

# KLIIWA – Climate resilience through water-saving organic farming

## Klimaresilienz durch wassersparenden Bio-Ackerbau

AUSTRIA

**Starting date - expected end date** | 01.04.2019 – 31.3.2022

### Operational Group

In Eastern Austria, an operational group (OG) consisting of 7 organic farmers, consultants and scientists was established. The aim of the group is to test strategies to adapt to climate change in arable farming. Machinery and adapted farming strategies utilizing the cover crop based organic rotational no-till system (CCORNT) will be tested in maize and soybean trials, and cut & carry systems with legume transfer mulch will be investigated in maize and potato trials, all under on-farm conditions. The OG will study the influence of these strategies on yield, soil and crop water demand. Additionally, within a long-term monitoring project on an organic farm east of Vienna, the effects of different organic fertilisation and tillage systems (plough vs chisel) on plant and soil traits will be further investigated. The aim of the OG is to develop and test farming strategies valuable in adapting to climate change.



**Lead partner:** Bio Austria NÖ, organic association, advisor for organic farmers in Austria

### Other partners

#### Research

- ▶ BOKU, University and research (FIBL)
- ▶ FIBL Austria, research

#### Farmers

- ▶ Alfred Grand, Thomas Böhm, Walter Klingenbrunner, Lukas Niedermayer, Andreas Wiesinger, Karl Strohmayer, Herrmann Schwarzl
- ▶ Biobetrieb Rutzendorf, state owned organic farm

#### SME

- ▶ Landtechnik Stöckel, Landtechnik Hammerschmied, agricultural machinery manufacturers
- ▶ Rodale Institute, USA, research and advisor



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