

# Assessing the benefits of detailed hydraulic modelling

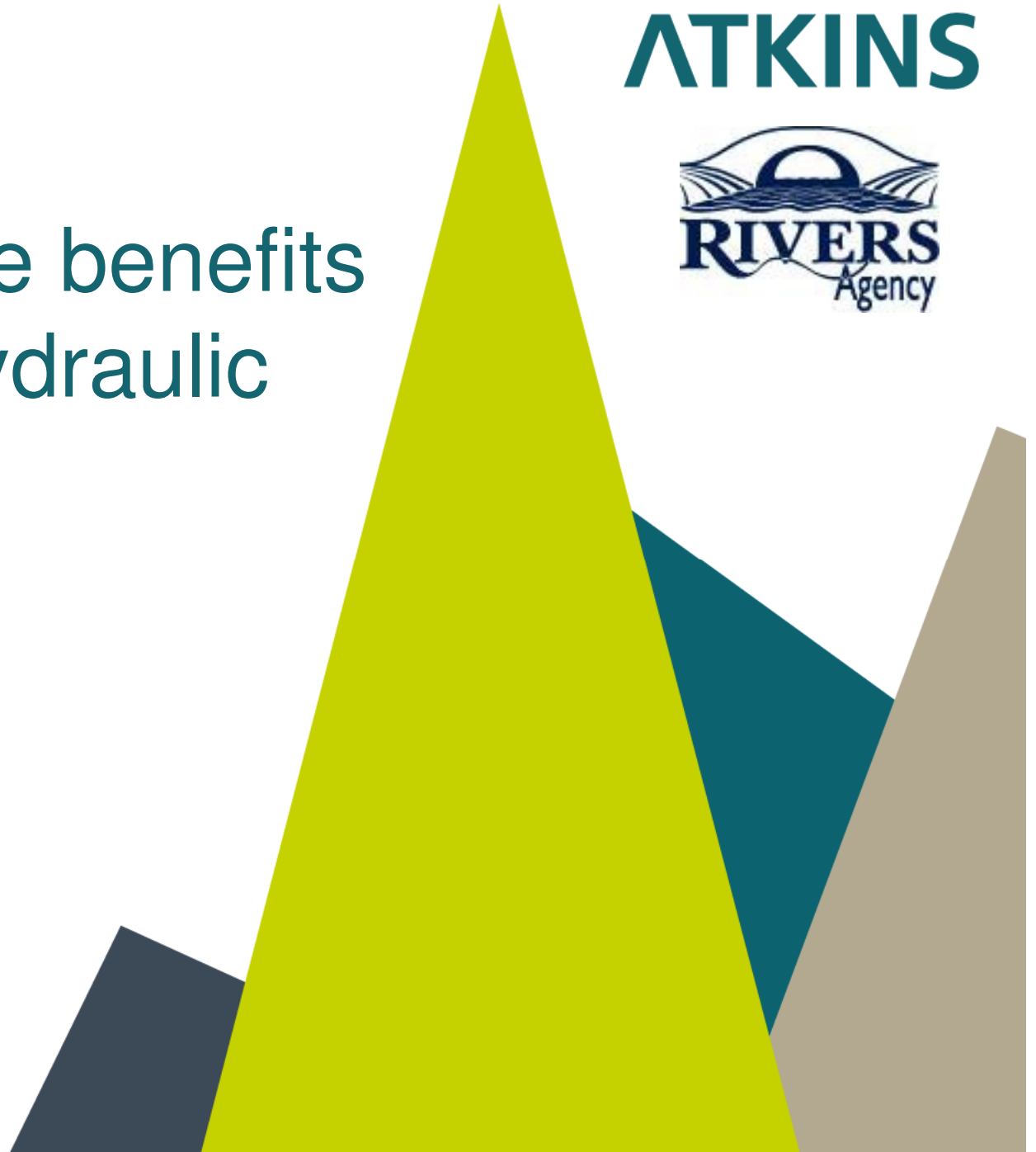
Neil Breton<sup>1</sup>  
Lesley Cooper<sup>1</sup>  
Michael McLean<sup>2</sup>

<sup>1</sup> Atkins

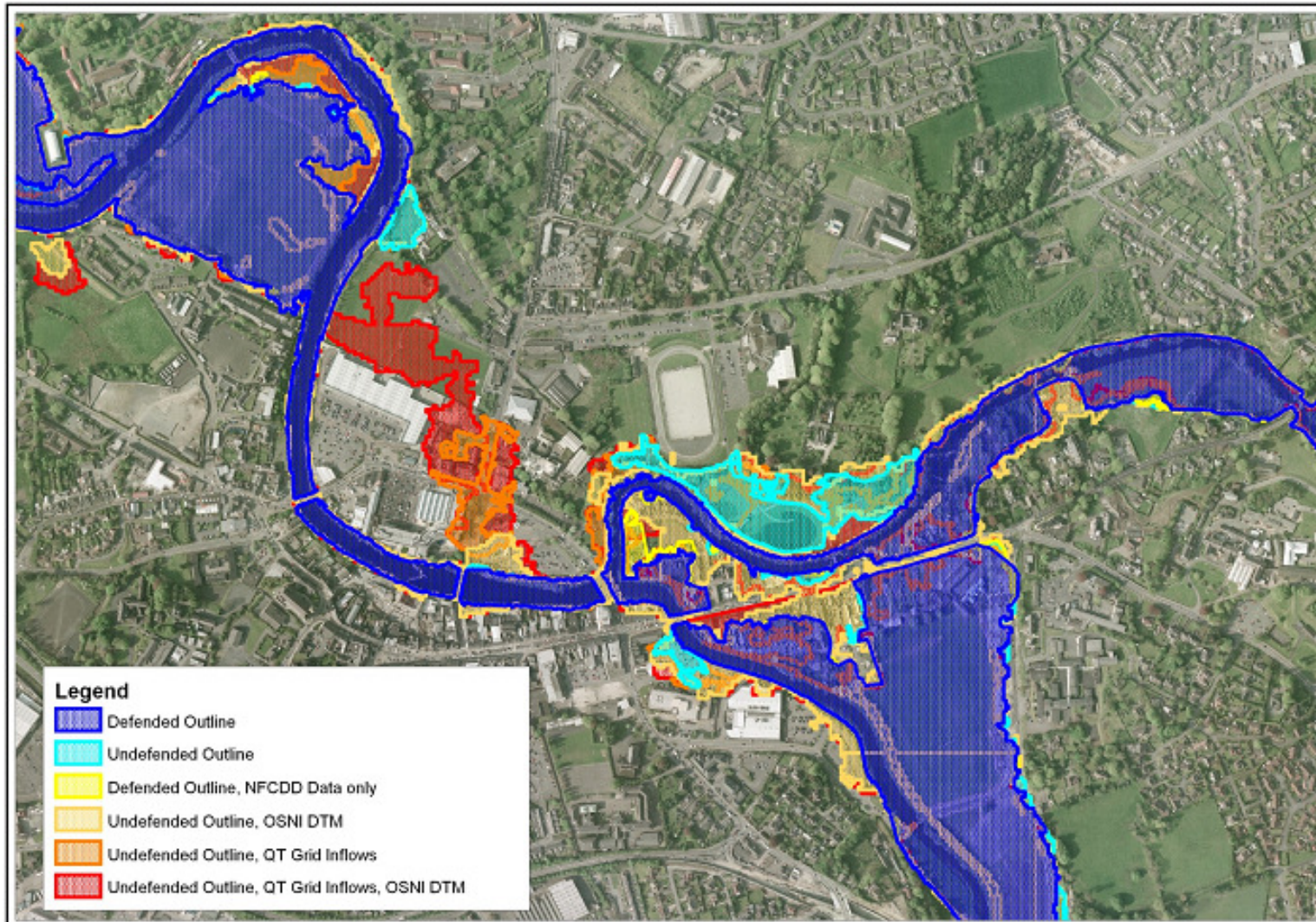
<sup>2</sup> Rivers Agency

**Plan Design Enable**

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## What didn't we find?

- A way to represent scenario's where a structure was known to exist but no information on it was available
- It may have been useful to test the difference in outline caused by using a DEM instead of a DTM
- It was not possible to compare QT grid and detailed hydrological estimates with the new Irish Flood Studies Update hydrology

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## What did we find?

- In rural areas, no additional value was gained by using detailed modelling
- Using a higher resolution topography dataset like LiDAR produces different outlines to a poorer resolution dataset
- Improving the detail in the model increased confidence in the results produced in complex areas
- Improving detail increased understanding of processes at work in the system