

# Kick Off Meeting Fungi systems for a resilient Switzerland

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Swiss Food Research

8.9.2021

supported by

**AVINA**  
Avina Stiftung





# Kick Off Meeting Fungi systems for a resilient Switzerland

8. September, 2021

<b>13.00</b>	Register & Coffee & Snacks
<b>13.30 – 14.10</b>	Welcome & Introduction – P. Braun, Swiss Food Research
<b>14.10 – 14.35</b>	Presentation of a holistic approach – How Fungi can be used to produce food and feed - Food from Wood – Jürg Grunder, ZHAW
<b>14.35 – 15.00</b>	Presentation of ideas - Cécile Villiger, Christophe Bauer  Break & Networking
<b>15.30 – 16.15</b>	How fungi & fungal systems can help to build a sustainable Agro-Food System- Mark Stuettler, Tyroler Glückspilze & MRCA
<b>16.20 – 17.00</b>	Workshop & Discussion
<b>17.00 – 17.30</b>	Wrap-up – P. Braun, Swiss Food Research
<b>17.30</b>	Apéro

# Connecting Innovation Platforms & Tools in the Agro-Food Ecosystem

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# Swiss Food Research

« We drive impactful innovation with a holistic approach to a sustainable agro-food ecosystem.

## Association

- 160+ B2B Members consisting of research, companies, and start-ups
- Independent Swiss-wide & internationally active network
- Bridge-builder between all actors in the ecosystem
- since 2012:
  - 125 supported innovation projects,
  - 550'000+ CHF for direct project funding
  - 70% all funded/supported projects are continued

# Our attitude

**Passionate** about finding solutions for a holistic and sustainable future-oriented nutrition system

**Holistic approach** is the basis of our actions

**Sharing of state-of-the-art know-how** within our network

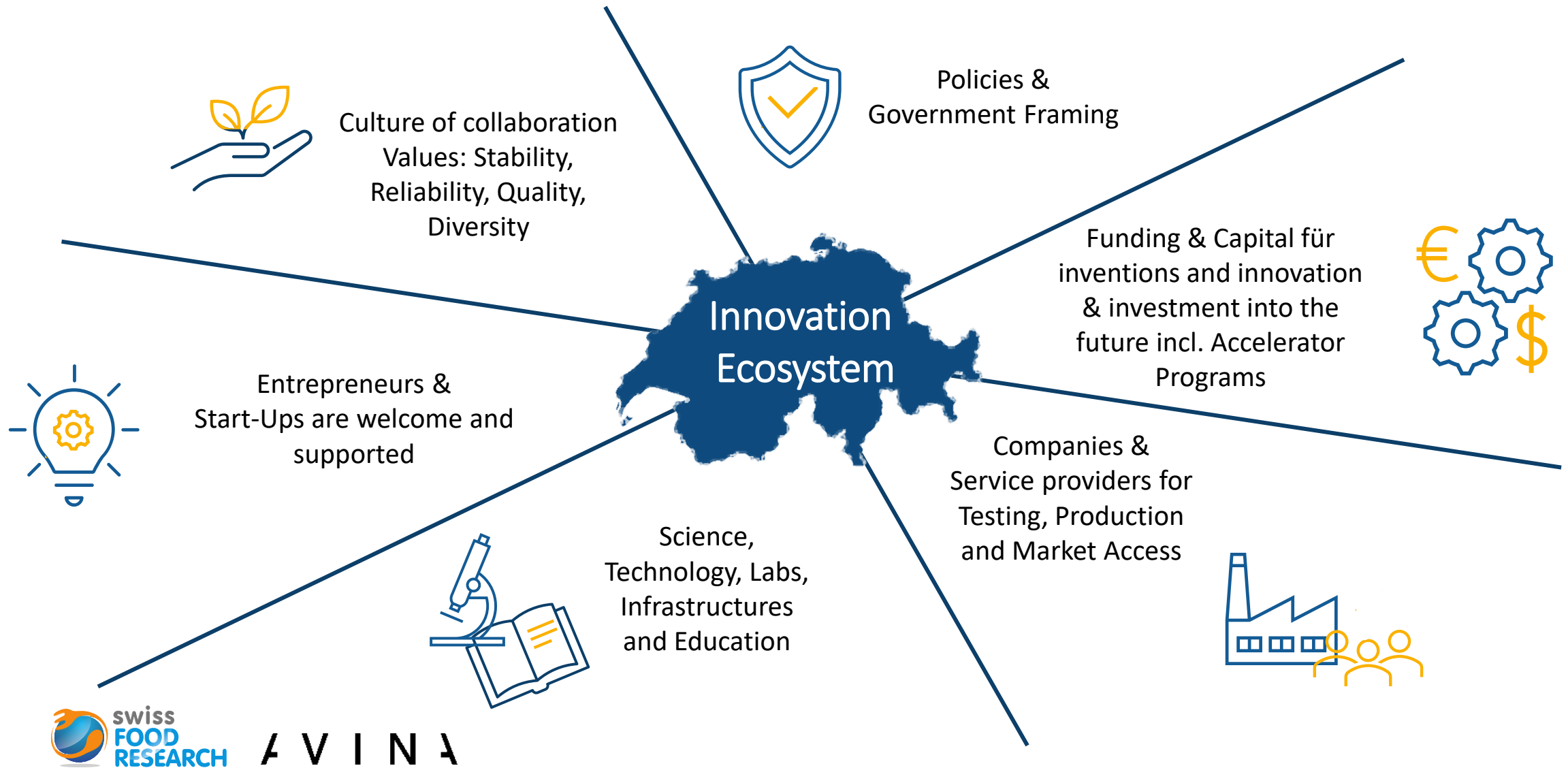
**Neutrality** as the basis for common action

**Confidentiality** in mutual respect of copyright, individual ideas and intellectual property



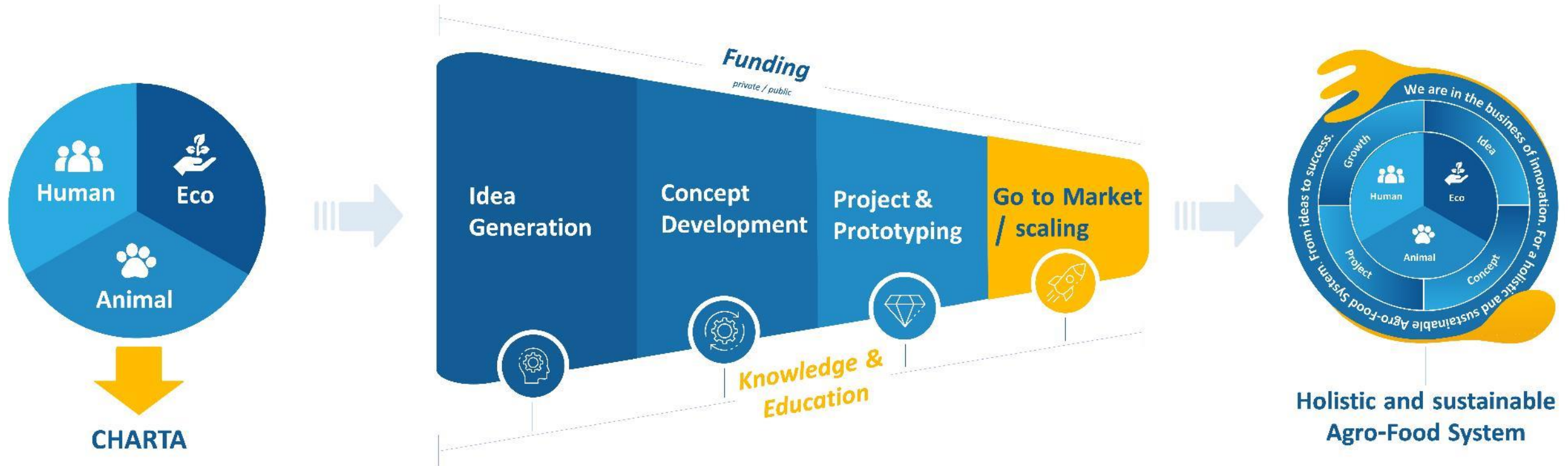


# Switzerland has a favourable innovation landscape



# For impactful innovation - platforms & open methods needed

From Idea to Success



# How do we (Swiss Food Research) see innovation and gaps



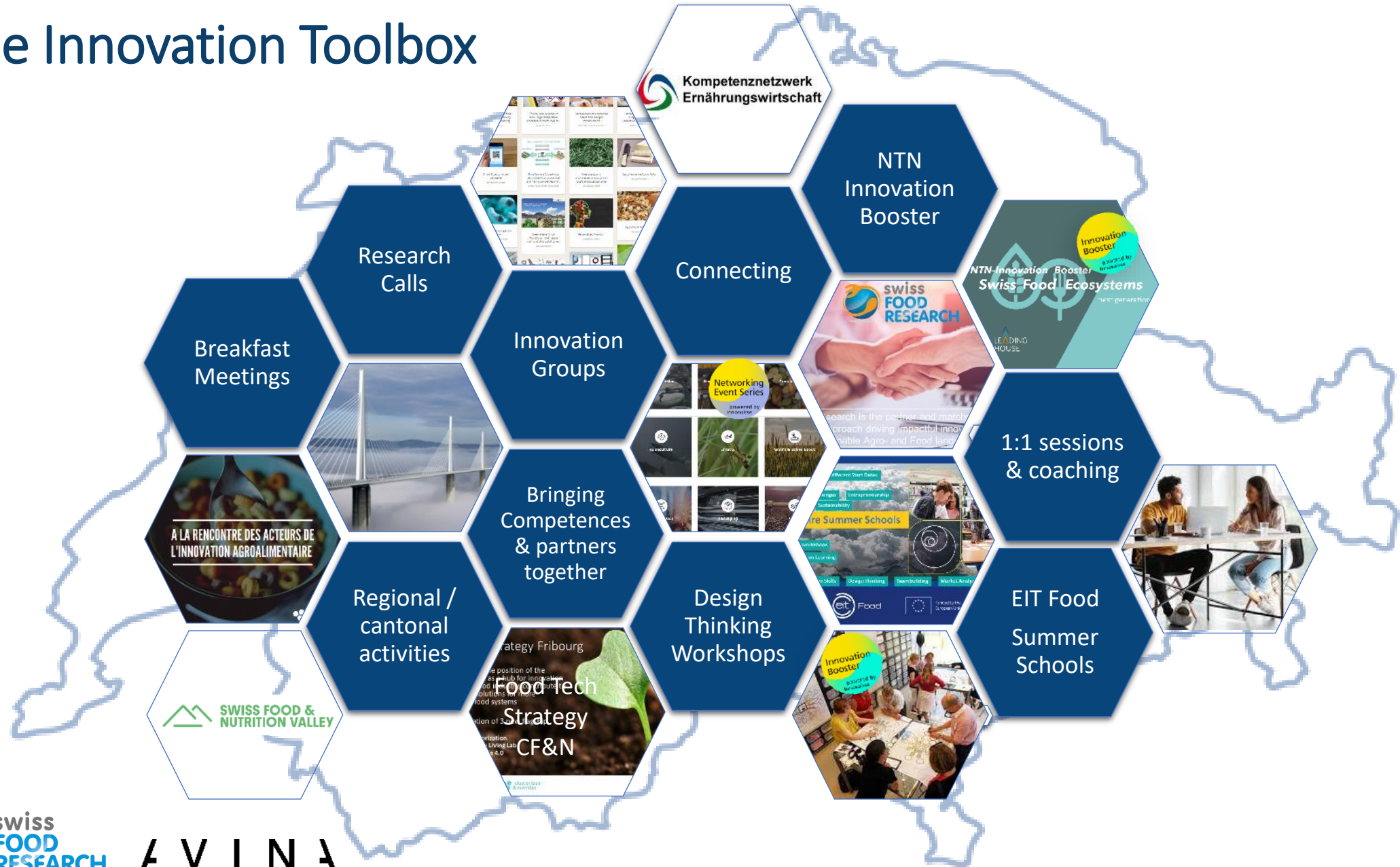
Overview of the pan-european ecosystem and developments

“Replicating, Reflect, and Improve”

...And beyond Europe



# The Innovation Toolbox



# How Ideas become Projects

Start Activity Explore Learn More

Log In Register

CAMPAIGN

Fungi systems for a resilient Switzerland

EVALUATION

## Ideation Phase

Campania Activity Ideas Team

Vitamin-D Food supplement out of fungi-waste

By M.Sc. Cécile Villiger

Vitalpilze als Lösung des Antibiotika-Problems

By Mark Stuetzler

Toward simple and sustainable methods for growing and introducing ne...

by Ph. D. Christophe Bauer and 1 other

So düngt die Natur sich selbst! Wie Pflanzen von Mykorrhiza-Pilzen profitieren...

By Mark Stuetzler

Pilzanbau als nachhaltige und ressourcenschonende Landwirtschaftsform

By Mark Stuetzler

Pilz-Kulturenbank Biodiversität schützen

By Mark Stuetzler

King Oyster Filet

By M.Sc. Cécile Villiger

Tyrolean Glückspilze® - Cold System Pilzanbau - Die technologische Revolution!...

By Mark Stuetzler

## Workshops applying Design Thinking



## Research Calls – work on your idea

Agro Food Innovation Network Networking Event Series Veranstaltungen User area

15.11.2020

Swiss Food Research CALL 2020

### Online Q&A Session:

08 June 2020 @17:15pm CEST

With Moderators & Co-moderators Members 2020

Carol Fenn, Luxembourg  
 David Erni, Switzerland  
 Christoph Demmig, DACH  
 Peter Bräun, Swiss Food Research  
 Martina Färber, Moderation

Swiss Food Research Call 2020 – Q&A session (YouTube)

Join us for the Swiss Food Research Call the 3rd day and watch the recording of the Q&A session on Zoom (08 June 2020, 17:15pm CEST). Applications for the 2020 call are open until the Swiss Food Research Call deadline (15 June 2020). For more information about the application in the Q&A section of the website (2020/06/08).

### Innovationgroups

<p>Upcoming event May 10, 2021</p>	<p>Upcoming event 20 preparation</p>	<p>Upcoming event 20 preparation</p>
<p>Upcoming event May 10, 2021</p>	<p>Upcoming event 20 preparation</p>	<p>Upcoming event June 13, 2021</p>
<p>Upcoming event 20 preparation</p>	<p>Upcoming event June 13, 2021</p>	<p>Upcoming event June 8, 2021</p>

### Networking Event Series - Swiss Food Research

powered by Innosuisse



# National Thematic Network - NTN Innovation booster «Swiss Food Ecosystems» 2021-2024 Innosuisse

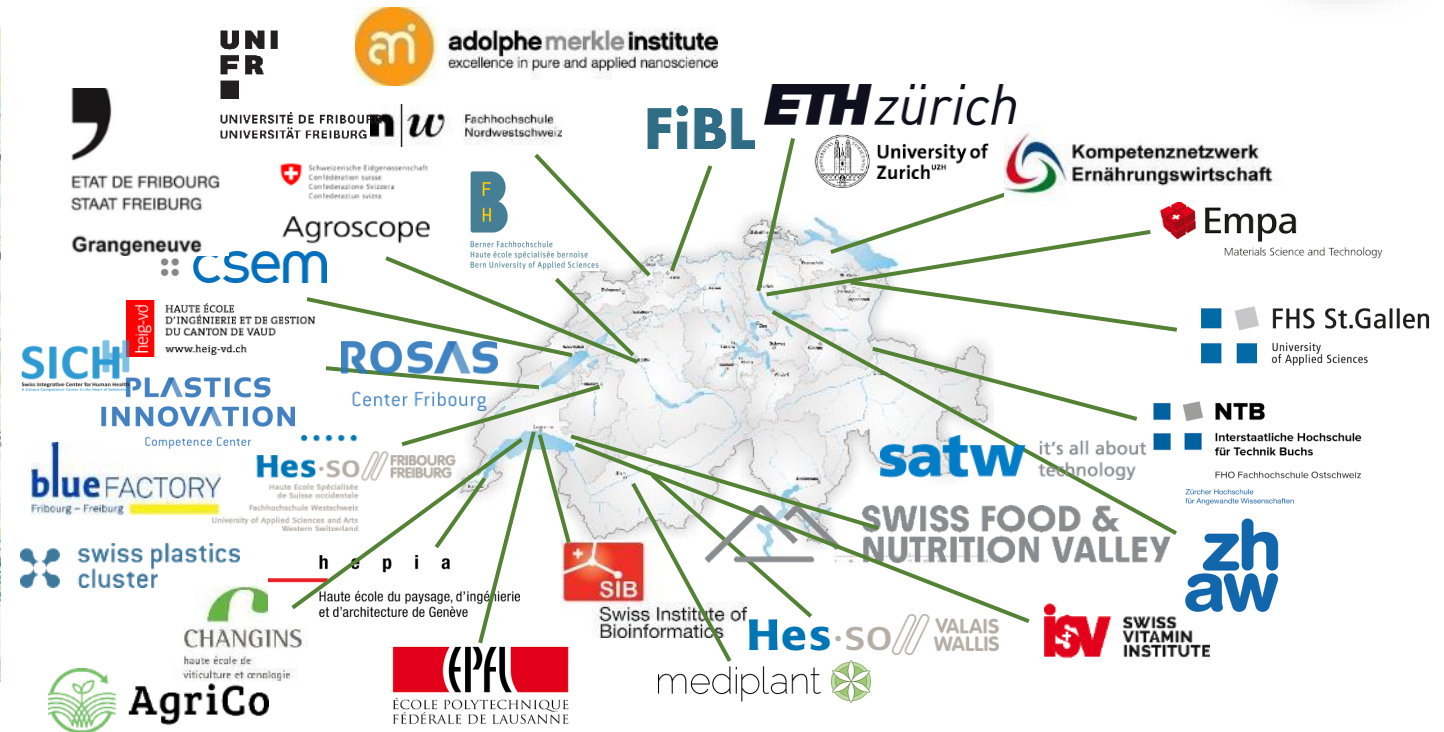
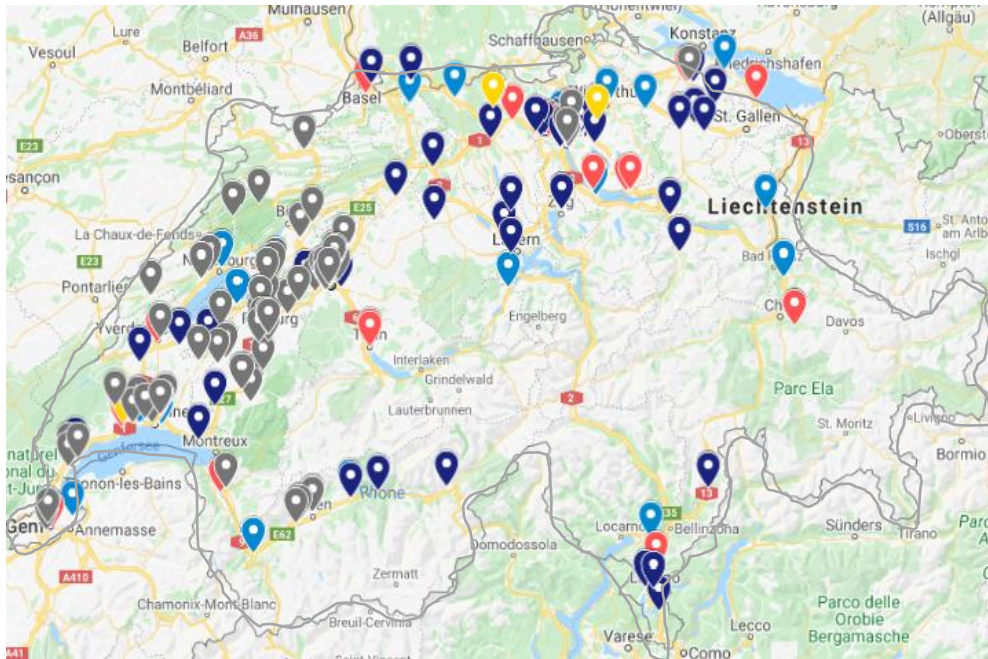
## *NTN-Innovation Booster Swiss Food Ecosystems*

next generation





# A nationwide coverage, a privileged link with our network of companies, academic institutions and interdisciplinary partners



More than 250 members all over Switzerland

# Swiss Food Ecosystems – our team



Peter Braun  
Co-manager



Nadine Lacroix Oggier  
Co-manager



Marina Helm  
Marketing



Grégory Grin  
Design Thinking expert



Joël Reinhard  
Project leader



Lucas Grob  
Project leader



# Our Assignment from Innosuisse

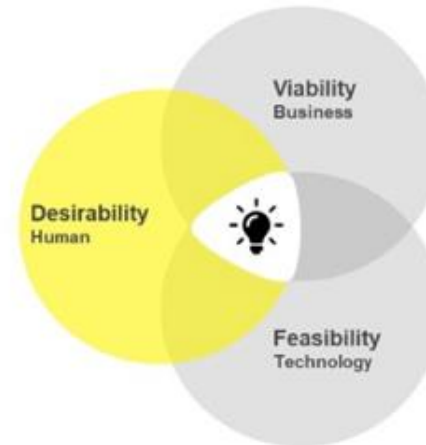
<https://innobooster.org>



NTN INNOVATION BOOSTERS  
WORKSHOP – RIS, SWITZ & MENTORS

## NTN INNOVATION BOOSTERS GOALS

- Create an open innovation culture
- Discuss future business areas
- Address customer needs from the start
- Work in interdisciplinary teams
- Develop verifiable innovation ideas
- Promote more radical ideas with funding



- Incremental ideas: improve existing products, processes or services
- Radical ideas: create new products, processes or services with new properties/form

**Expected outcome:**

- Support 600 novel innovation ideas
- Enable 200 radical follow-up projects



2021-2024

Additive  
Manufacturing

> More information

Blockchain Nation  
Switzerland

> More information

Energy Lab

> More information

Microtech

> More information

Sport & Physical  
Activity

Applied Circular  
Sustainability

> More information

Databooster

> More information

Living-Labs for  
Decarbonisation

> More information

Photonics

> More information

Swiss Food  
Ecosystems

> More information

User-Centred  
HealthTech

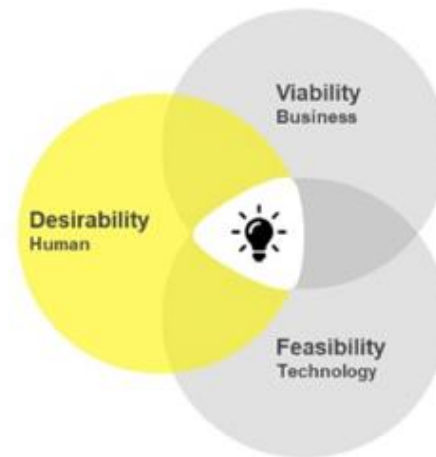
> More information

# Our mission from Innosuisse

NTN INNOVATION BOOSTERS  
WORKSHOP – RIS, SWITT & MENTORS

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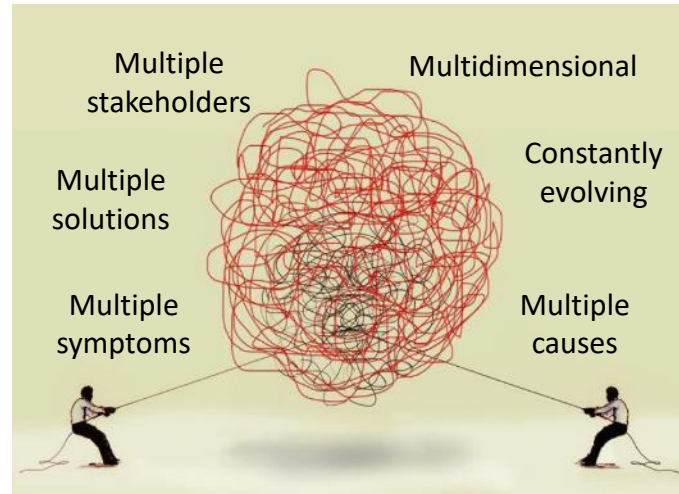
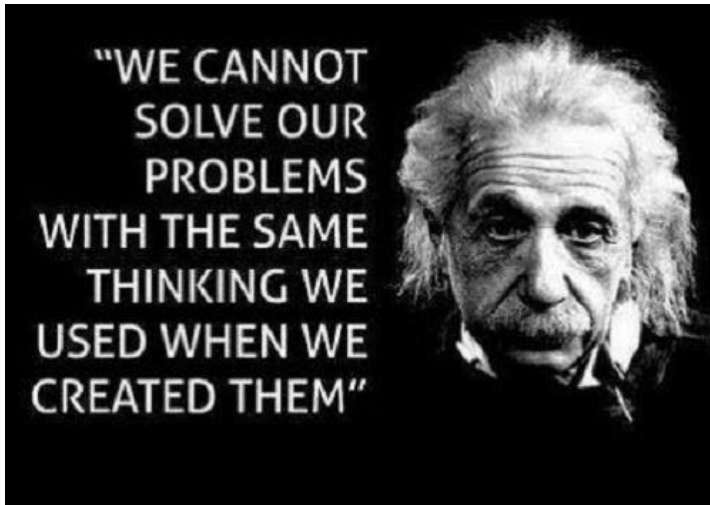
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**600 novel innovation ideas**  
**100 radical follow-up projects**



Innosuisse - Swiss Innovation Agency

# Innovation Booster ?



***Solutions for complex  
("wicked") problems  
require multidisciplinary  
& new approaches***

- Encourage and support the emergence of **radical innovation** & breakthrough solutions to solve “wicked problems” for which there is no easy solution
  - New approaches for the food ecosystems
  - Change of mindset required !
  - Holistic and collaborative approach; the entire value chain is involved
- We will do this by means of **Open innovation**, Agile and Human Centered Tools such as **Design Thinking**, collaborative & multidisciplinary teams

# Our 3-step process

A unique way of supporting the creation of innovation teams and radical innovation ideas



## Ideation phase

**Ideation campaigns - a platform dedicated to open innovation**

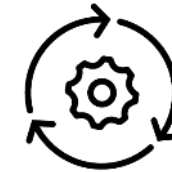
- ✓ Submit your idea/challenge on the platform and start interacting with the community
- ✓ Benefit from exposure to the ecosystem and experts
- ✓ For some campaigns, ideas can receive funding



## Exploration phase

**Design Thinking Workshops with a customer-oriented approach**

- ✓ Experiment agile tools and methodologies
  - ✓ Work in teams with interdisciplinary partners
- ✓ Validate your prototypes with end users
- ✓ Winners receive up to CHF 20'000 + mentoring hours



## Continuation phase

**A dedicated support, the beginning of your journey !**

- ✓ Additional funding (Innosuisse, NPR, others)
- ✓ Access to makerspaces, labs, pilot plant...
- ✓ Access to various expertises and skills
- ✓ Individual Design Thinking workshops
- ✓ Other types of support based on your needs

# An initiative open to all !



- The opportunity to test open and collaborative innovation and human-centered methodologies - access direct funding - a different way to innovate
- **Companies and private actors:** Submit a problem, a challenge you face that requires a collaborative and transdisciplinary approach; solicit the contribution of a whole community and collective intelligence
- **Academics, startups, entrepreneurs, students:** Submit ideas and concepts that you would like to scale with partners
- Develop these ideas in multidisciplinary teams through our collaborative Design Thinking workshops (offered in a protected environment- IP)



# Ideation platform & thematic campaigns

<https://innobooster.org>



## Smart Nutrition

How might we promote a healthier, more targeted, individualized and sustainable diet that would be accessible to all ?

submit your idea



## Digitalization & Agriculture

How might field robots be used to optimize agricultural production?

submit your idea



## Fungi 2.0

How might (novel) "fungi systems" be used to shape a more sustainable and healthier agro-food system?

submit your idea



## Open Challenge

How might we improve the Agro Food Ecosystem to for a better world?

submit your idea

# Design Thinking Workshops

Innovate differently, understand your customers' needs, access direct funding 20k

[www.swissfoodecosystems.ch](http://www.swissfoodecosystems.ch)

We strive to push  
Innovation forward for  
the better of the Agro  
Food System within and  
beyond Switzerland

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# Thank you for your attention

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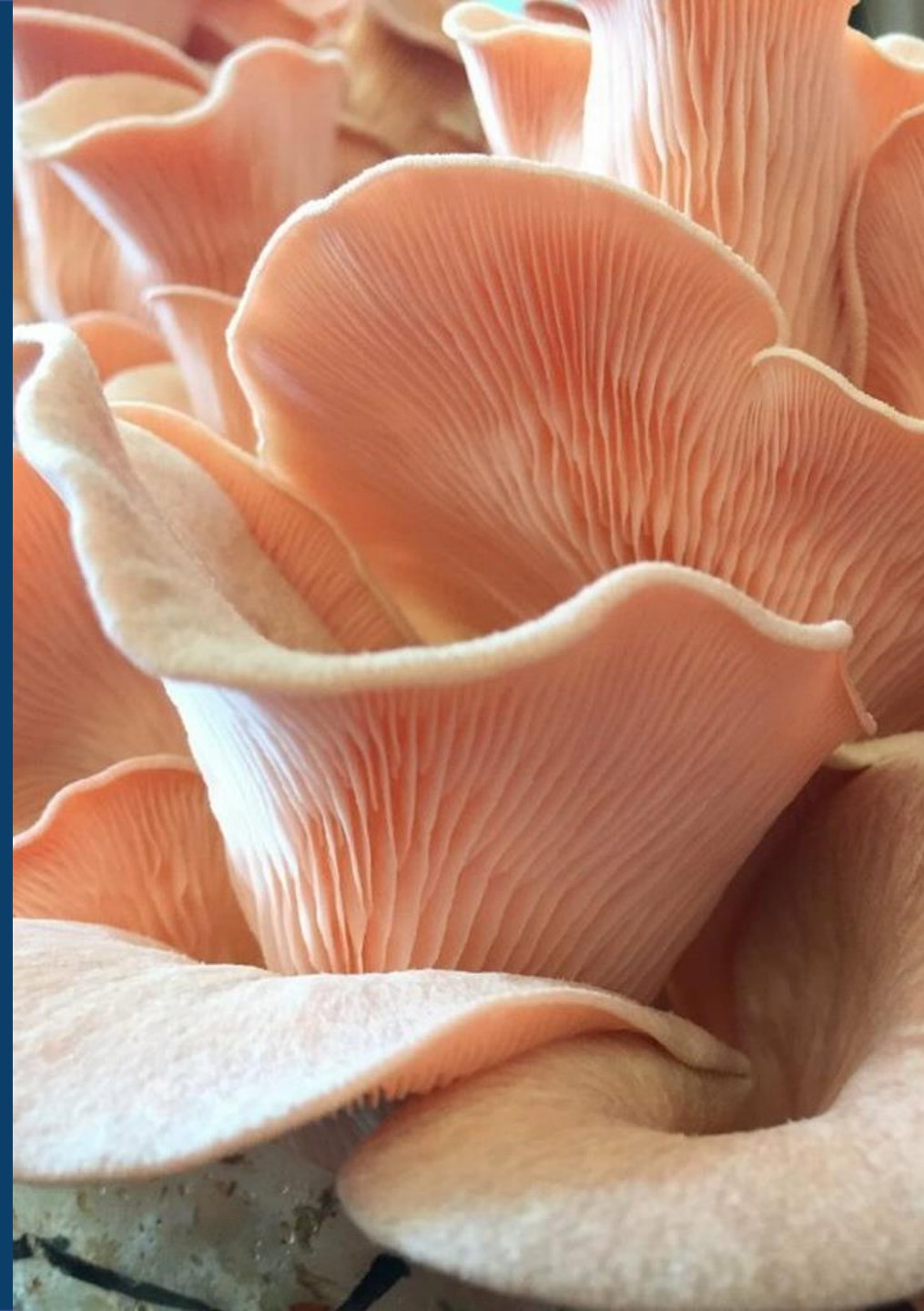
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# Workshop & Discussion

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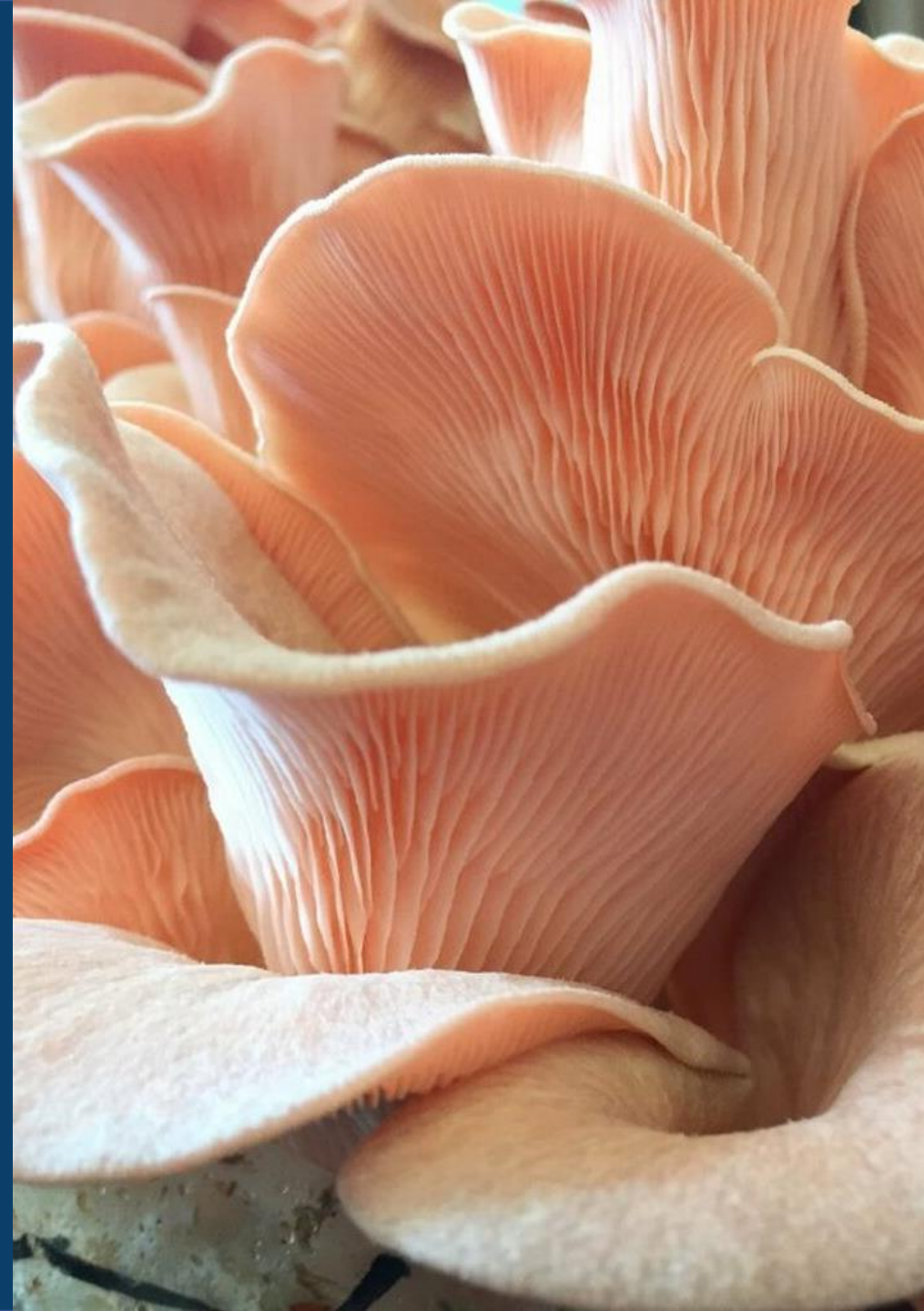
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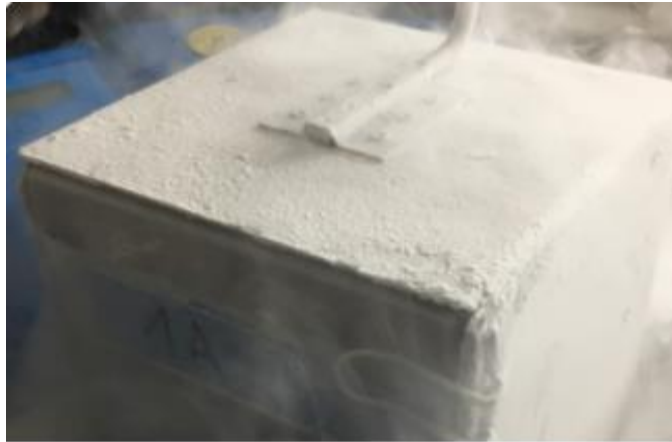
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# Workshop & Discussion



In which areas can fungi & fungal systems be used?



What are the barriers to a wider use of fungi & fungal systems in the Agro-Food Segment?



What is necessary to boost the use of fungi & fungal systems in the Agro-Food segment?



# Workshop

## Fungi systems for a resilient Switzerland

8. September, 2021

16:20	Group formation
16:25	Each Group - Quick Intro Round
16:30 – 16:40	Idea collection – in silent mode or in discussion
16:40 – 16:55	Brief Presentation of ideas & discussion
16:55 – 17:00	Prepare for summary presentation
17:00 – 17:10	Each group presents their findings
17:10 – 17:30	Wrap-up – P. Braun, Swiss Food Research
17.30	Apéro