

Interactive comment on “Dynamic mapping of flood boundaries: current possibilities offered by Earth Observation System and Cellular Automata” by A. Gerardi et al.

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The paper describe an application of CEASAR model to the Aniene River focusing on the comparison between flood map produced by CAESAR and such from Earth observations. The Chapter 3 describe the CAESAR model but refers to the old version of code as now it implements the lisflood (Bates et al., 2010; Neal et al., 2011) for the hydraulic rules. Such update was performed as the old approach gave poor results when comparisons were carried out with real data. The results need to be checked with this new feature. Moreover the results does not appears to be deeply described. Authors only stated that the simulations provide a good qualitative correspondence

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without more additional informations, figures, tables.

page 838 row 15 "directed to the three cells": CAESAR allows to route the water flow also to more than 3 cells

Chapter 5: "The results obtained in the simulations": which simulations? The ones carried out by authors. please specify

The bibliography needs to be checked as exists in literature other paper tried to compare results from CAESAR model to real field data as flood or water discharge.

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