



European Project n° 613817

#### 2<sup>nd</sup> Annual Meeting

Assessment of modelling solutions

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### **WP** Objectives

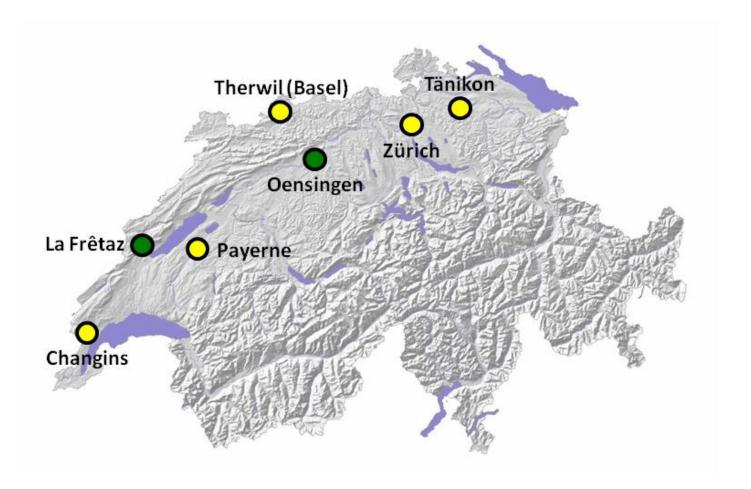
➤ WP4, O4.1: Assess the capability of modified, process-based modelling solutions to simulate the impacts of extreme events on crop development and yields







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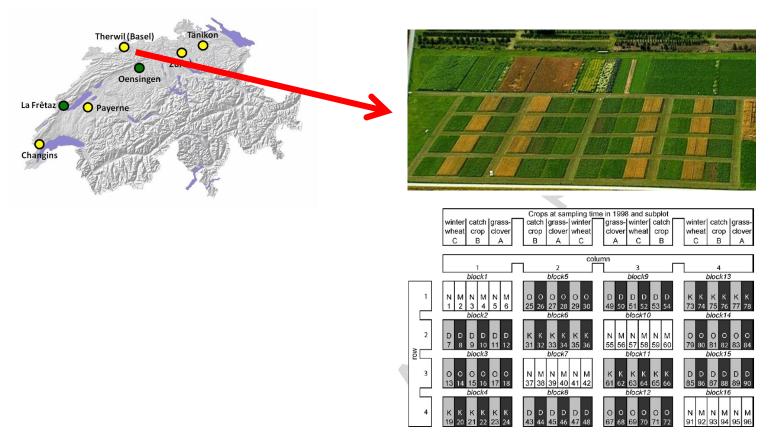


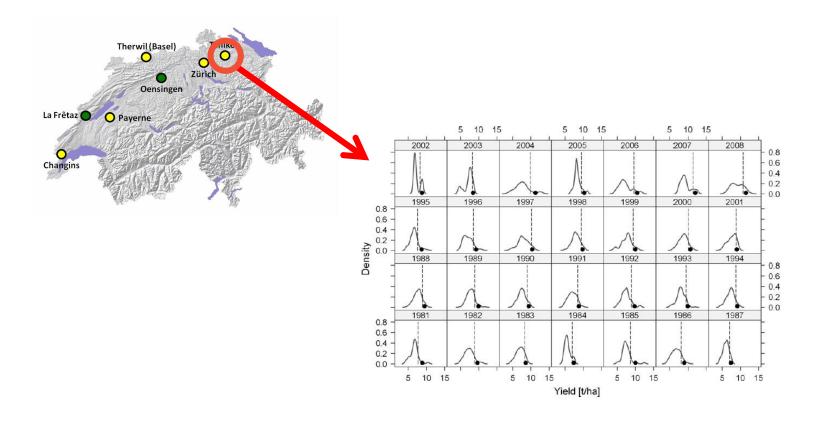
Fig. 1. Field map of the DOK farming systems trial in Therwil (Baselland, Switzerland). N: NOFERT, M: CONMIN, D: BIODYN, O: BIOORG, K: CONFYM, black fields with white letters indicate plots with normal fertilization intensity (1.2 livestock units  $ha^{-1}$  (LU) in the first and second crop rotation period (CRP), 1.4 LU  $ha^{-1}$  in the third CRP), grey ones reduced intensity (0.6 LU  $ha^{-1}$  in the first and second CRP, 0.7 LU  $ha^{-1}$  in the third CRP) and those without manure application are white.







#### \*\*\*\*

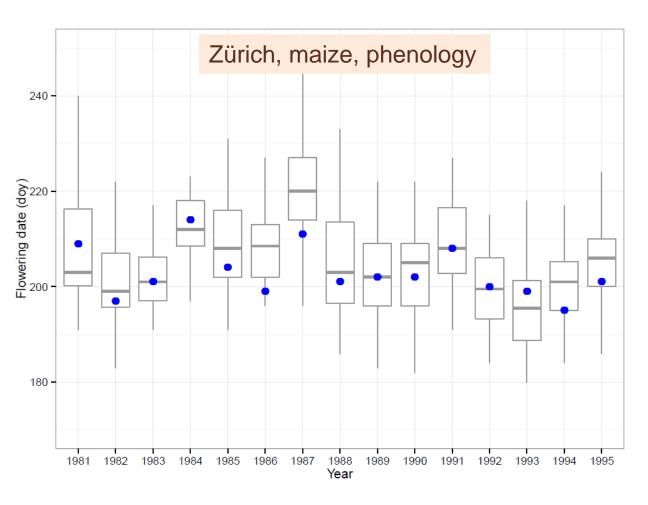










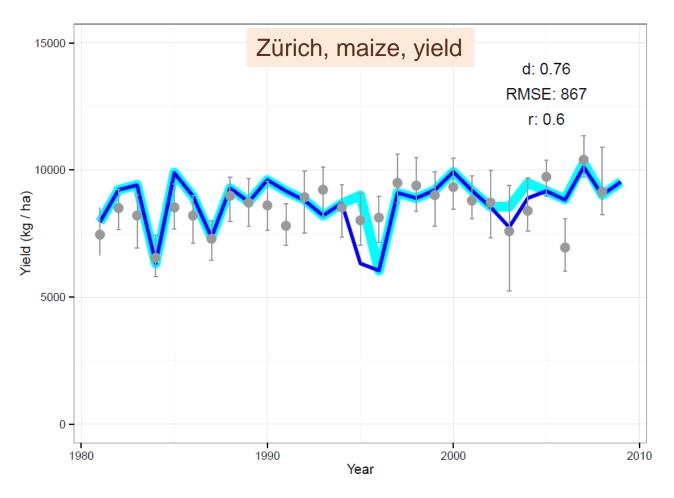










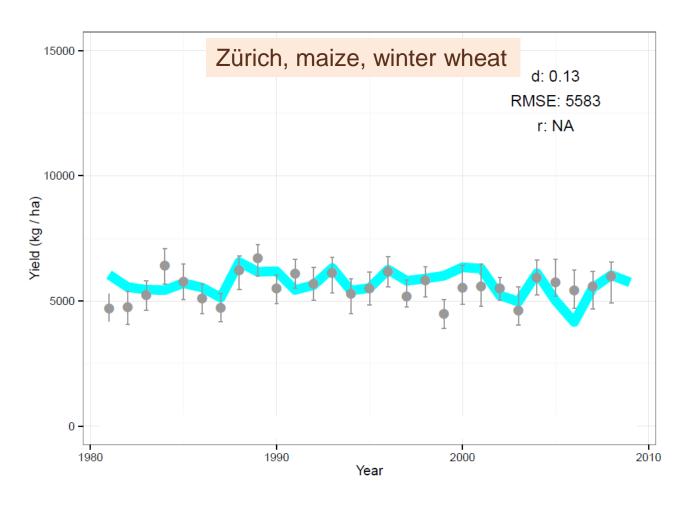




















#### **Problems**

- Not everywhere satisfactory results
- > Still in the process of testing options (parameters, thresholds, ...)









### Expected work for 2015

Completing assessment of modelling solutions for current climatic conditions









#### Acknowledgement

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