## Mapping streams and ditches using Aerial Laser Scanning Mariana Dos Santos Toledo Busarello, Anneli Ågren, William Lidberg

Aerial Laser Scanning

## MOTIVATION

To drain the terrain for agriculture and forestry, ditches have been dug without planning in Sweden for a long time. The result is a lack of information about their accurate location, and if a water channel is indeed a ditch or a small natural stream. This knowledge gap makes it challenging for preservation and restoration efforts,

especially considering greenhouse gases emissions.



Above: the manually digitized water channels, a process made through orthophotos; Right: map with the location of the 12 study areas spread across Sweden to reflect the variability of characteristics.





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