



Underground Green Farming Switzerland

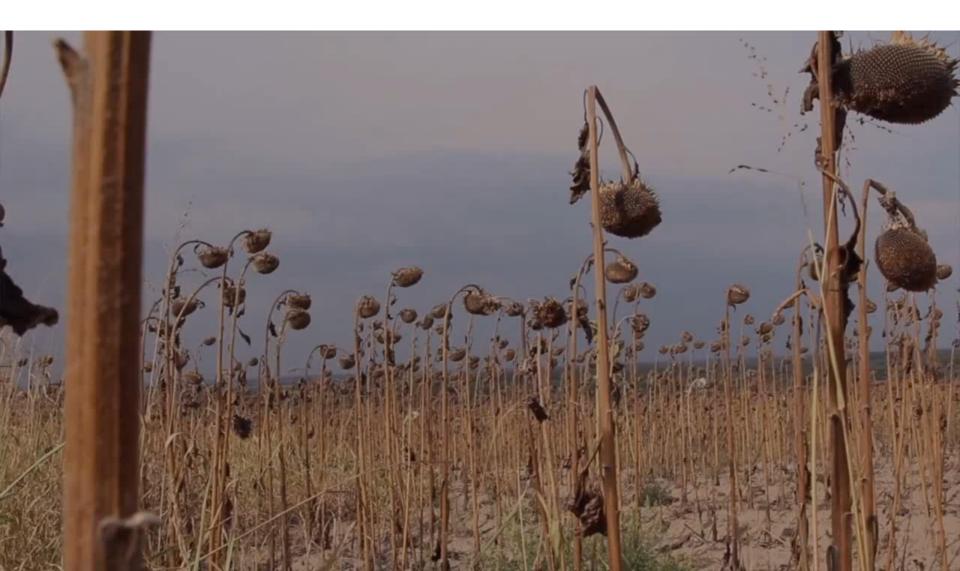
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Motivation

Underground Green Farming

Advantages of underground farming

- Safe against impacts of climate change
- Closed and controllable environment
- Constant climate conditions
- No impact on the natural ecosystem
- Local production in urban areas









Underground Green Farming

- Interdisciplinary and comprehensive approach
- Development and commissioning of the first UGF prototype
- Sustainable food production by using aquaponics
- Specific research program
- Proof of concept

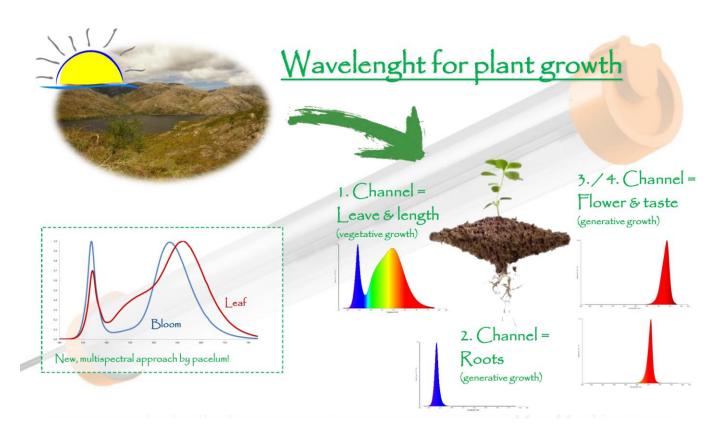








Aquaponic cycle









Impressions of the prototype



















Project stakeholders

SCAUT = Project owner

- Innovation platform / partner network
- New concepts and solutions for the use of underground space
- Driven by the industry («applied technologies»)
- Enabler / catalyst









Project stakeholders

SCAUT industry consortium

- Amberg Group (CH)
- AMP Aquaponic Management Project (FRA)
- Pacelum (GER)
- Hagerbach Test Gallery (CH)



















Main achievements

- Innovative way of the use of underground space
- Urban food security
- Reduction of the carbon footprint
- UN Global Goals for Sustainable Development
- Awareness campaigns







Outlook

- Industrial food production
- Different food applications
- Use of synergies with other underground applications











