## **Plasticity of fine-root traits under** drought and irrigation

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- Irrigation:
  - During the growing seasons since 2003
- Doubling of precipitation:
  - From 520 to ~ 1100 mm/yr

**Results:** 

Drought-exposed Pinus sylvestris forest in the

- Long-term irrigation:
- Increase: biomass, length, production
- No influence: SRL, RTD, diameter, tips,

## **Pfynwald** in Valais:





water canal **Goal:** Reduction of tree mortality

## Soil coring vs. ingrowth cores: • No influence: all root traits

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