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My Agro Food Network



Agriculture in Switzerland

- ❖ **Swiss Agriculture**
- ❖ **Swiss Consumer / Agricultural Policy**
- ❖ **Agricultural Knowledge and Innovation System**

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Swiss Association of Agronomists and Food Scientists

CEDIA, Belfast, : 2013-02-14



Swiss Agriculture

Agriculture in Switzerland





Swiss Agriculture

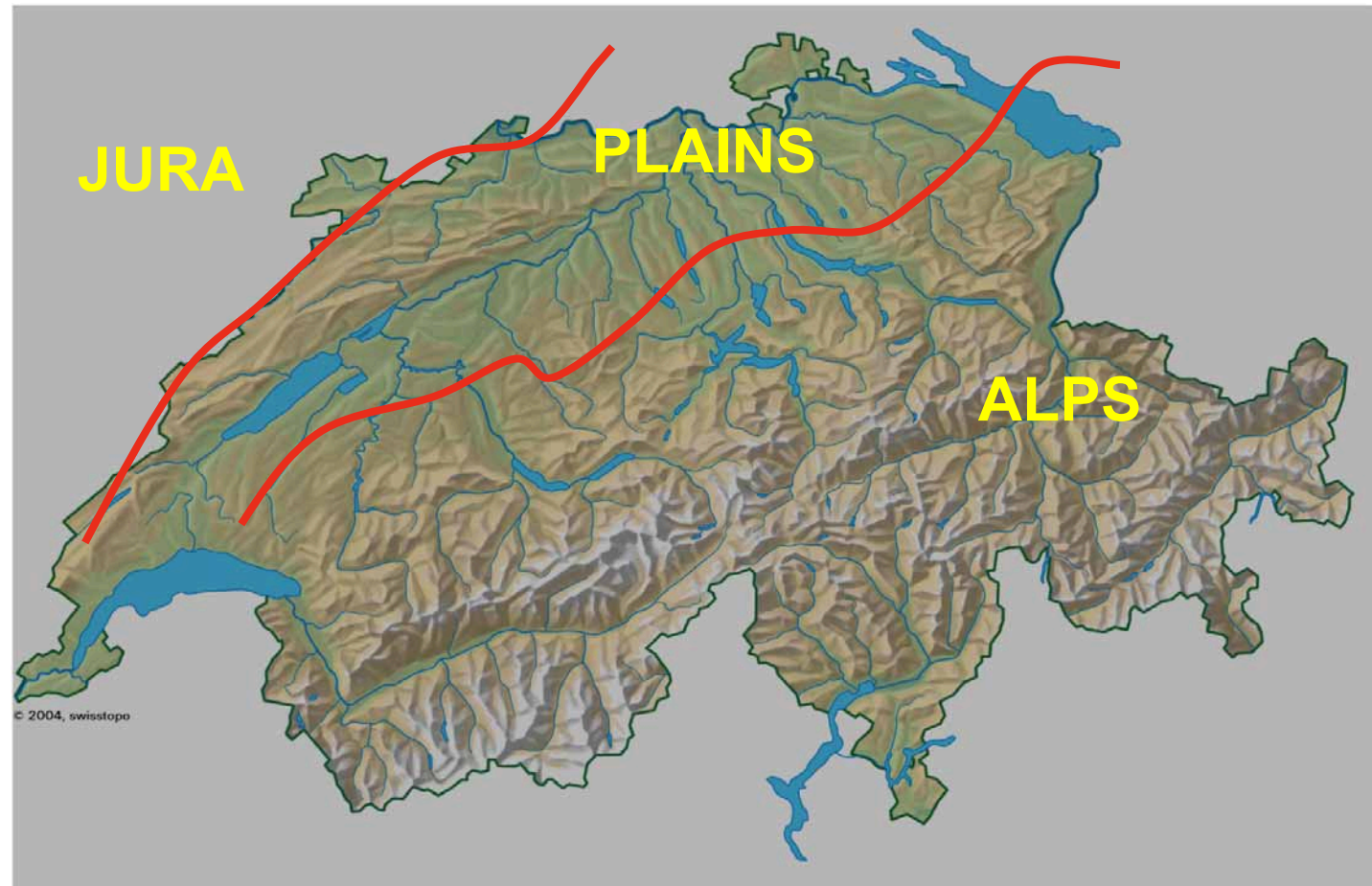
Swiss mountain area is important

2/3 of the surface

1/4 of the population

20 out of 26 cantons

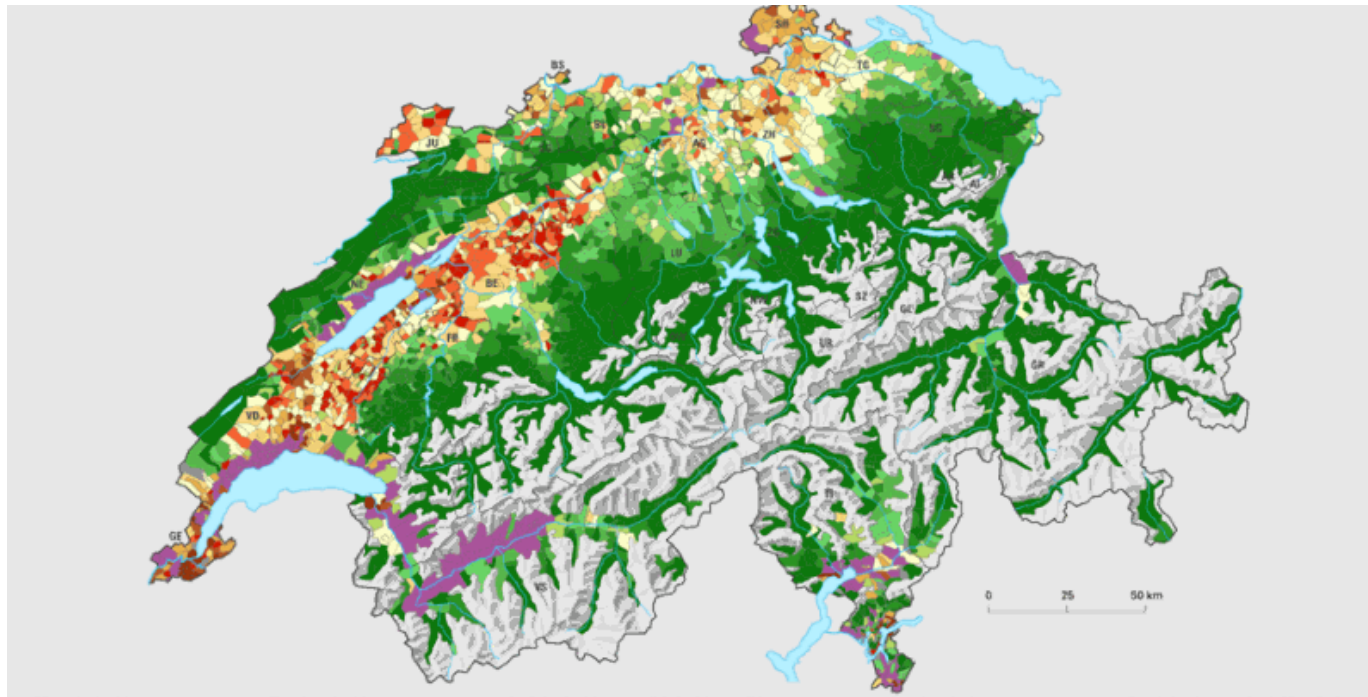
1200 out of 2495 municipalities





Swiss Agriculture

Agriculture in Switzerland



Red: Crops

Yellow: Mixed farms

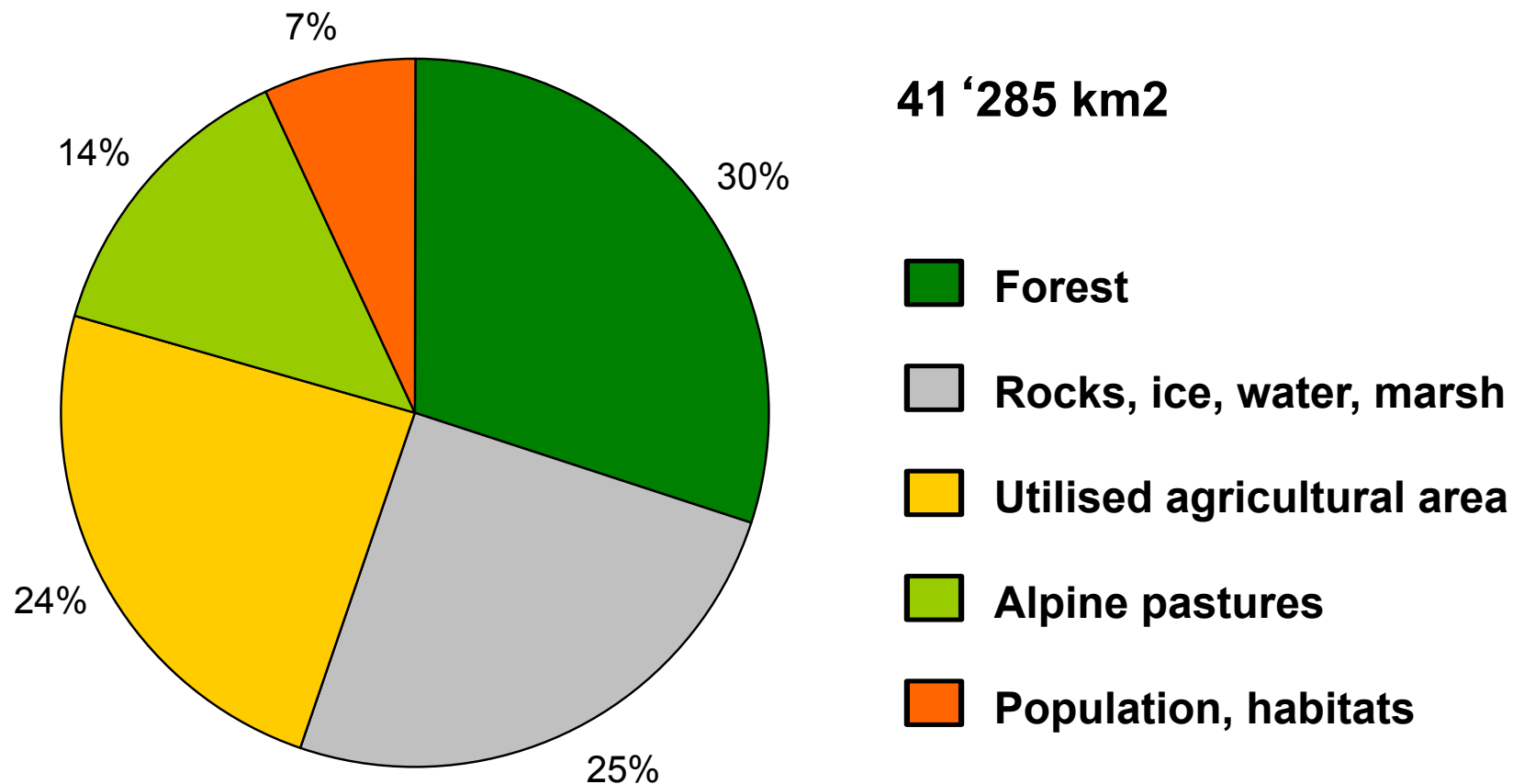
Violet: Permanent crops

Green: Domestic animals



Swiss Agriculture

Land use in Switzerland





Swiss Agriculture

Switzerland is a grass country

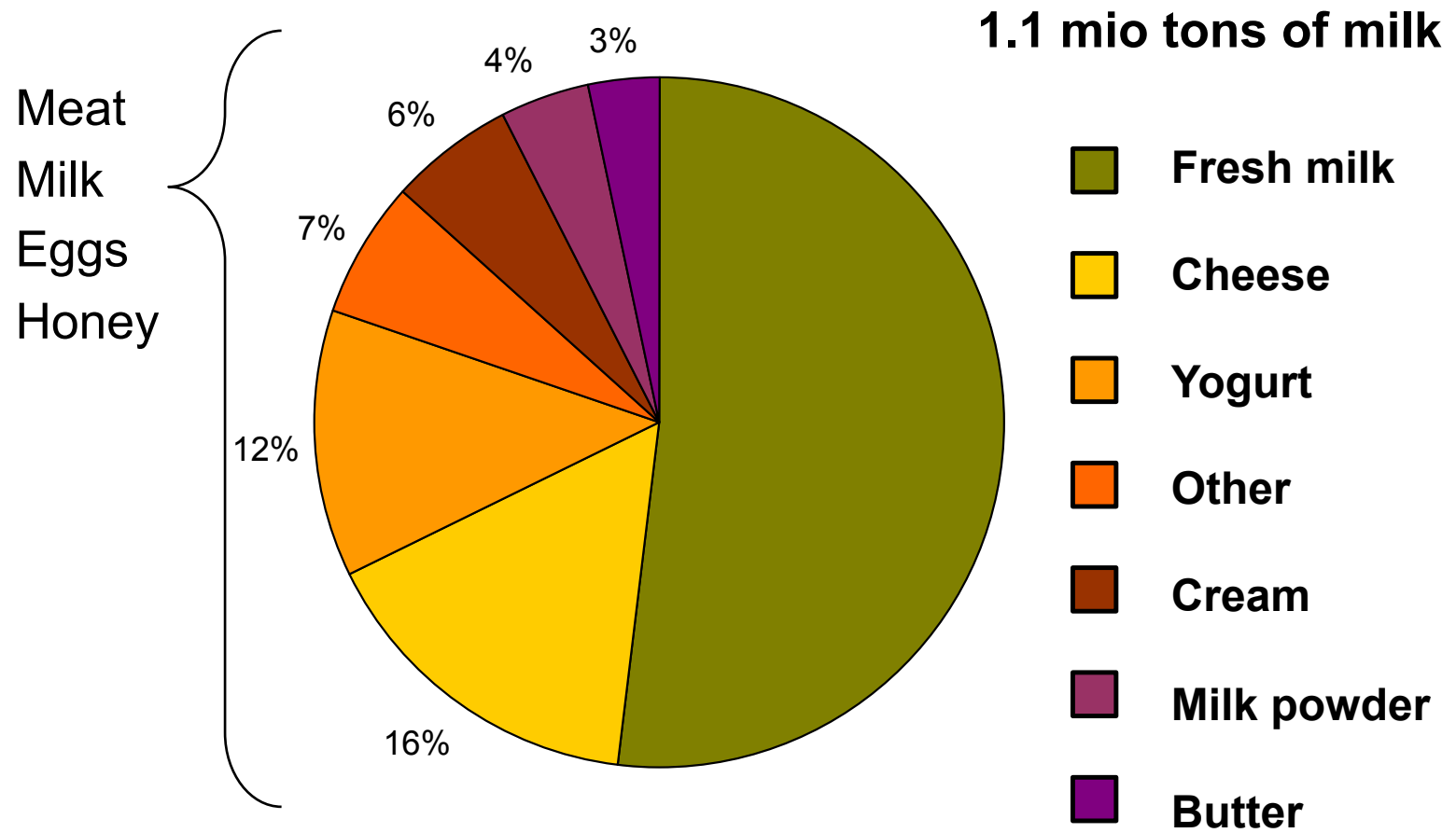


70% of the agricultural land are meadows and artificial grassland



Swiss Agriculture

Animal production in Switzerland





Swiss Agriculture

Self-sufficiency levels of ag. goods

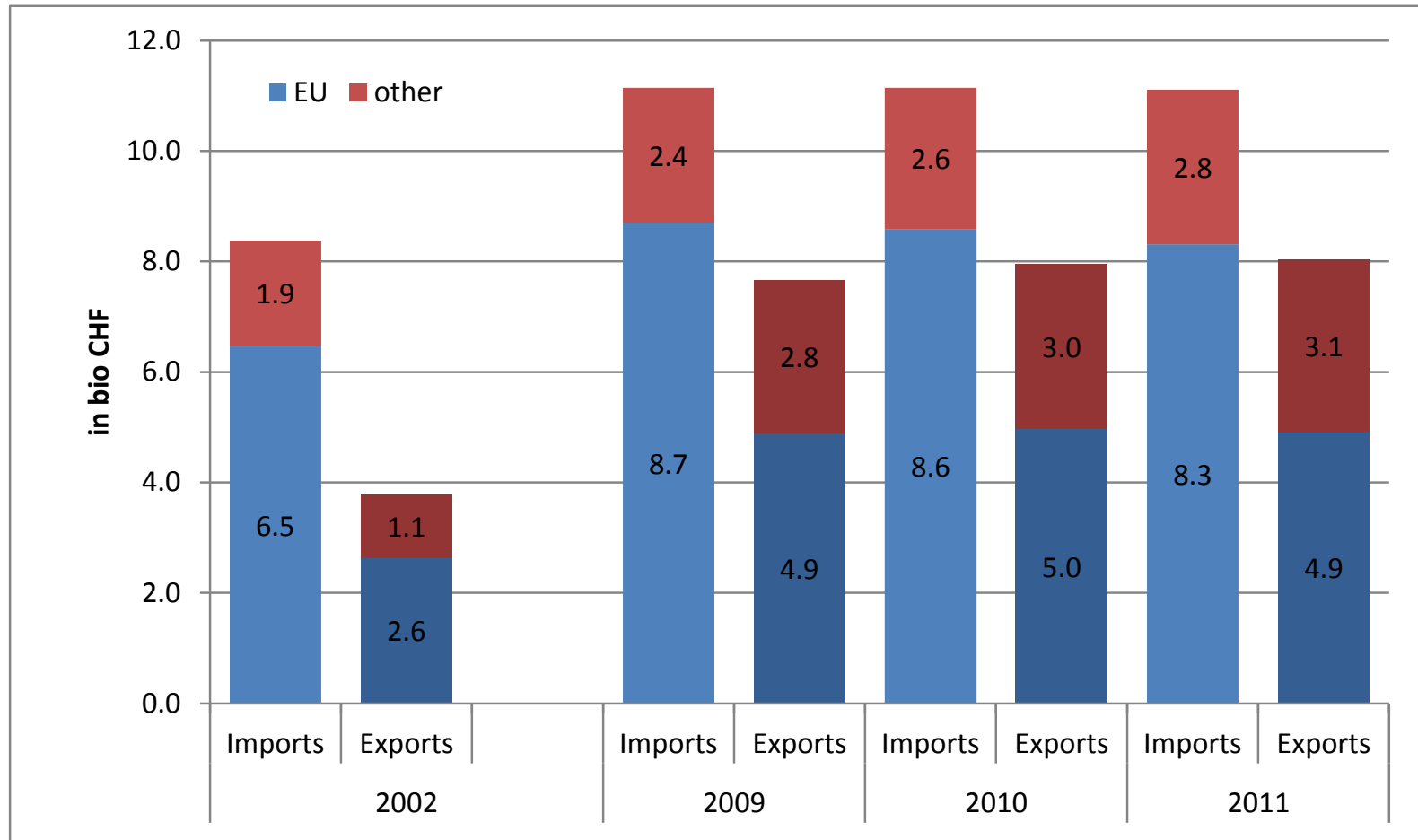
Cereals	46%	Milk, milkproducts	94%
Potato and starch	81%	Veal	96%
Sugar	66%	Beef	80%
Vegetables	49%	Pork	94%
Apples	93%	Sheep	42%
Fruits total	38%	Poultry	47%
Wine	34%	Eggs, eggs preserved	36%
Vegetable oils/fats	19%	Fish, shellfish	3%
		Food total	54%

Av. 2005-2008



Swiss Agriculture

External trade of food products

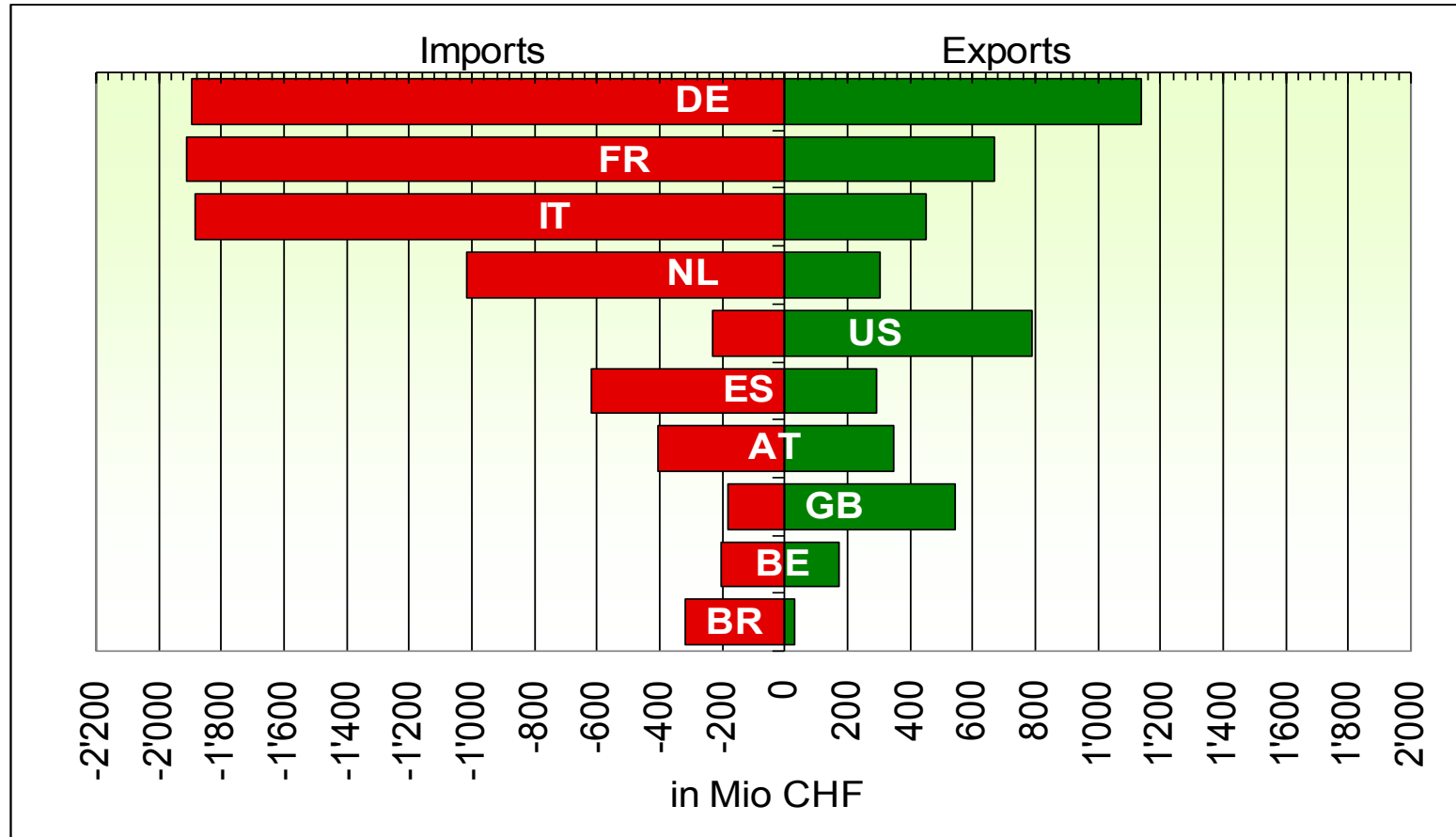


Source: Swiss Customs



Swiss Agriculture

Foreign trade and main partners



2/3 of foreign trade with agricultural products concerns EU27

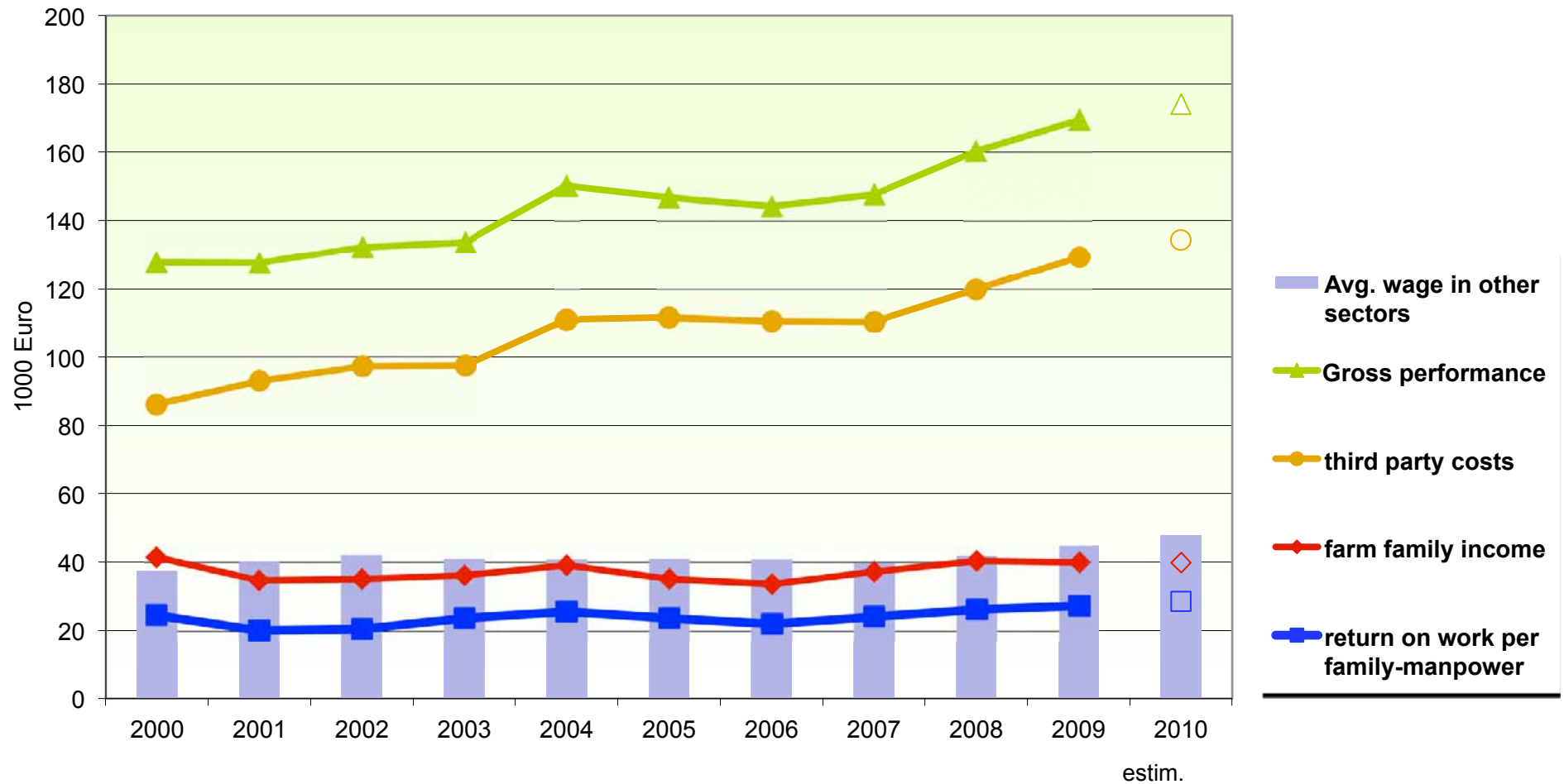


Swiss Agriculture Farming in Switzerland





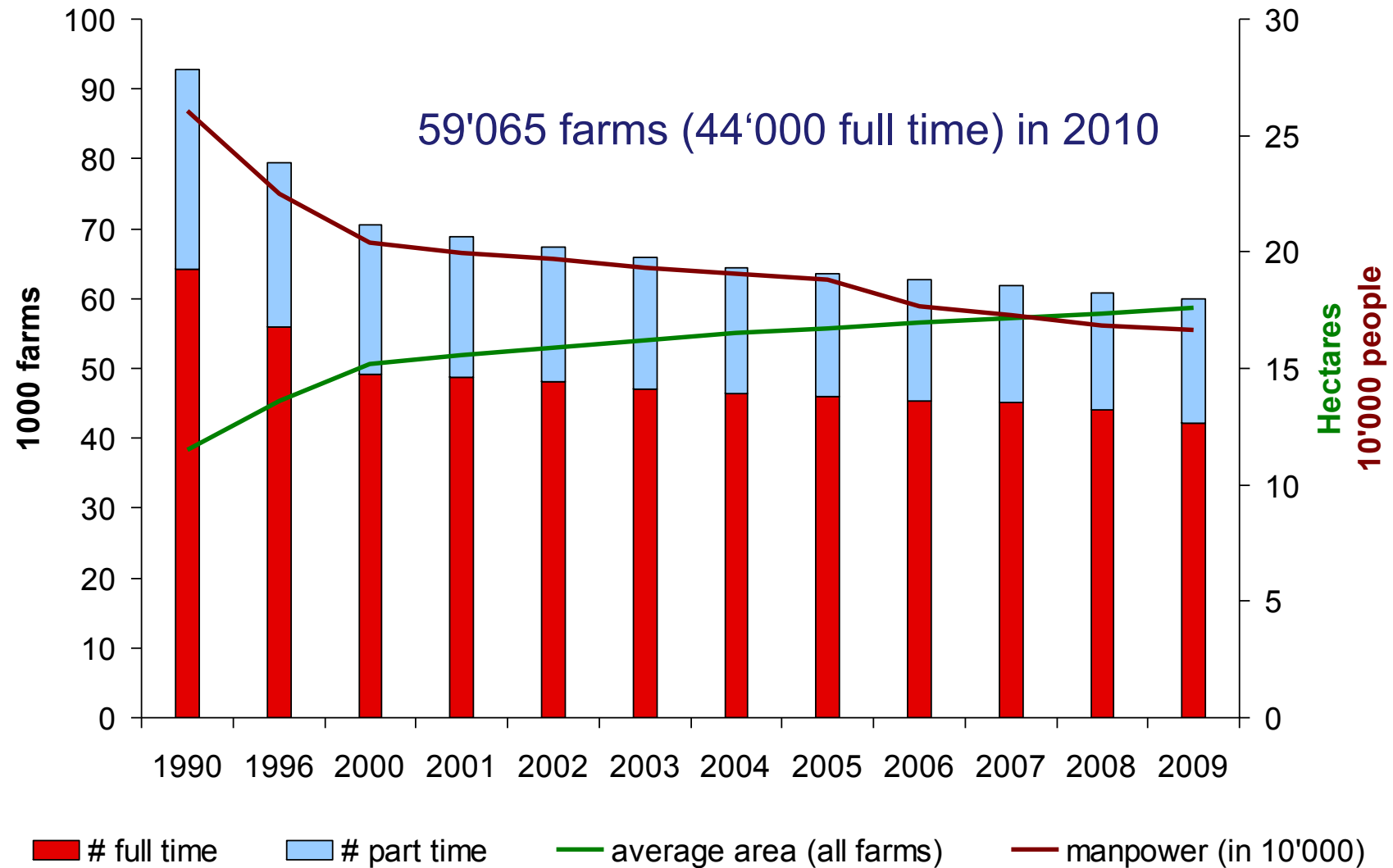
Swiss Agriculture Farm income 2000 - 2010





Swiss Agriculture

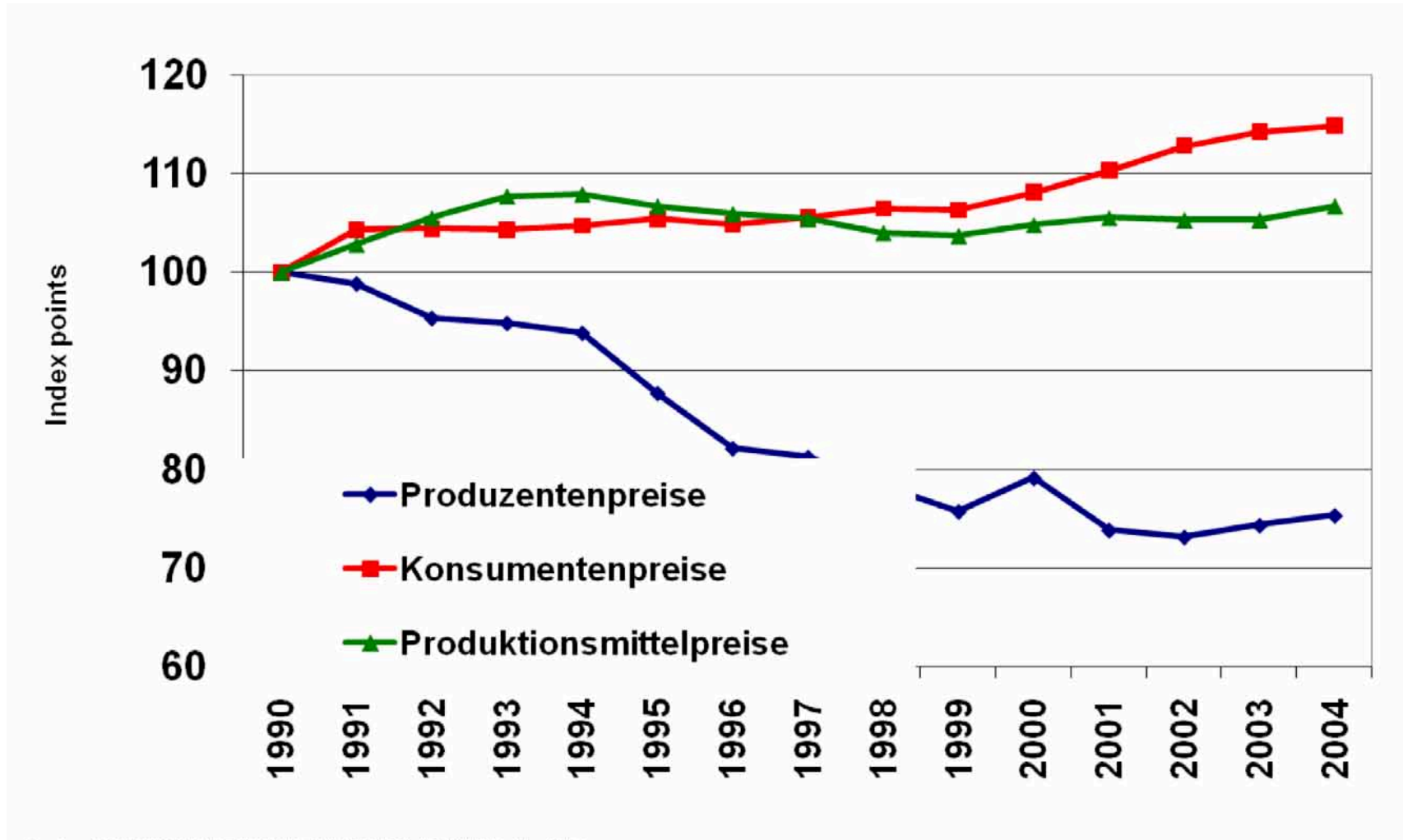
Evolution of the number of farms





Swiss Agriculture

Prices for consumers and producers





Swiss Agriculture

Comparison of producer prices 2010

	Germany	France	Austria	Switzerland
Milk (cts/kg)	42.63	40.34	41.94	60.30
Pork-meat (Fr./kg)	1.91	1.80	1.94	3.79
Wheat (Fr./100kg)	29.10	-	28.01	50.26
Apples (Fr./kg)	0.60	1.06	0.46	1.07



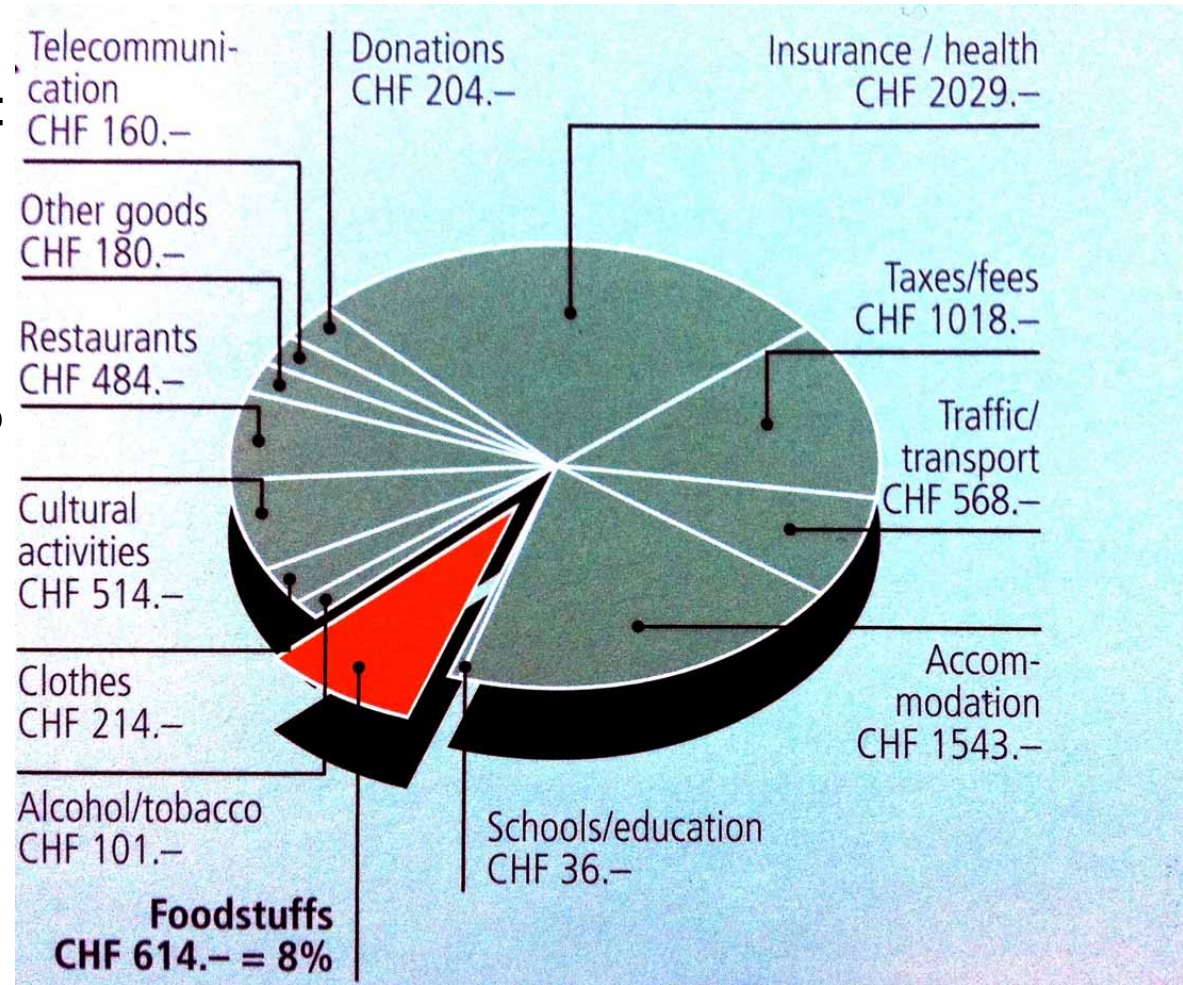
Swiss Consumer

Monthly consumer spending

Per household
with 2.25 people:
CHF 7'600.-
£ 4'900.-

Restaurants 6%
CHF 484.-
£ 310.-

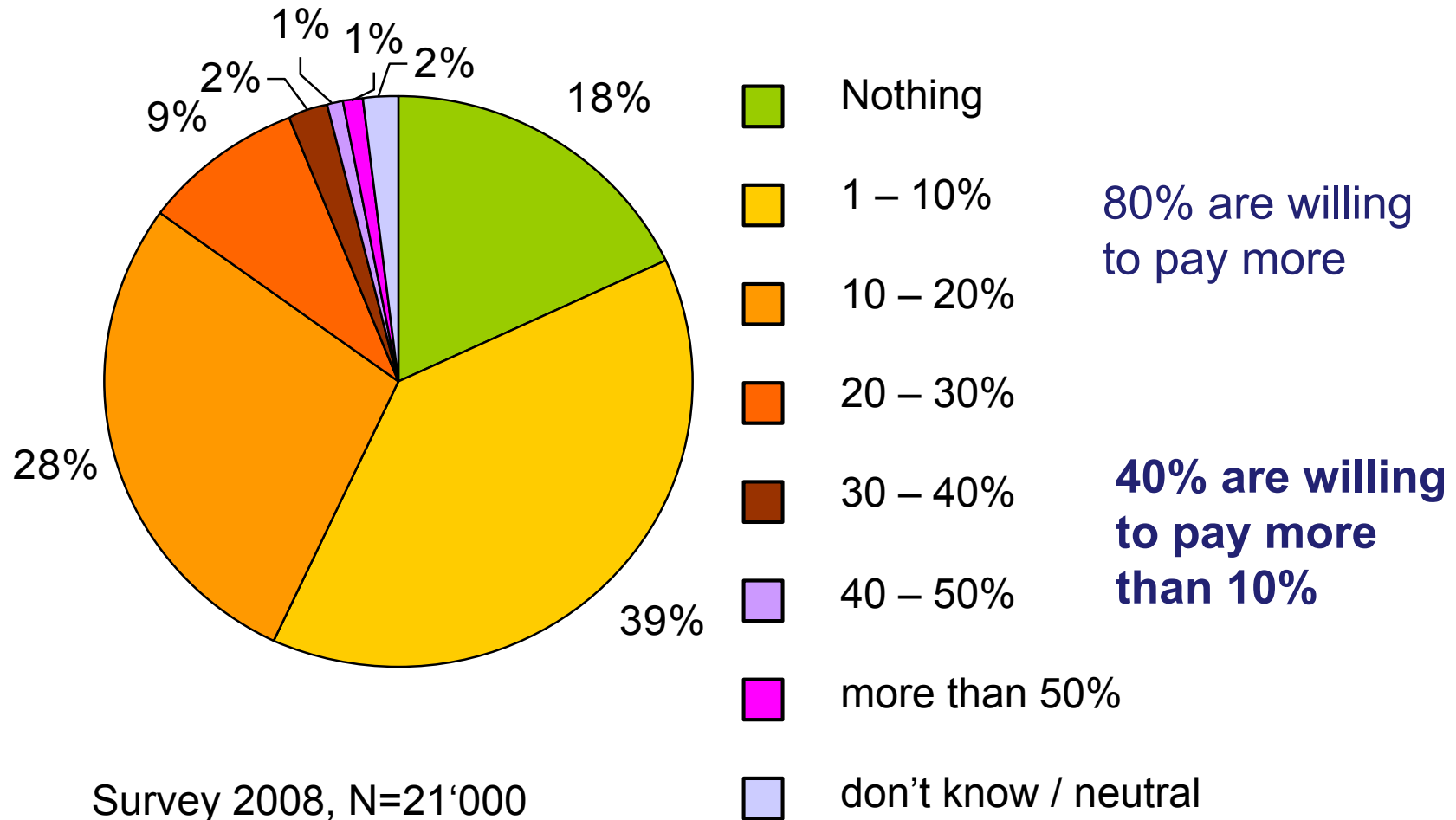
Foodstuffs 8%
CHF 614.-
£ 400.-





Swiss Consumer

Willingness to pay for Swiss products





Swiss Consumer

Expectations of the population



The general population values:

- animal-friendly husbandry 97%
- environmentally sound farming 97%
- production of healthful food 97%
- maintained land under cultivation 91%

A majority also wants:

- maintaining the farmers' way of life 66%
- settled remote areas 57%

Source: Univox Study 2004



Agricultural Policy

Federal structure of Switzerland

Three political levels (also relevant for agricultural policy)

Confederation Helvetica (CH)

A federal state since 1848: government, administration, parliament with 2 chambers (national council, council of the 26 cantons), federal supreme court, own financial resources

26 cantons

The original states with own constitutions, parliaments, governments, administrations, courts, financial resources

2495 municipalities (at present)

one-fifth have an own parliament,
the others: decisions are taken by a process of direct democracy
in the local assembly, own financial resources



Agricultural Policy

Sustainable Agriculture since 1996

Art. 104 of the Swiss Constitution

¹ The Confederation shall ensure that agriculture contributes substantially by way of a sustainable and market-oriented production:

- a. to the **secure provision** of the population with food;
- b. to the conservation of **natural resources** and the upkeep of **rural landscape**;
- c. to the **decentralized settlement** of the country.

→ Multifunctionality !



Agricultural Policy

Tools for agricultural support

Border Protection



Tools

AKIS
Basic improvements
CHF 630 Mio



Market support
CHF 650 Mio



Direct payments:
CHF 2'500 Mio





Agricultural Policy

Direct payments (pillar 1)

Direct payments (pillar 1: 2000 Mio CHF) have to comply to the following requirements (called „ecologic efficiency statement“):

- Animals kept under animal-friendly conditions
- Equitable use of fertilisers
- Suitable share of ecologic compensation areas (3.5 % to 7% of total farmland)
- Regular crop rotation
- Suitable soil protection
- Choice and targeted use of plant protection products
- Protection against erosion



Agricultural Policy

Ecological sustainability

Ecological services

- Cross compliance 98% of UAA
- Organic farms 11% of UAA
- Eligible ecological compensation areas 12% of UAA

Reduction in environmental loads

- N-surplus - 25% since 1985
- P-surplus - 65% since 1990
- Pesticides (active substance) - 35% since 1990

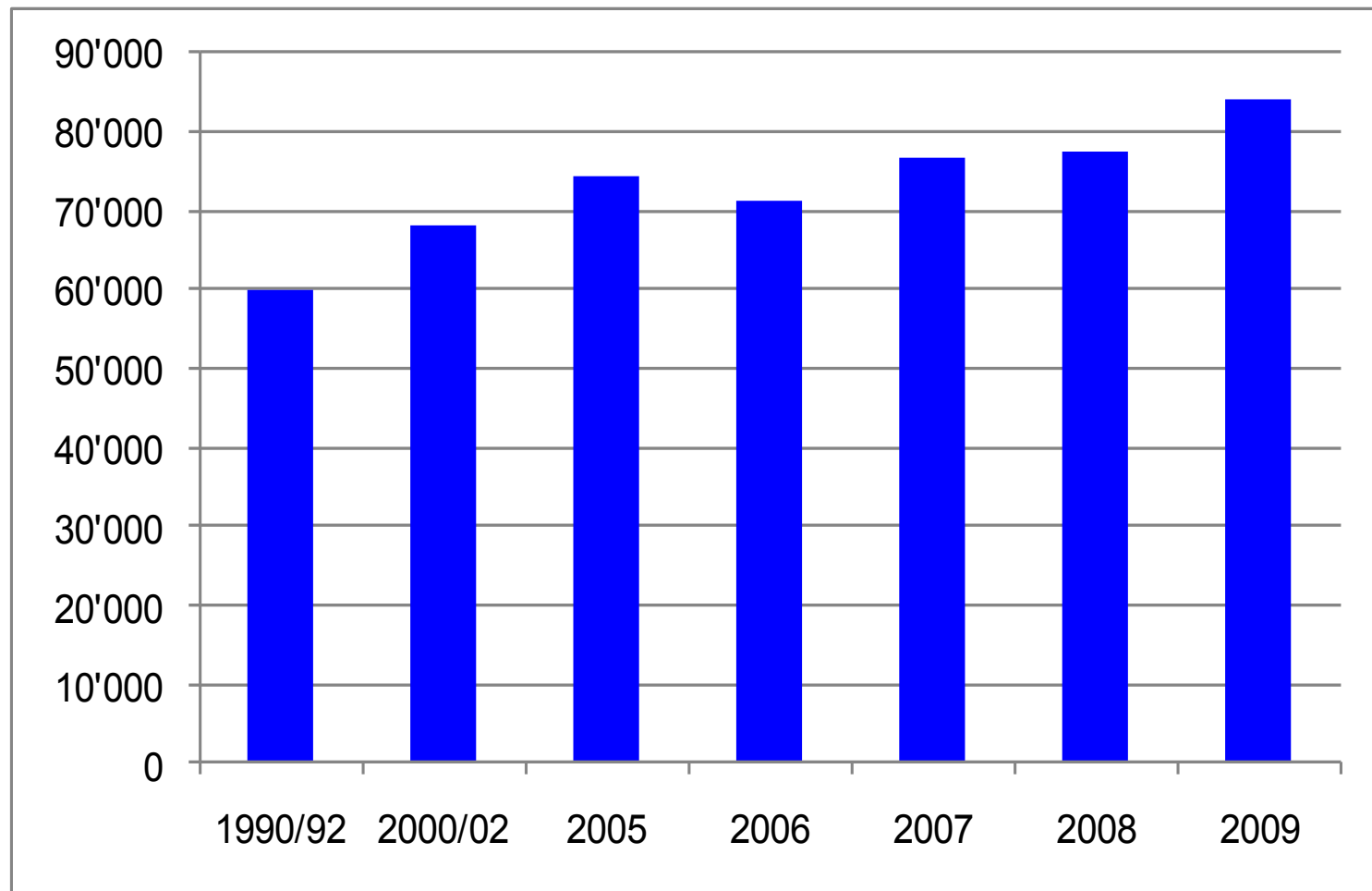




Agricultural Policy

Economic sustainability

Labor productivity (in CHF/worker/year)





Agricultural Policy

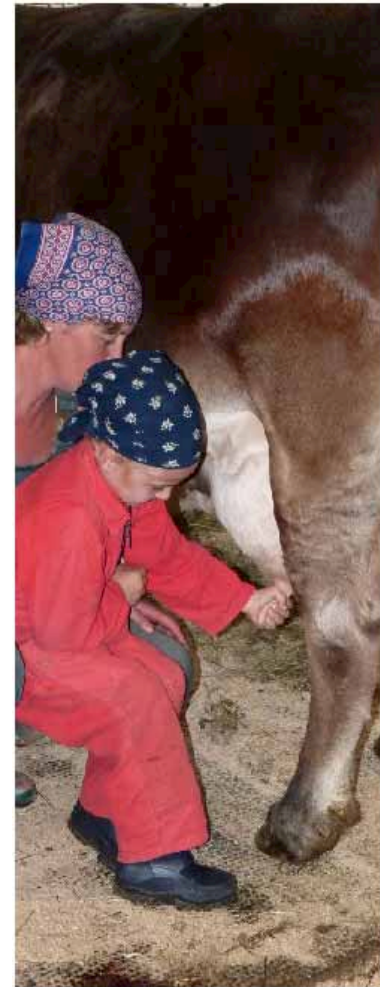
Social sustainability

Survey 2009:

- General satisfaction regarding quality of life
- Farmers are less satisfied concerning to
 - income
 - leisure time
 - stability of political and economic framework

Rate of structural change:

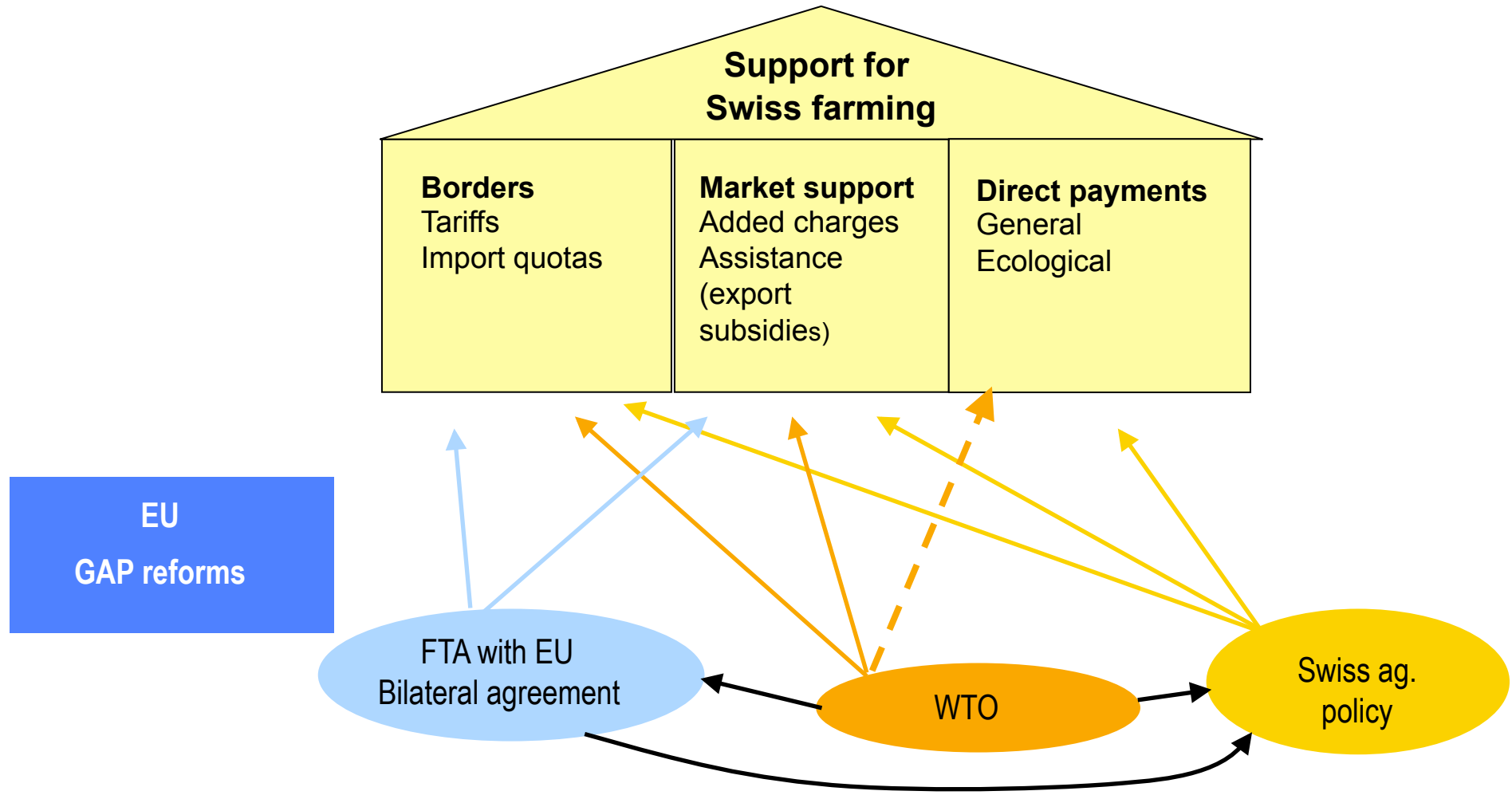
- +/- 2% per year
- at a socially acceptable level





Agricultural Policy

International influence

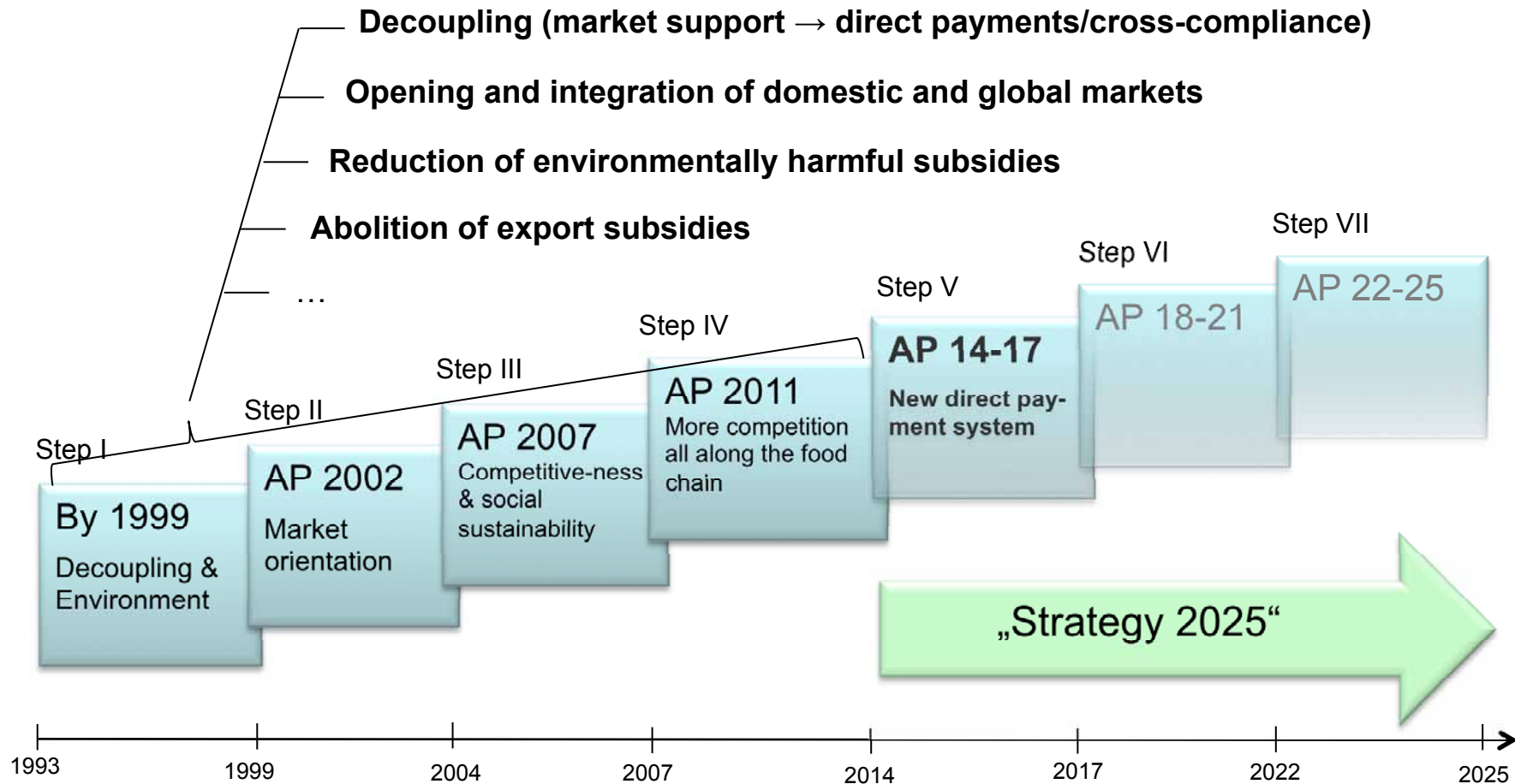


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Agricultural Policy

Agriculture policy reform since 1993

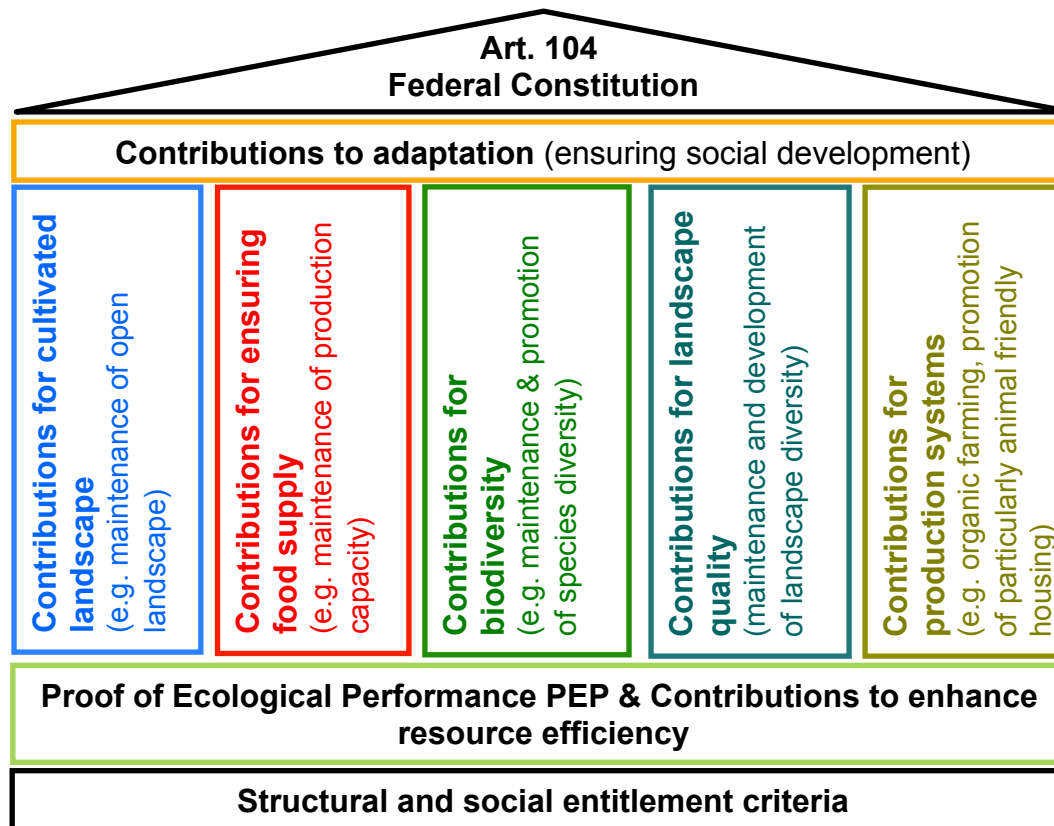




Agricultural Policy

Agriculture Policy 2014-2017 (AP 14-17)

New direct payment system: Focus on targeting!



- **7 objectives → 7 instruments !**
- More efficient resource use thanks to **decoupling, targeting and tailoring!**
- Increased incentives where targets are **not** reached yet!
- Reduction of wrong incentives through decoupling of **general animal- based payments!**



Agricultural Policy

Strategy 2025: key challenges



- Mitigate negative effects of price volatility
- Enhance soil conservation



- Improve resource efficiency
- Raise awareness of consumers



- Promote diversity of landscape
- Slow down lost of agricultural land



- Give its value to quality
- Reduce production costs



- Facilitate transition to more open markets
- Strengthen entrepreneurship

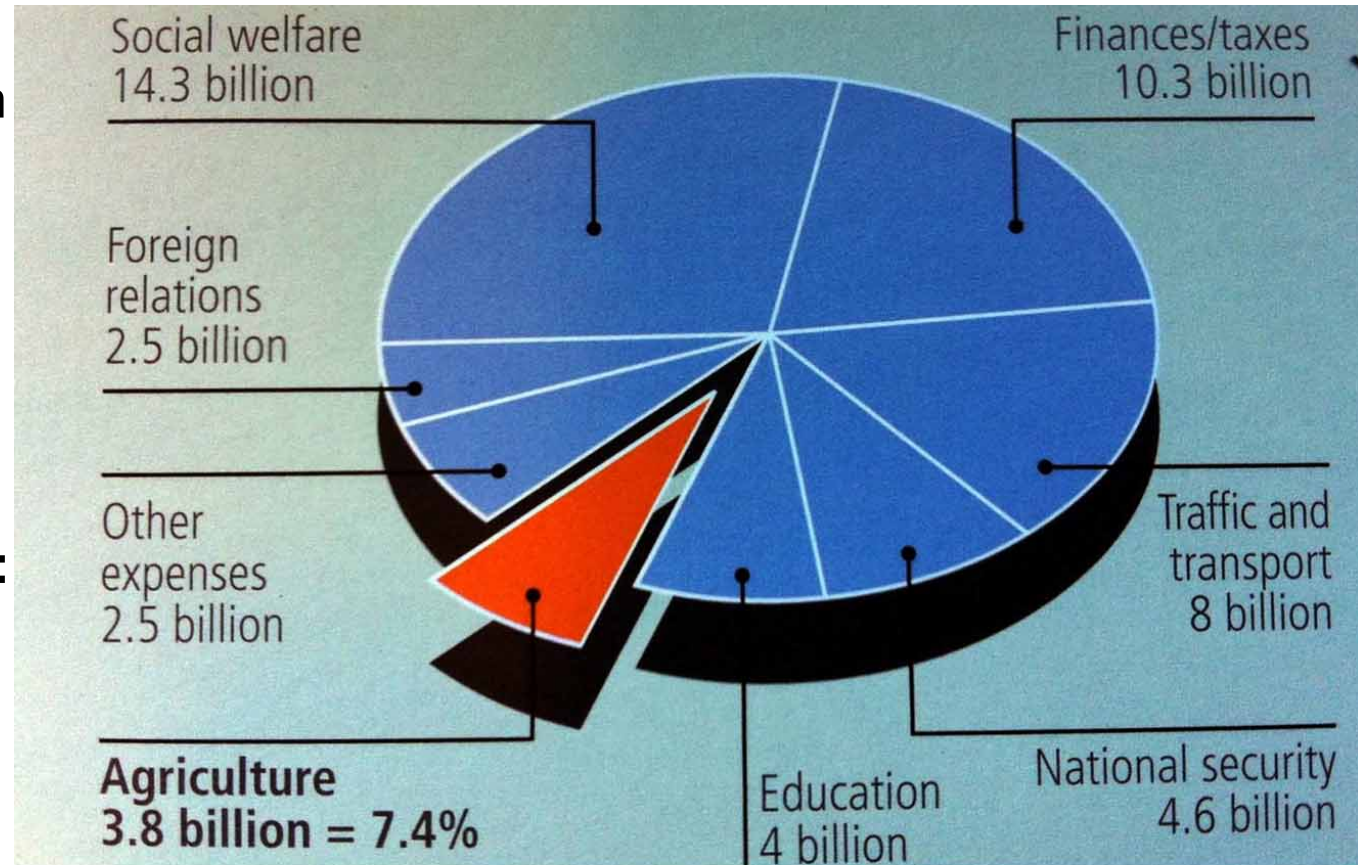


Agricultural Policy

The Swiss Confederation pays

In total 2009:
CHF 51.4 billion
£ 33.2 billion

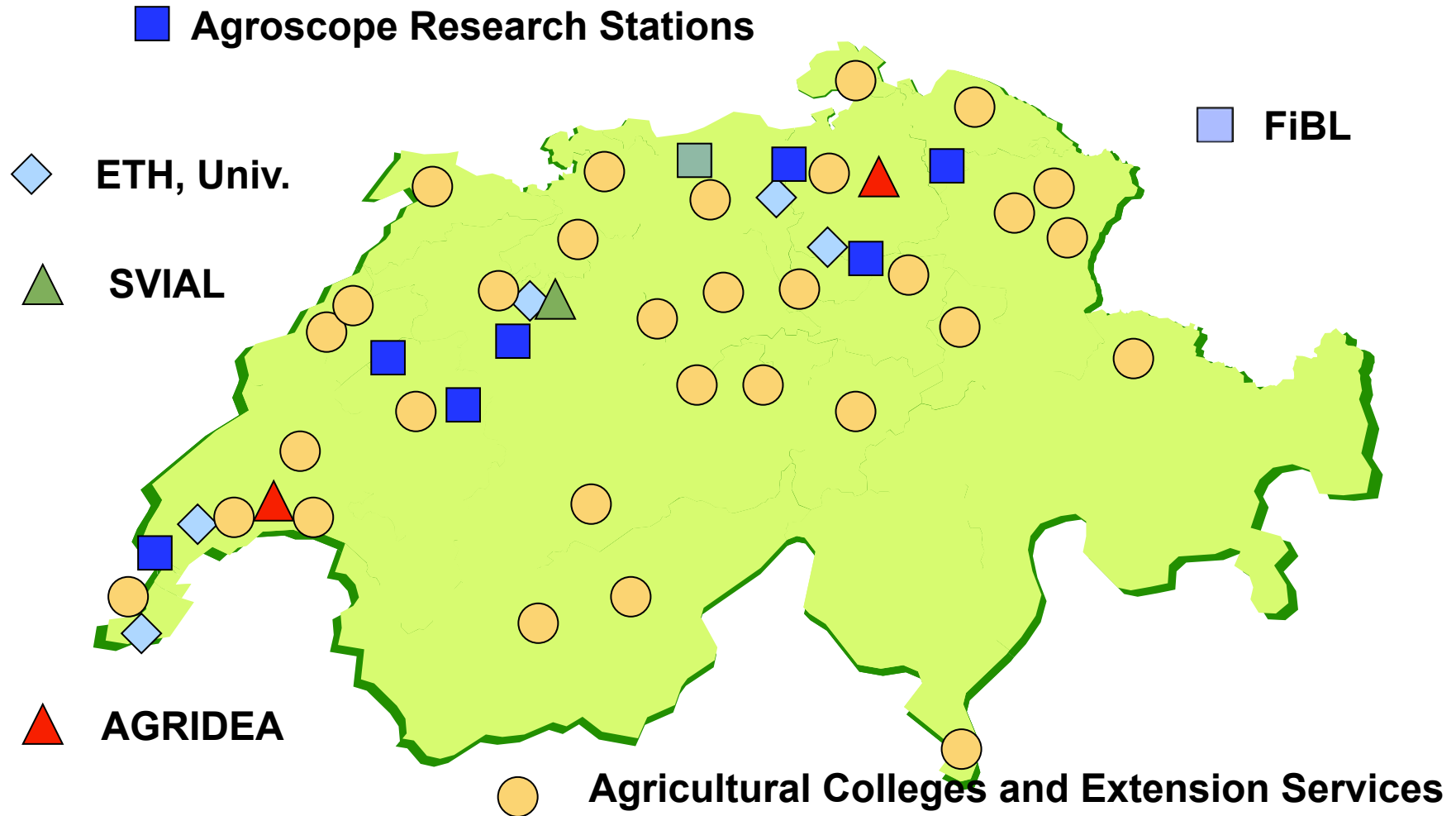
for agriculture:
CHF 3.8 billion
£ 2.4 billion
= 7.4%





Swiss AKIS

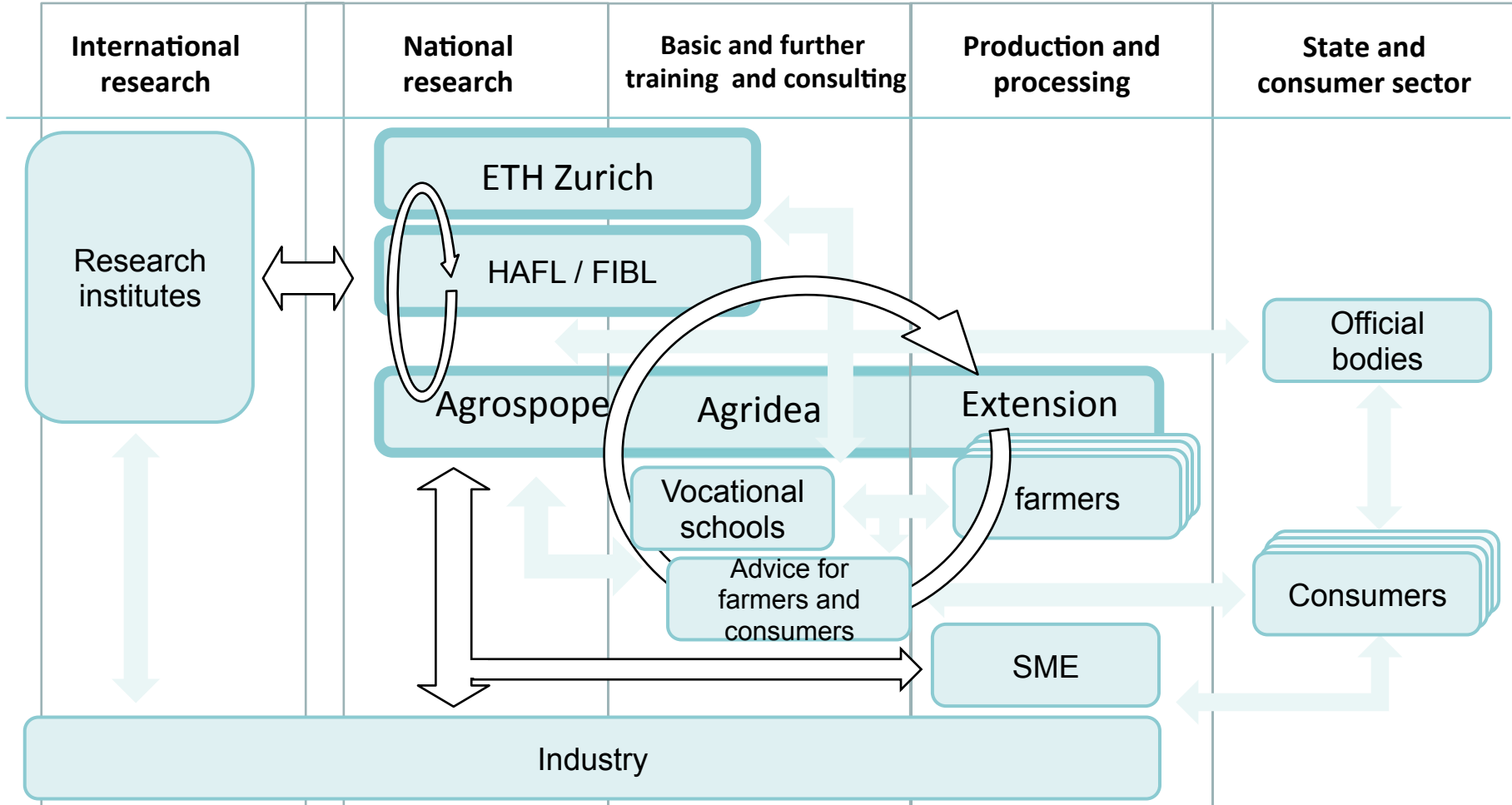
Ag. Knowledge and Innovation System





Swiss AKIS

Ag. Knowledge and Innovation System





Swiss AKIS

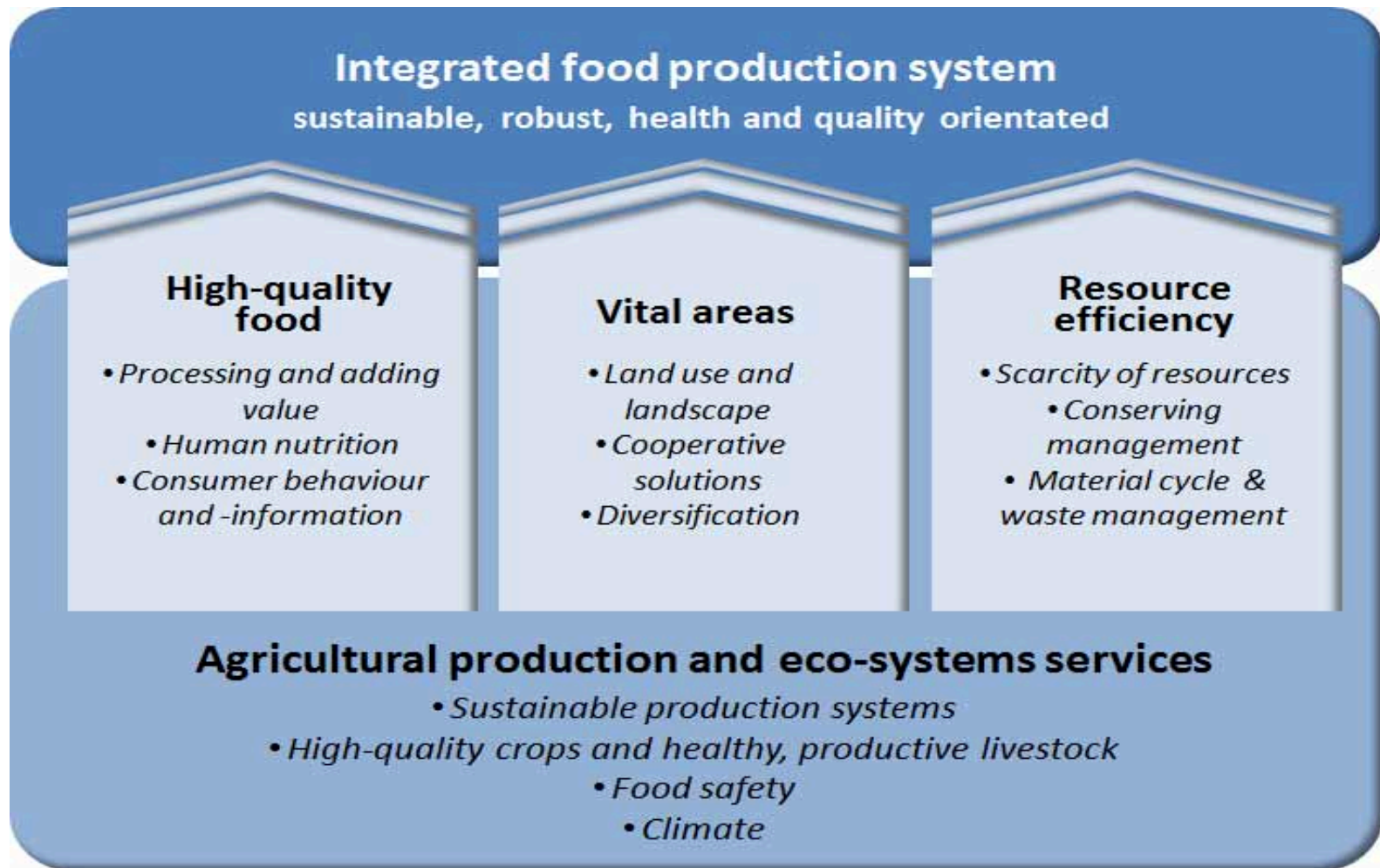
Seven key factors for innovation

1. Focus on consumer, on tax payer, on food supply chain and on sustainable resource use management
2. International networking and cooperation
3. Universities as national centres of excellence
4. Coordinated cooperation between research and and training institutions
5. Practice platforms involving research with a transdisciplinary approach
6. Public research and industry networks for efficient risk communication and technology transfer
7. Qualified professionals and financial resources



Swiss AKIS

Aims and primary focus





Swiss Agriculture

Thank you for your attention

