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Assessing the role of the invasive species Fallopia Japonica in riverbank vegetation

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Invasive plants threaten native riverbank vegetation. They aggressively grow in monocultural stands and attack the original riverbank vegetation.
This work is focused on the invasive species Fallopia japonica, which causes a loss of biodiversity and affect ecosystem processes. This work deals with the presence of the invasive species Fallopia japonica (Japanese knotweed) in riverbank vegetation and is focused on comparisons of different options in the mapping of invaded stands. The behaviour of the species was monitored by using a 3D scanner, drone and GPS locator.
The results suggest complex revitalisation steps for the invaded riverbanks. The recommended revitalisation project consists of the following parts: project documentation, eradication of Fallopia japonica stands, revitalisation, controlling and monitoring of Fallopia japonica stands and a final revitalisation.