

Schweizerische Gesellschaft für Pflanzenbauwissenschaften
Société Suisse d'Agronomie
Società Svizzera di Agronomia
Swiss Society of Agronomy



SGPWSSA



Innovation and technology for horticultural crops

32. annual meeting of the Swiss Society of Agronomy

Thursday, 3 April 2025, HES-SO Valais-Wallis, Rue de l'Industrie 21, 1950 Sion; Agroscope,
Route des Eterpys 18, 1964 Conthey

Horticultural crops provide unique nutritional benefits and play an important role in human health. They also contribute to agricultural biodiversity and are often niche products with high added value. As the demand for specific, high-quality and environmentally-friendly products continues to grow, innovation is more necessary than ever to meet these requirements. Agricultural research plays a key role in the development and sustainability of farming systems, especially in the face of the challenges posed by climate change. Today's lectures will explore how modern technologies can transform these crops to make them resilient while keeping them economically attractive, with a focus on precision farming, integrated management and the breeding of new varieties. We will also see how digitalisation and the use of data can help farmers to optimise their practices. Together, we will discover innovative solutions to ensure the prosperity of horticultural crops and meet the growing needs of sustainable and resilient agriculture.

Programm - Programme - Program

HES-SO Sion

08:45 - 09:15 **Registrierung und Kaffee - Enregistrement et café - Registration and coffee**

09:15 - 09:20 **Eröffnung wissenschaftliche Tagung - Ouverture de la réunion scientifique - Opening of the scientific meeting**
Katja Jacot, Präsidentin SGPW

Übersichtsreferate - Exposés généraux - Keynotes

09:20 - 09:40 **Current and future strategies and tools to breed resistant apple cultivars**
Andrea Patocchi, Agroscope

09:40 - 10:00 **LIDO - the digital apple orchard of the future**
Walter Guerra, Laimburg Research Station, Italy

10:00 - 10:20 **How AI- and robotics-driven innovations will shape the future of berry production**
Josie Hughes, EPFL

10:20 - 10:40 **Pause**

10:40 - 11:00 **Biocontrôle en cultures spéciales : état des pratiques et perspectives de la recherche**
Samuel Stüssi, Andermatt Biocontrol

Aktuelle Forschungsprojekte - Projets de recherche actuels - Current research projects

11:00 - 12:00 **Flashpräsentationen à 3 Min. - Présentations flash de 3 min. - Flash presentations of 3 min.**

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12:00 - 12:30 **Busfahrt nach Contthey - Trajet en bus pour Contthey - Bus trip to Contthey + Lunch**

Programm - Programme - Program

Agroscope Conthey

12:30 - 13:30 **Diskussion mit Autor:innen - Discussion avec les auteurs - Discussion with the authors**

13:30 - 14:00 **Mitgliederversammlung - Assemblée générale - General assembly**

Besuch der Agroscope-Versuche in Conthey - Visite des essais Agroscope à Conthey - Visit of Agroscope trials in Conthey

14:00 - 14:20 **Beeren und Medizinalpflanzen - Baies et plantes médicinales – Berries and Medicinal plants**
Louis Sutter, Agroscope

14:20 - 14:40 **Obstbau – Arboriculture – Fruit production**
Danilo Christen, Agroscope

14:40 - 15:00 **Gewächshauskulturen - Cultures sous serre – Greenhouse crops**
Cédric Camps, Agroscope

15:00 - 15:50 **Weinbau und Verkostung von neuen Rebsorten - Viticulture et dégustation des nouveaux cépages – Viticulture and tasting of new grape varieties**
Vivian Zuffrey, Agroscope

15:50 - 16:00 **Synthese - Synthèse - Summary**

16:00 **Ende der Tagung - Fin de la réunion - End of meeting**

Registration

Until 07 March 2025 at <https://sgpw-ssa.clubdesk.com/anmeldungSGPW2025>.

Fee (payable by invoice after the event) 60 CHF (SGPW-SSA members), 80 CHF (non-members), 40 CHF (students)

Submission of contributions

We would like to invite **all researchers in the field of plant sciences** to present their project in a **3-minute flash presentation**. During the lunch break there will also be a discussion with the authors (please bring 2 slides printed on A3). Contributions can be submitted with a 1-2 page summary by **27. Januar 2025** (link upon registration or directly here: <https://sgpw-ssa.clubdesk.com/anmeldungBeitrag2025>). Language of the contributions: D, F, E. Doctoral students who present their research project are exempt from the conference fee.

Arrival

The conference will take place at HES-SO Valais-Wallis (Rue de l'Industrie 21, 1950 Sion) and at Agroscope Conthey (Route des Eterpys 18, 1964 Conthey).

HES SO Sion (Rue de l'Industrie 23 Nord, 1950 Sion.)

Train: Sion main station. Walk along the rail tracks (10 Min.) **Car:** No parking at HES SO, parking du Scex (10 Min. by foot)



