Pollinating insects, and in particular **bees,** are important contributors for numerous fruit and vegetable crops, and their ecosystem services is key to food security worldwide. Information about key pollinators in pear orchards relative to e.g. apples are scarce. Mapping of bee species diversity in pear orchards is a part of the starting phase towards insight into future efficiency of pear production in relation to whether pollination is successful or not,

fruit and seed set, and quality of the fruit.



PRELIMINARY RESULTS **KEY POINTS:**

4 ORCHARDS **HONEYBEE:** Apis mellifera

171 INDIVIDUALS

MINING BEES: Andrena cineraria Andrena haemorrhoa Andrena helvola Andrena scotica



All pictures shows parts of the morphology of a sweat bee, more specifically a *Lasioglossum sp*.

MAPPING OF BEE SPECIES DIVERSITY IN 4 PEAR ORCHARDS IN SOGN, WESTERN NORWAY,

Start phase on the VisionCelina-project

Silje Maria M. Høydal and Bjørn Arild Hatteland















The VisionCelina-project study area is situated in small settlements in Sogn, Vestland, Norway. Samples were collected in May 2020 by 1) scoop net in 4 orchards (Fosshagen, Husabø, Njøs and Ølmheim) twice a day, and **2) passive pan-traps** were collected each 24-48 hours. Specimens were analysed at the lab during the fall



