



Aqueduct Global Flood Analyzer – bringing risk information to practice

Philip Ward (1) and the The Aqueduct Team

(1) VU University Amsterdam, Institute for Environmental Studies, Amsterdam, Netherlands (philip.ward@ivm.vu.nl), (2) Department of Physical Geography, Utrecht University, Utrecht, The Netherlands, (3) PBL Netherlands Environmental Assessment Agency, The Hague, The Netherlands, (4) Deltares, Delft/Utrecht, The Netherlands, (5) World Resources Institute, Washington DC, USA

The Aqueduct Global Flood Analyzer (wri.org/floods). is a free, online, easy to use, tool for assessing global river flood risk at the scale of countries, states, and river basins. The Analyzer allows users to assess flood risk on-the-fly in terms of expected annual urban damage, and expected annual population and GDP affected by floods. Analyses can be carried out for current conditions and under future scenarios of climate change and socioeconomic development.

The Analyzer is already used by several international agencies for large scale flood risk assessments. In 2018, a new version of the tool will be released, with added functionality. The new version will allow users to assess coastal flood risk, adding to the river flood risk assessments available in the current version. Moreover, the tool will allow users to assess the costs and benefits of adapting to floods, by means of dike construction. It will also include new scenarios assessing the impacts of land subsidence and urban extension on risk. In this contribution, we will present ongoing research to improve the user functionality of the Analyzer.