacial lake that stands at the outlet of the glacier tongue where the bursts were initiated.