



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of Economic Affairs FDEA

**Agroscope**

# Agroscope

## The Agricultural Research Stations of the Swiss Confederation



# Vision

**Agriculture for man and the environment:**  
We carry out research in favour of healthy food  
and a landscape worth living in.



# Aims of Agroscope

In agricultural research, we are the driving force for a sustainable development in the agricultural, food and environmental sectors for Switzerland and for the alpine space.

## **Sustainability targets:**

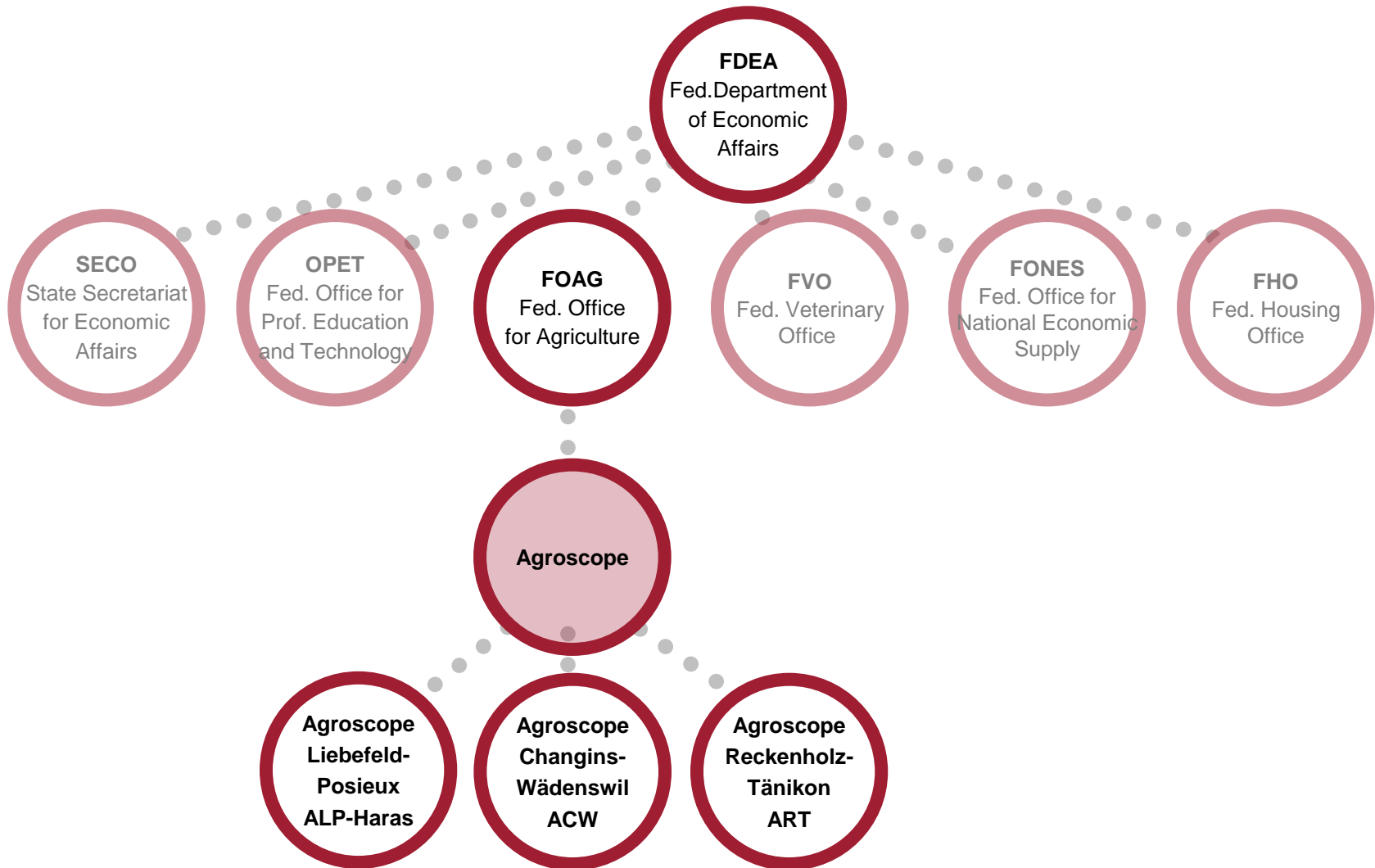
The agricultural sector should develop

- economically efficient
- ecologically and ethologically responsible
- and socially acceptable

## **Process targets:**

- Early recognition of relevant social, economic and agricultural topics
- Problem-oriented system research
- Communication und knowledge management

# Agroscope within the Federal Administration

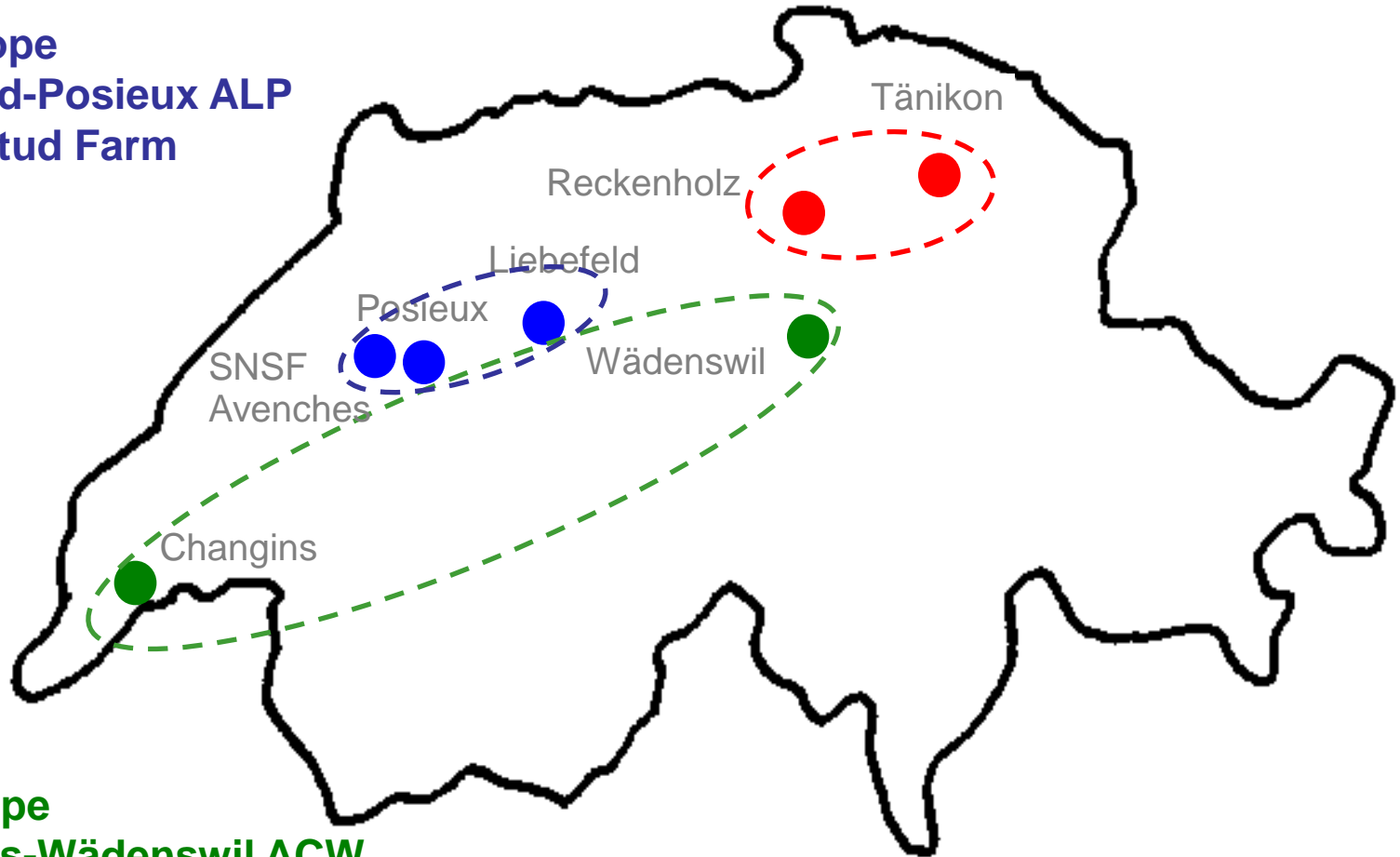




# Location of the Agricultural Research Stations

Agroscope  
Reckenholz-Tänikon ART

Agroscope  
Liebefeld-Posieux ALP  
Swiss Stud Farm



Agroscope  
Changins-Wädenswil ACW



# Agroscope Changins-Wädenswil Research Station ACW



## **Main focus**

Field and fodder crops  
Fruit growing, viticulture, horticulture  
and ornamental crops  
Berries, medicinal and aromatic crops  
Quality, safety, processing and storage  
of food of vegetable origin



# Agroscope Liebefeld-Posieux Research Station ALP

ALP is part of the ALP-Haras Unit



## Main focus

Milk and meat production

Milk and meat processing

Safety and quality  
of food of animal origin

To support the conservation and promotion  
of the franchises-montagnes breed



# Agroscope Reckenholz-Tänikon Research Station ART



## Main focus

Natural resources and agriculture

Grassland systems and  
arable farming systems

Biodiversity and  
environmental management

Organic farming

Agricultural economics

Agricultural engineering

Proper housing of ruminants and pigs





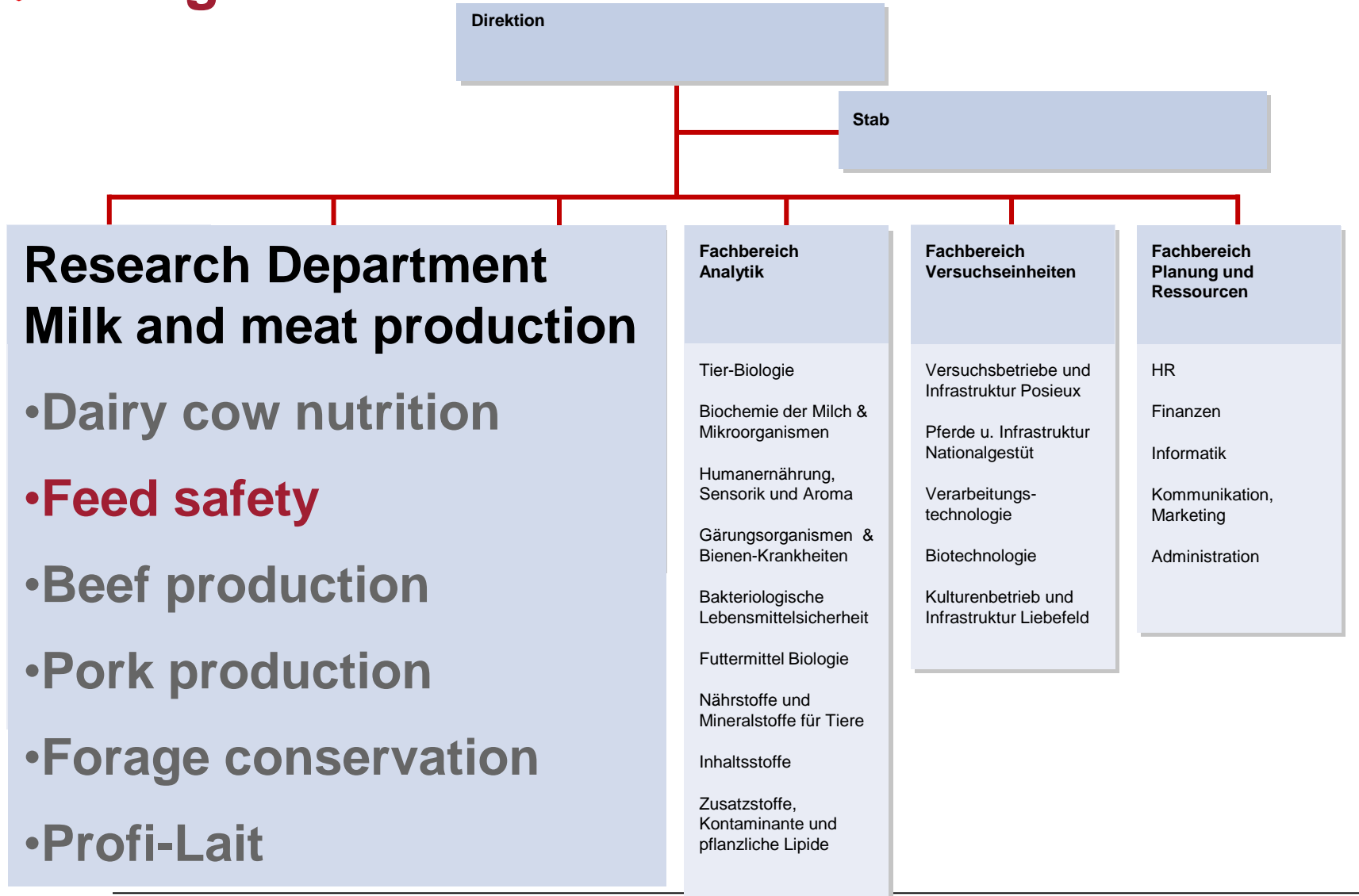
# Agroscope Key Figures (2010)

• Functional expenditure <sup>1)</sup>	168.3 Mio. CHF
• Investment expenditure <sup>1)</sup>	4.0 Mio. CHF
• Functional earnings <sup>1)</sup>	10.7 Mio. CHF
• Outside funding for research <sup>1)</sup>	16.3 Mio. CHF
• Employees	923 people
• Percentage of women	42.9 %
• Apprentices	11.5 %
• Publications	1651
• Lectures at universities	4228

<sup>1)</sup> State account



# Organisation





# Official feed inspection: responsibilities and objectives

- The official feed inspection is the **first control** step along the **food chain**.
- Assurance that feeds are **safe and compliant** with the regulations.
- Protection of the **health of humans, animals and the environment**.





# Resources



Ms Céline  
Clément



# Resources

- Head of the group of feed safety [100%]
- 3 inspectors for feed for farm animals (inspection of production sites and sampling) [250%]
- 1 expert for the control of products and the approval of new feed materials [100%]
- 1 inspector for pet food (inspection of production sites, sampling and the control of products) and approval of new feed additives [100%]

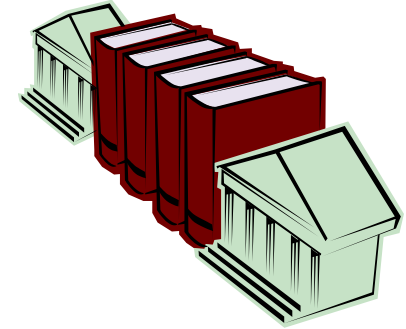


# Resources

- Analytical support and financial resources for analyzing:
  - 1200 samples of feed for farm animals
  - 200 samples of pet food



# Legal provisions



- Federal law on agriculture; 29.04.1988 (**Landwirtschaftsgesetz** LwG, SR 910.1).
- Regulation of the Federal Council on the production and the placing on the market of feeds, 26.10.2011 (**Futtermittel-Verordnung** FMV, SR 916.307).
- Regulation of the Federal Department of Economic Affairs on the production and the placing on the market of feeds, feed additives and dietary feeds; 26.10.2011 (**Futtermittelbuch-Verordnung** FMBV, SR 916.307.1) with annexes.



# Official control system



- **Registration and/or approval of companies**, which produce, place on the market or import feeds.
- **Inspection of companies**, which produce, place on the market or import feeds.
- **Control of feeds** for farm animals and pets.
- **Approval of new feed materials and additives** for farm animals and pets.





# Official control system



The selection of the **companies to be inspected** (type and frequency of inspections) is **based on risks** (production volume, type of activities and history of the companies).

A large number of points are inspected (documentation, facilities, equipments, hygiene etc.) following a checklist and in most cases **feeds** and feed materials are **sampled**.



# Official control system





# Official control system

- **Nutrients**

Crude protein, crude fiber, crude fat, ash, starch, sugar, amino acids, minerals

- **Additives**

Vitamins, trace elements, enzymes, microorganisms (probiotics)

- **Illegal or undesired substances**

Antibiotics

Dioxins

Heavy metals

Animal proteins

Melamine, Aflatoxin B1

Salmonella

Ambrosia...

- **GMO**





# Enforcement power

## Control of products

- **Compliant**  
Declaration complete and correct, ingredients and contents in accordance with the regulations. [CHF 70.-]
- **Slightly non-compliant**  
Declaration incomplete, contents are not correctly declared but **within the official tolerance** and in accordance with the composition (ingredients) of the feed. [**financial consequences**]
- **Non-compliant**  
Deviations exceeding the official tolerance, declared additives missing, presence of illegal or undesired substances → **financial consequences** depending on the severity of the case.



# Enforcement power

## Administrative measures

- **Financial consequences**  
up to the total revenue obtained from producing, placing on the market or importing non-compliant feed.
- **Destruction of non-compliant feed**
- **Revocation of the approval and/or registration of the company**

## Criminal complaint

- Negligence → up to CHF 10'000.-
- Intent → up to CHF 40'000.- or imprisonment of up to 3 years



# Results 2011

• Registered and/or approved companies	981 NT <sup>1</sup> 243 HT <sup>2</sup>
• Inspections made:	355
• Inspected firms:	323
• Analysed samples:	1209 NT <sup>1</sup> 202 HT <sup>2</sup>

<sup>1</sup>NT = food-prod. animals

<sup>2</sup>HT = petfood



# Results 2011

- Feed for food-prod. animals
  - non-compliant 21.0%
  - with minor non-compliances 23.2%
  
- Petfood
  - non-compliant 21.5%
  - with minor non-compliances 31.0%



# Results 2011

## Special surveys

- Dioxins 81 samples analysed
- Coccidiostatica 10 firms inspected  
20 samples analysed  
(including antibiotic-screening)
- Pesticides 28 samples analysed







# Conclusion

- Feed in Switzerland is safe
- Number of non-compliances is decreasing
- Human and animal health are not endangered
- ...but controls have to be continued

**Thank you for  
your attention!**

