Is long-term pesticide monitoring data from two rivers (2001-2016) representative also on a national scale?

**YES!**
The most frequently detected substances are similar (Fig 1)

...and **NO!**
Number of detected substances (Fig 2) and summarized concentration (Fig 3) per sample are higher in the two monitoring rivers compared to the country-wide screening rivers.

This is due to similar pesticides being used nationally, but monitoring rivers being located in the most intensively cultivated areas with highest use of pesticides (a.i.) per hectare, in southern Sweden (Fig 4).

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**Method and data included**
Table present an overview of data included in the comparison. All analyses have been done at the same accredited laboratory at the Swedish University of Agricultural Sciences.

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**Reports can be found at slu.se/CKB**