

# Flood safety in the Clarence Valley

A study on the prevention of flooding of the urban areas of the Clarence Valley, New South Wales (Australia).

We are a group of six TU Delft master students from the faculty of Civil Engineering and we will combine forces to go on a multi disciplinary project to Australia.

The Clarence River is located on the east coast of Australia and has a length of 394 km. With an average discharge of 160 m<sup>3</sup>/s nothing unusual happens. However, when heavy rainfall from the subtropical catchment area drains toward the Pacific Ocean, peak discharges rise to 20,000 m<sup>3</sup>/s. A long history of urban flooding of the Clarence Valley is the result of these disasters.

On behalf of the Clarence Valley Council and with support of Monash University from Melbourne, we are asked to do research

to optimize the use of conveyance capacity of floodplains. The Dutch project 'Ruimte voor de rivier' can be seen as a reference project. Our project approach will contain a short site visit and we will continue our studies at the University in Melbourne.

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## Flood proof Clarence Valley



# Would you like to become our partner?



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