



# SLU Centre for Pesticides in the Environment (CKB)

A partnership forum mainly focusing on the fate of pesticides used within agriculture and their effects in the environment.

## Collaboration and education

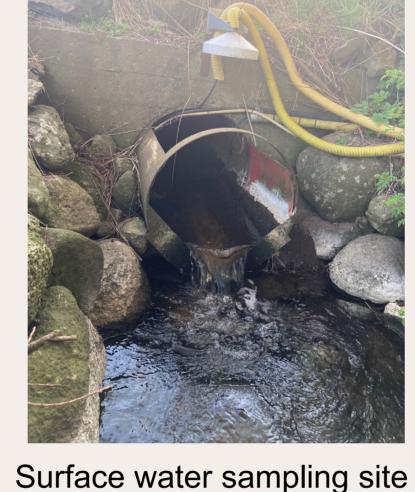
Compiling knowledge of pesticides and making it more available to stakeholders via CKB web page, publications,

presentations and training courses. Providing expert support to authorities and other organisations.



# **Environmental monitoring**

Aiming to support the national environmental monitoring with strategic development to increase the understanding and usability of the collected data, as well as to carry out complementary sampling projects.

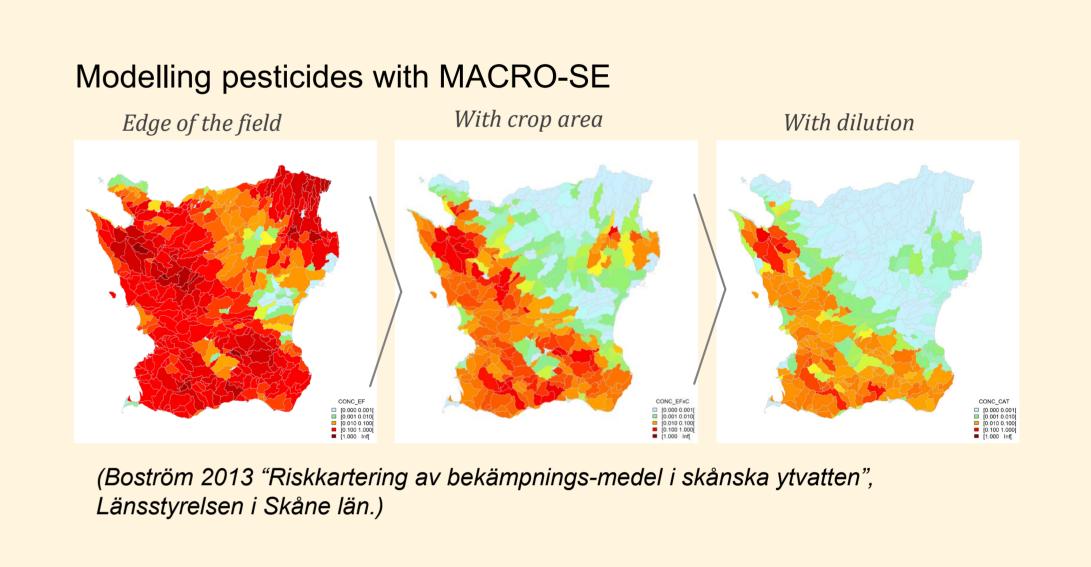




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## Risk assessment tools

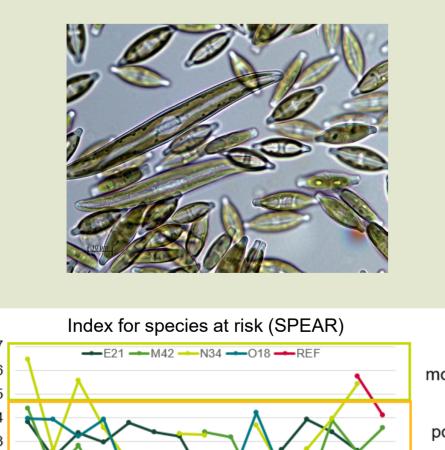
Developing models and risk assessment tools used by national and European authorities and other stakeholders.



#### **Biological effects**

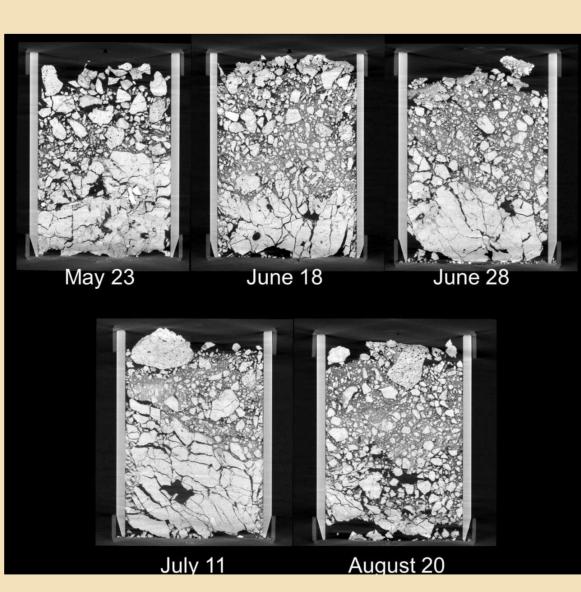
Studying the effects from pesticides on aquatic and terrestrial ecosystems in Swedish agricultural areas and developing biological indicators that can be used for environmental risk assessment.





#### **Environmental fate**

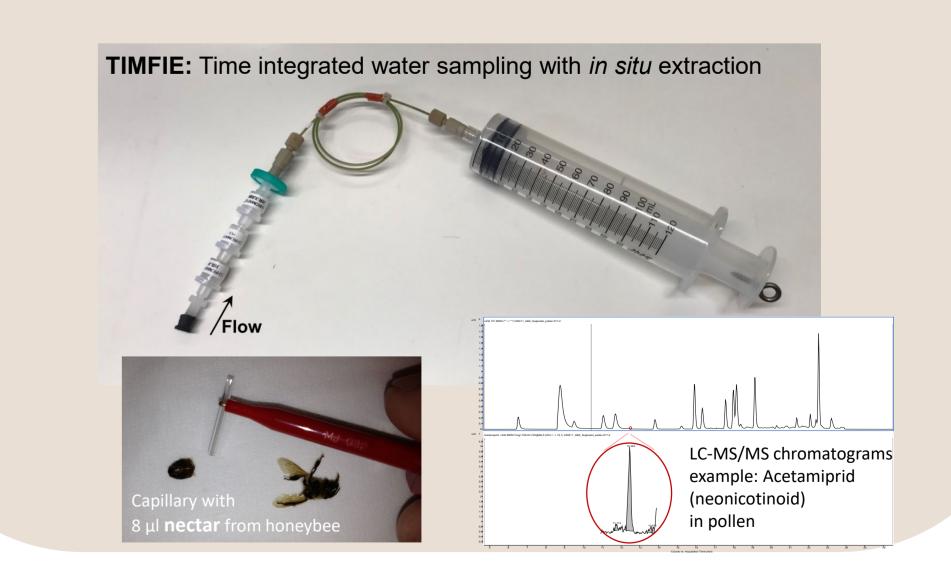
Conducting field studies and experiments to improve understanding of the key transport pathways of pesticides to the aquatic environment.



Soil profile study using X-ray tomography

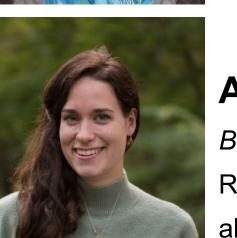
# Analytical chemistry expertise

Developing sampling techniques and analytical methods to support pesticide measurements in matrices like water, sediment, air, bees, pollen, nectar, blood and more. Quality control of monitoring data. Analytical techniques: LC-MS/MS and GC-MS





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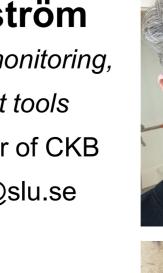
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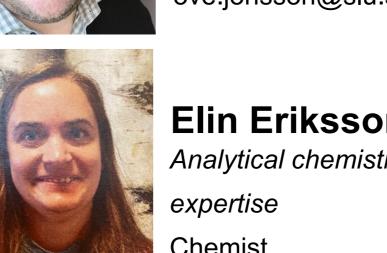
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