

Impacts of climate change on agricultural production: Measurements at Oensingen improve climate and agricultural models

Carmen Emmel, Petra D'Odorico, Andrew Reville, Werner Eugster & Nina Buchmann
Grassland Sciences Group, Department of Environmental Systems Science, ETH Zurich



For climate-smart agriculture in Switzerland and the world

What actually happens in the field?

Understand the processes

Adjust field management

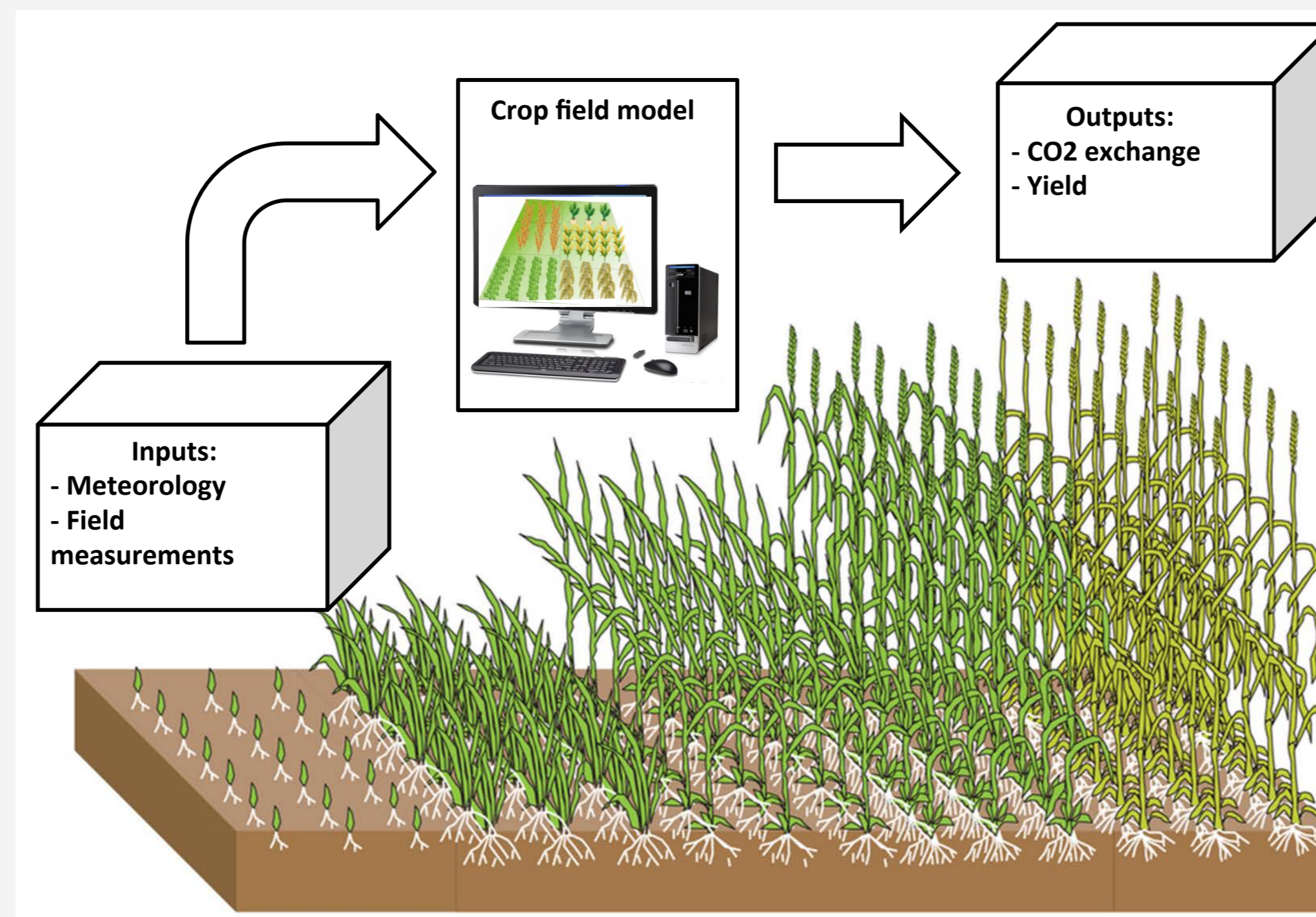
Short-term measurements



Long-term measurements



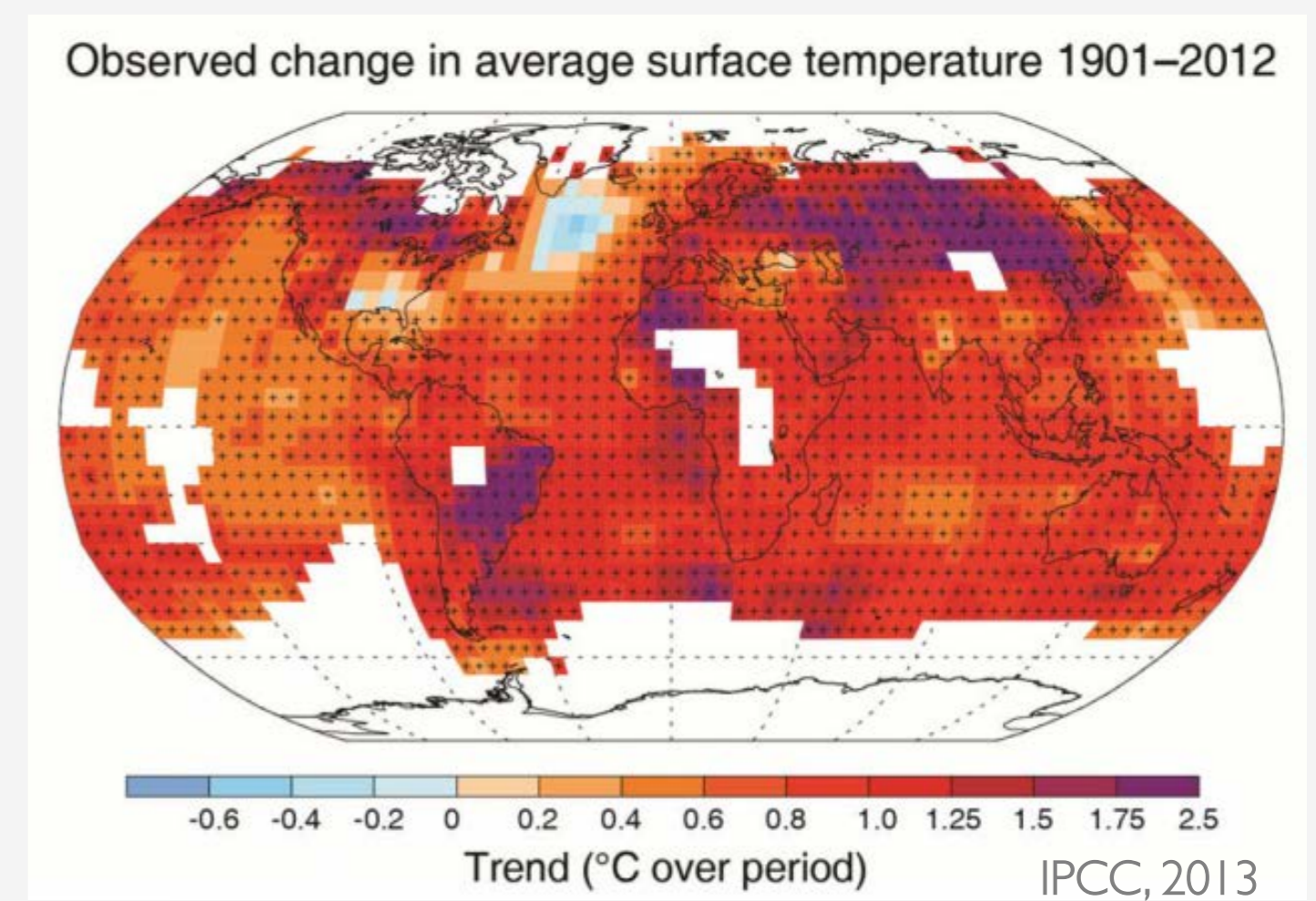
Field scale models



Field management



Climate modeling



Improve climate models

Oensingen (CH-Oe2) is the **only active Fluxnet crop site** in Switzerland. Data is used by the Grassland Sciences Group members and researchers worldwide to understand the impacts of climatic drivers, climate variability and climate change on agricultural production. The results help to improve climate and agricultural models.

