



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAER

Agroscope

EUFRIN Board Meeting 2016

Country Report Switzerland /

Agroscope with regard to EUFRIN:

Selected issues 2016

Lukas Bertschinger, Catherine Baroffio, Robert Baur, Christoph Carlen, Danilo Christen, Andreas Naef

Brussels, 10. 11. 2016

www.agroscope.ch | good food, healthy environment



Country report Switzerland / Agroscope

Major issues related with the fruit & berry production 2016

- How to **combat SWD** in berries, cherries, plums and apricots without residues on fruits and with a good fruit quality



Dominique
Mazzi

www.drosophilasuzukii.agroscope.ch

- **National action plan** to reduce the risk linked to pesticides becomes operative in 2017 → NGOs launched a campaign on risk of pesticide use, tv-programs focussing on fruit production



Country report Switzerland / Agroscope

Participation of Agroscope 2016 in EUFRIN Working Groups and EUFRIN-meetings

- EUFRIN WG Fruit thinning: meeting in Porto (3.-5.3.2016, [Thomas Kuster](#))
- EUFRUIT WP2: meeting in Bologna (27.6.-28.6.2016, [Sarah Perren](#)), incl. Discussion of common rootstock trial)
- EUFRIN WG Minimizing residues / EUFRUIT WP 3: meeting in Jork DE(24.-26.3.2016, [Andreas Naef](#))
- EUFRUIT WP4: meeting in Leuven BE (25.26.5.2016, [Andreas Bühlmann](#))
- EUFRUIT WP5: meeting in Tiel NL (31.5.-1.6.2016, [Thomas Kuster](#))
- EUFRIN DSS WG: [Dominique Mazzi](#)



Country report Switzerland / Agroscope

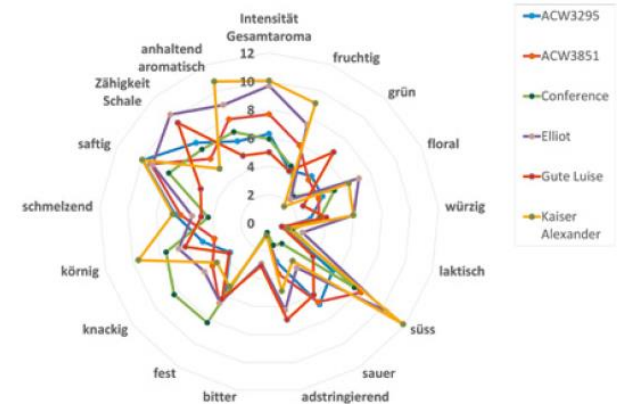
Selected R&D activities 2016 in pome, stone and berry fruits

- Remote sensing measurements and development of alternative methods to assess the water status of the soil and of the apples trees
- Evaluation of disease resistant/tolerant apricot, apple and pear cultivars
- Economic evaluation of low-residue apple production systems



ACW 3851
(Harrow Sweet x Verdi)

Maturité: 7 septembre 2010
8 kg en 2008, 9 kg en 2009
Calibre moyen
Conique
Couleur jaune-vert, blush rouge vif
Pas de roussissure (un peu en 2010)
Chair croquante un peu grossière,
très juteuse et moyennement aromatique





Country report Switzerland / Agroscope

Selected R&D activities 2016 in pome, stone and berry fruits

- Optimizing the soilless production in berries (type of substrate (sheep wool instead of pet...), pot design, water reduction)



- Developing methods to evaluate the soil borne pathogens
- Development of methods to evaluate the apricot susceptibility against *Pseudomonas syringae syringae* and *Monilinia laxa*



Country report Switzerland / Agroscope

Selected R&D activities 2016 in pome, stone and berry fruits

- Several strategy trials on **up-coming pests and diseases of stone and pome fruits** (e.g. *Marssonina coronaria*, Apple mining moth), often resulting from extensive spray programs and loss of broad spectrum pesticides
- **Fruit thinning** trials with Brevis (apple, pear / modelling group) and ATS (cherry)
- **Variety and rootstock testing** of apple and pears, planning of international joint rootstock (apple) trial
- **Effects of side nets** on beneficials, microclimate and physiology
- Evaluation of variety susceptibilities and chemical strategies to control **fire blight** with artificial infections in a biosafety orchard - protected field site



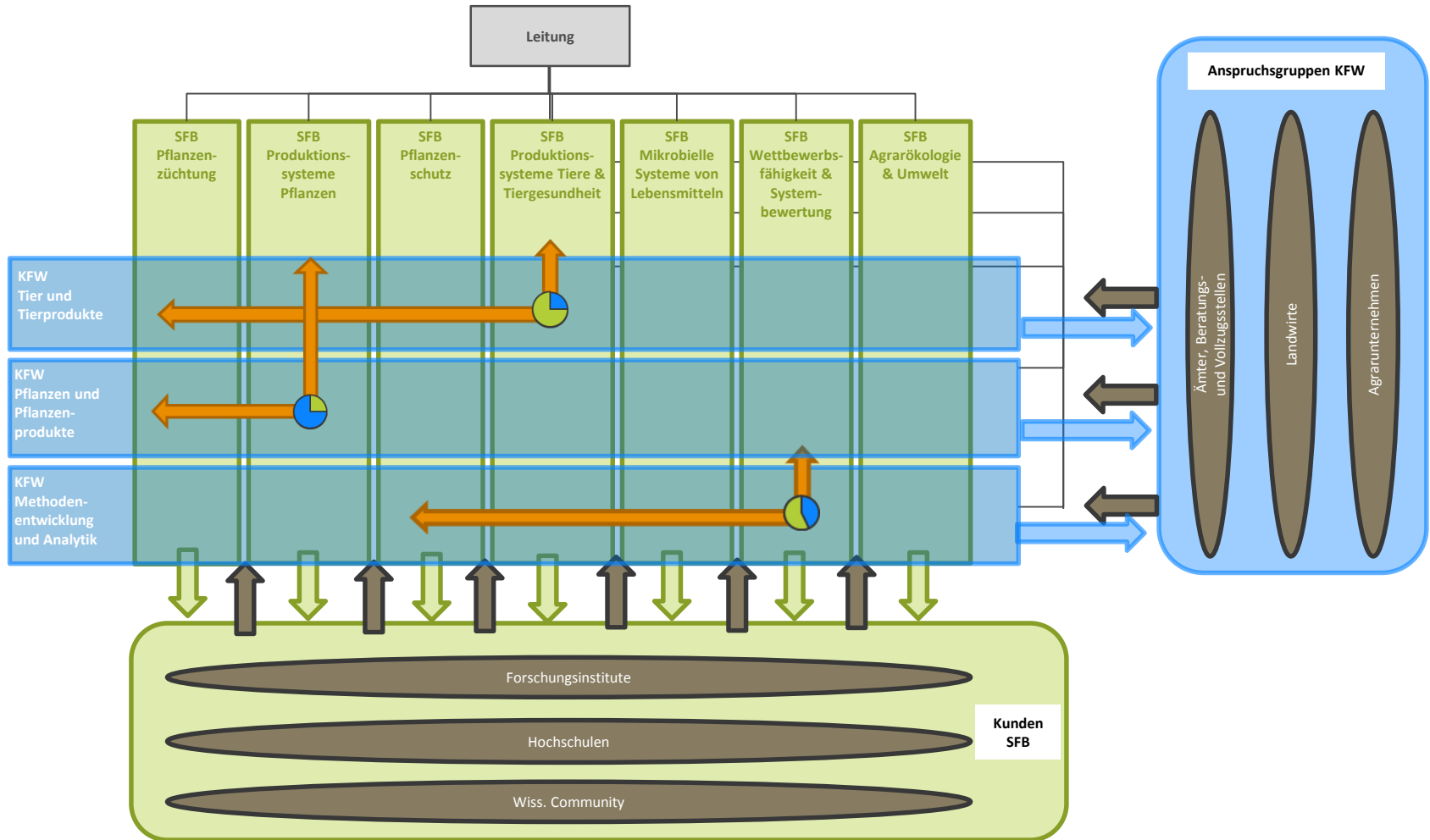
Country report Switzerland / Agroscope

Special collaborations and events

- **C-IPM project accepted 2016-2018:** UNIFORCE: Unification of IPM forces to control mites in berries, soft fruits and woody ornamentals (coordinator: PCS, Be)
- **C-IPM project proposal:** COMBATSU: combined alternative control techniques for integrated pest management (IPM) of *Drosophila suzukii* (Coordinator: PCfruit, Be)
- **Interreg V-Project** accepted: model orchards on sustainable fruit production systems together with advisory services, research stations and producers in the Lake of Constance region
- **EUFRUIT:** participation in international WP-meetings, national network group (OG), upload of swiss documents on the knowledge exchange platform (KP)



New Agroscope



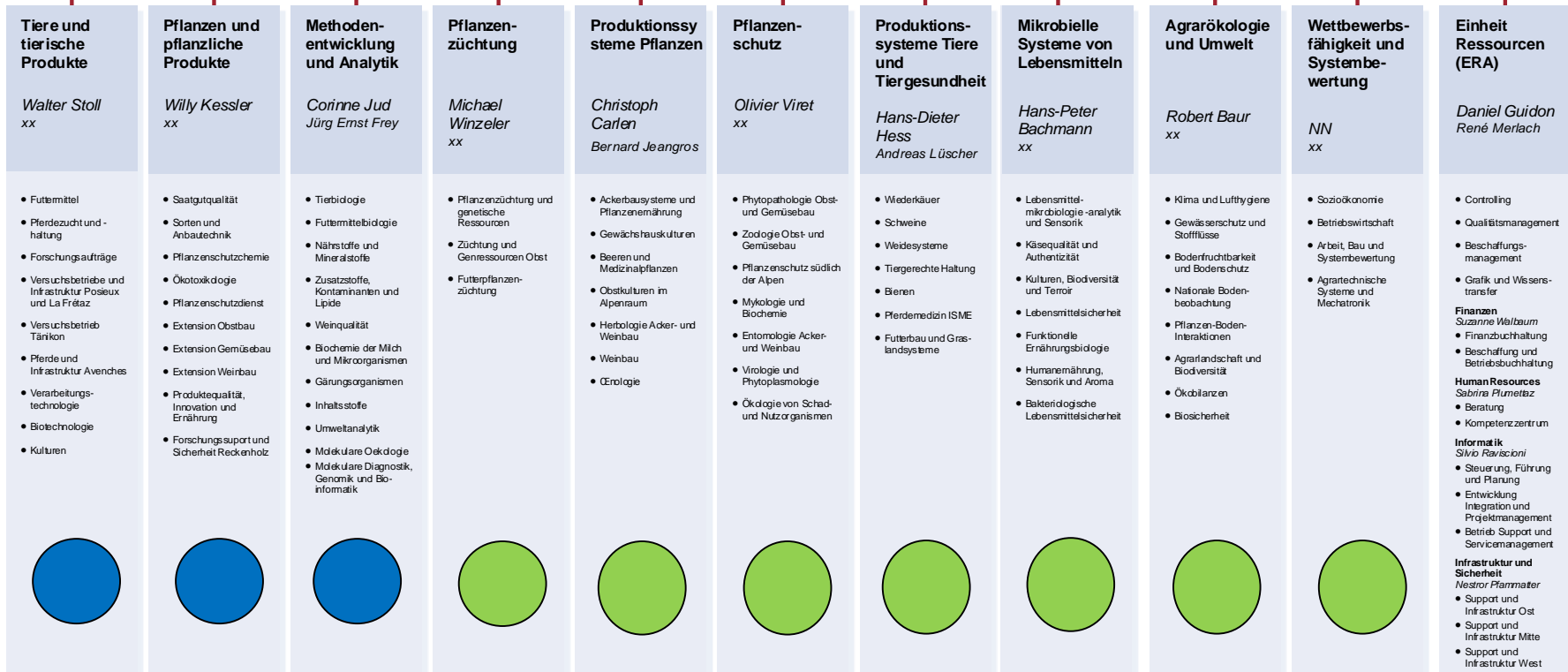
Agroscope-Rat

Agroscope
Michael Gysi

Corporate Strategy (CSA)
Michael Weber

Corporate Communication (CCA)
Christine Caron-Wickli

Stand: Juli 2016





New Agroscope representatives to the EUFRIN board by 2017



Christoph Carlen



Andreas Naef

**My future – yet open – perspectives exist –
will inform as soon as appropriate**

Icipe - insect science for food and health –
insect science for Africa



Governing Council meeting Nov. 2016, Nairobi
Bertschinger elected Chairperson 2017-19

Thank you for all these years of great collaboration and friendship !

The House of Quality and the Vasco da Gama process - A great example of collaboration with unforgettable moments

Inspired by Don Vasco da Gama: Why Build a House of Quality for Applied Fruit Research?

Lukas Bertschinger¹, Luca Corelli Grappadelli², Sharon Hall³, Ivo van der Lans⁴, Alex van Schaik⁴, Karin Zimmermann⁴

¹ *Agroscope Changins-Wädenswil Research Station ACW, Schloss 1, PO Box, 8820 Wädenswil, Switzerland*

² *Department of Agricultural Sciences, University of Bologna, Italy*

³ *Potato Council-AHDB, Stoneleigh Park, Kenilworth, Warwickshire, CV8 2TL, UK*

⁴ *Wageningen University Research – LEI, Wageningen, The Netherlands*

A glimps of how it was ...

There were moments when we regretted committing to this, since the whole Vasco da Gama-process was superimposed on all other duties. All were absorbed by other important things, may it be another ISAFRUIT activity, other projects or, not least, holidays for not losing self esteem and the care of family and friends. The moment had come when the article had to be submitted. However, the author team was dispersed across Europe and difficult to contact. There were still many open questions referring to the draft of the paper which needed to be addressed and answered. One e-mail of our Italian Vasco da Gama-team member at that time was: “I feel like we are really writing the script for a Bond movie with this criss-crossing of messages over Europe of ours! It’s really getting to the exciting part now: Lukas is in Northern Italy by way of a bike (sorry, no more Aston Martins, we must improve sustainability!!) through a remote mountain pass to avoid being caught by the ominous deadlines set by the journal’s editor (who must be our foe, not because we don’t like him, but it’s one of those twists of life!), and is doing so while remarkably reading mails, while Sharon (our Bond Girl of the occasion) is raising smoke curtains by flying to Denmark with a clear ISAFRUIT cover. Ivo was busy in The Netherlands and here Lukas felt he had to do something!!!” So, the Vasco da Gama-team became part of a James Bond movie, and we would certainly win the battle against the bad guy. Such a story might seem irrelevant in this context, but it is not. It reflects one aspect of the fun factor and team spirit behind the process, which was needed to bring the process forward. Miraculously, the article was finalized and eventually published (Bertschinger et al., 2009).

