

Interrelationships between agri-environmental programmes and **crop and sector-specific guidelines** for integrated plant protection in Austria



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Protection and Plant Health in
Europe“, Berlin, 19 – 21 May 2011

Content



- ❑ **IPM in the Sustainable Use Directive 2009/128/EG (SUD)**
- ❑ **“General principles of IPM” - some aspects**
- ❑ **“Sector or crop-specific guidelines for IPM” – some aspects**
- ❑ **“Austrian AEP” – IPM elements in the current programme**
- ❑ **Conclusions and possible strategies for the future from Austrian point of view**

„Integrated Plant Protection” “Integrated Pest Management” - IPM



„careful consideration of all available plant protection methods and subsequent integration of appropriate measures that discourage the development of populations of harmful organisms and keep the use of PPPs to levels that are economically and ecologically justified and reduce or minimise risks to human health and the environment.”

SUD (Directive 2009/128/EC) - General principles of IPM



History / origination

- ❑ **annex III originally not foreseen** in the COM proposal
- ❑ **agreement for a list of elements** set out in annex III during negotiations in Council
- ❑ **avoiding further discussions and different implementation** on national level

SUD (Directive 2009/128/EC) - General principles of IPM



Annex III - content

➔ **Options for prevention or suppression of harmful organism, especially:**

- crop rotation**
- use of adequate cultivation techniques**
- use, where appropriate, of resistant/tolerant cultivars and standard/certified seeds/plant material**
- balanced fertilization and irrigation practises**
- hygiene measures**
- protection and enhancement of beneficial organisms**

SUD (Directive 2009/128/EC) - General principles of IPM



Annex III - content

➔ **Monitoring of harmful organisms by adequate methods and tools, where available**

▣ **observations in the field, warning systems, advice**

➔ **Decision about plant protection measures**

▣ **threshold levels**

▣ **region, crop and particular climate conditions have to be taken into account**

SUD (Directive 2009/128/EC) - General principles of IPM



Annex III - content

- ➔ biological
 physical and
 other non-chemical methods

must be preferred to chemical methods

- ➔ Record keeping – checking of the success

SUD (Directive 2009/128/EC) - General principles of IPM



Annex III list

- very comprehensive list of elements**
- some elements would better fit to “Integrated Plant Production” (which is the broader approach)**
- most elements are optional**
- most elements are flexible designed (not very concrete)**

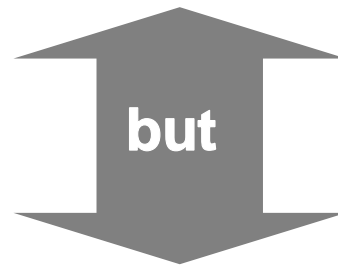
SUD (Directive 2009/128/EC) - General principles of IPM



(Possible) problems with annex III

1/4

**optional and very flexible
elements**



**obligatory by 1 January 2014
for all professional users**

SUD (Directive 2009/128/EC) - General principles of IPM



(Possible) problems with annex III

2/4

**legal basis for cross
compliance (CC)**

but

**difficult to set up control parameters
for CC and to control in practise**

SUD (Directive 2009/128/EC) - General principles of IPM



(Possible) problems with annex III

3/4

**very comprehensive
list of elements**

but

**borderline setting to crop and
sector-specific guidelines difficult**

SUD (Directive 2009/128/EC) - General principles of IPM



(Possible) problems with annex III

4/4

**very comprehensive
list of elements**

but

**partly elements integrated in
current AEP 2007–2013 measures**

SUD (Directive 2009/128/EC) - General principles of IPM



Different approach between general principles and sector and crop-specific guidelines

**General principles
of IPM**



legally binding
no subsidies / no financial support

**Sector and crop-specific
guidelines for of IPM**



voluntary basis
**incentives / subsidies / financial
support**

SUD (Directive 2009/128/EC) - General principles of IPM



Implementation into national law in Austria

- ❑ according to the **“Austrian Federal Constitution”** → **competence of the 9 “Länder” (regions)**
- ❑ **annex III will be implemented as it is set out in the SUD**

SUD (Directive 2009/128/EC) - sector and crop-specific guidelines



What are the differences in the elements to the general principles ?

- ❑ sector and crop-specific guidelines **are not set out in a list of elements** at EU-level → competence of the MS
- ❑ elements should be **more specific** → but are these the same elements as in annex III? → (Yes) → borderline?
- ❑ are there really (many) **additional elements** in relation to the general principles? → (No / not so many)

Austrian AEP



Austrian programme to promote agricultural production methods compatible with the requirements of environmental protection, extensive production and the maintenance of the countryside.

Four Subjects of Protection
(Soil, Water, Climate,
Biodiversity)

Integral/horizontal Approach
(Targeting the majority of the
farmers)

Agri-Environmental Programme - AEP



- promoting **extensive agriculture**
- compatible with the **protection of the environment**
- maintenance of the **countryside**
- encourages farmers contributing to an **ecological balance**

- **most comprehensive and most differentiated programme in EU**
- carried out on the **whole territory of Austria**
- **contract with the farmer for a period of 7 years**
- **compensation for decline in production and add. costs**

Austrian AEP – general overview of measures



**alpin pasturage
sloping sites**

**nature
conservation
projects**

**water
protection**

organic farming

environmental production measures

renunciation of inputs

extensive production methods

Austrian AEP – Facts and Figures (2009)



Annual Payments: ca. 550 Mio. EUR

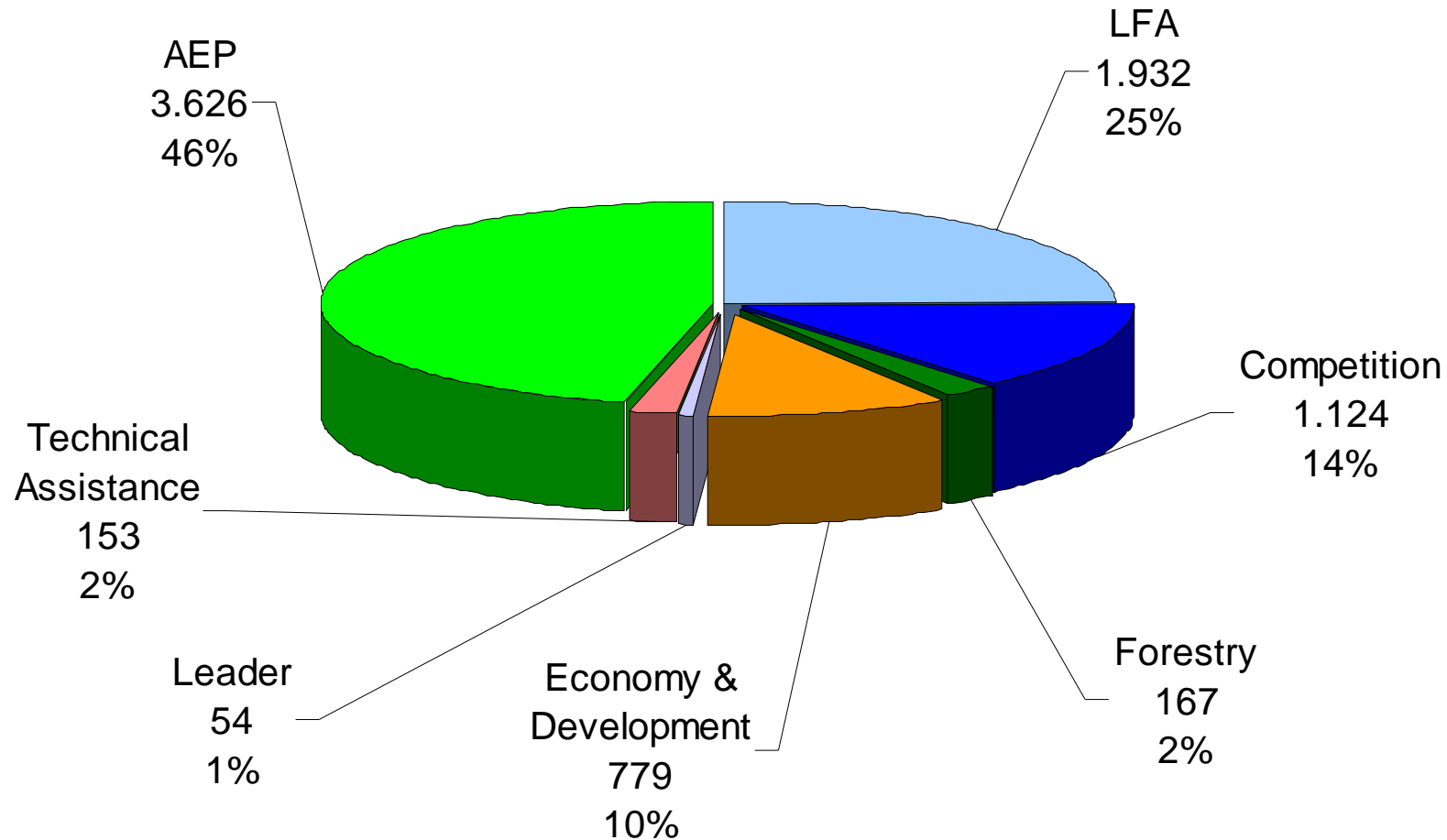
Holdings: ca. 118.000

Measures: ca. 409.000

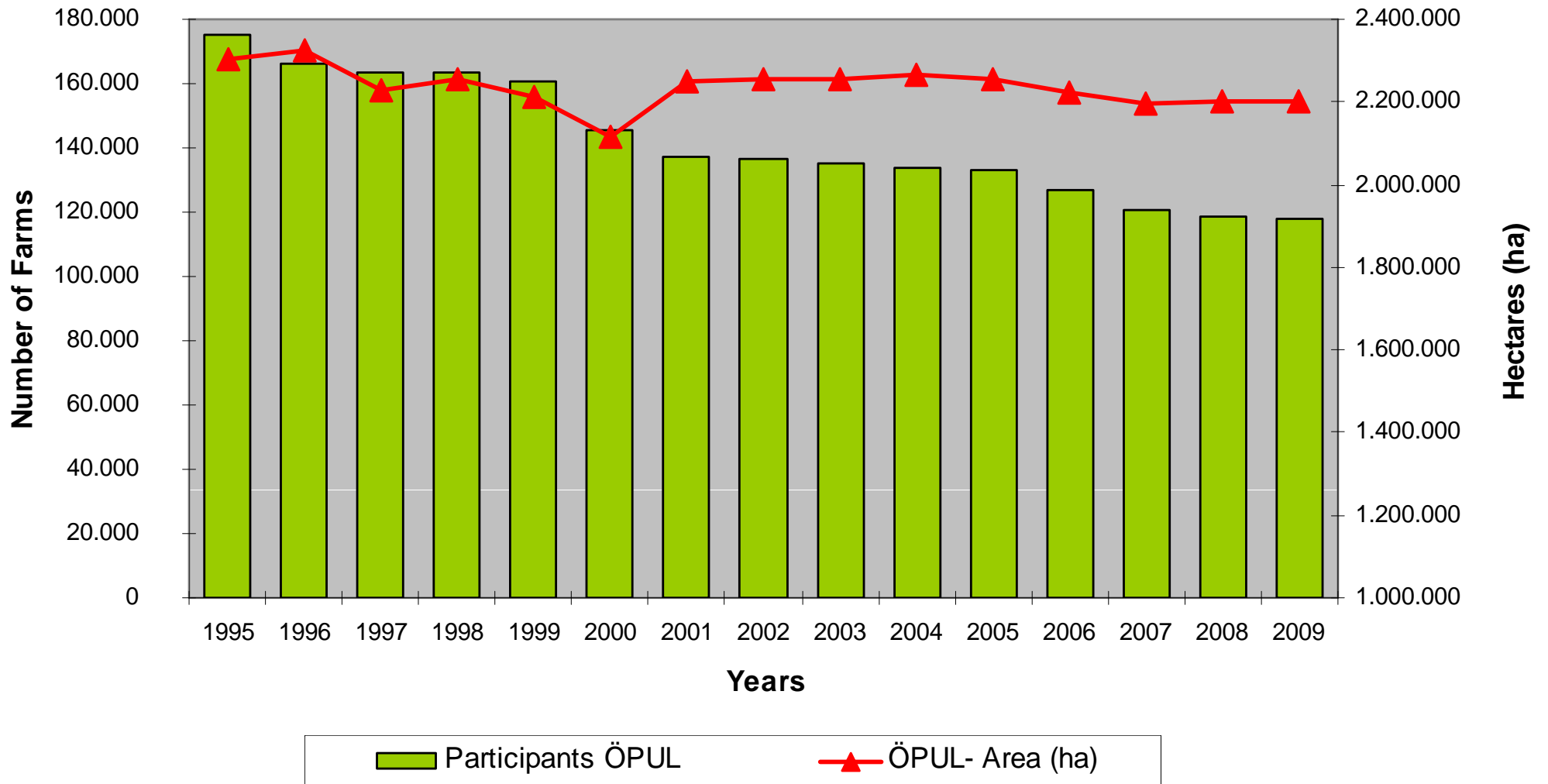
Acceptance: ca. 75 % of all Agricultural Holdings
ca. 2,20 Mio. ha (excl. mountain pastures)
ca. 87 % of the agricultural area of Austria



Financial Volume of Programme RD 2007 – 2013 (Public Transfers in Mio. EUR, Part in %)



Austrian AEP – Facts and Figures (2009)



Austrian AEP



Measures with influence to plant protection products use and/or IPM

- ➔ **organic farming**
- ➔ **integrated production measures**
- ➔ **inspection of the plant protection equipment in use**
- ➔ **renunciation of inputs (e.g. grow regulators, fungicides)**
- ➔ **crop rotation**

Integrated Production Measures - “IP-Measures”

- ➔ Integrated **wine** growing
- ➔ Integrated **fruit** growing
- ➔ Integrated **hop** growing
- ➔ Integrated **vegetable** growing
- ➔ Integrated **ornamental** growing
- ➔ Integrated **sugar beet** growing
- ➔ Integrated **potatoes** growing

Integrated Production Measures (“IP-Measures”) Examples for elements

1/2

- ➔ **inspection of plant protection equipment in use**
- ➔ **use of PPPs according to the “PPP positive list”**
- ➔ **use of warning systems or monitoring of harmful organisms and where possible threshold levels**
- ➔ **specific training requirements**

Integrated Production Measures (“IP-Measures”) Examples for elements

2/2

- ➔ restrictions in **fertilization**
- ➔ **crop rotation** (e.g. potatoes, sugar beets 4 years)
- ➔ use of **certified seed** (e.g. sugar beet)
- ➔ **record keeping** (e.g. ppp, reg.no., amount/ha, dose, specific situation, fertilization etc.)
- ➔ etc.

Austrian AEP



„PPP positive list“

- substitution principle and comparative assessment

Criteria were set up in annex K of the Austrian AEP-Directive:

- number of pppls / a.s. available for the intended use
- necessity of the use of the ppp (e.g. economic importance of the harmful organisms)
- efficacy and resistance management
- toxicity, user safety
- environmental behaviour (e.g. persistence, ecotoxicity)
- etc.

Austrian AEP



Inspection of plant protection equipment in use

- ➔ **requirement for all IP-measures and organic farming**
- ➔ **obligation for regular technical inspection (at least within a period of 3 years) and maintenance**
- ➔ **standard and essential technical requirements relating to the inspection similar to annex II of SUD**

Conclusions – general principles – sector or crop-specific guidelines



- **differentiation between general principles and sector or crop-specific guidelines has not been done up to now in Austria but**
- **will be necessary especially for CC and AEP in the near future (very important for Austria)**
- **common approach / strategy on MS level needed**

Conclusions - IPM measures in AEP



The current Austrian AEP includes many IPM elements

- Austrian farmers are compensated for IPM measures**
- IPM measures are accepted by the Austrian farmers**
- future legally binding IPM elements cannot be compensated – acceptance by the farmers will decrease**

Austrian strategy for IPM measures in AEP 2014 -2020



“Evolution instead of revolution”

- legally binding IPM elements will not be further elements in AEP 2014 - 2020
- trying to develop further some existing IPM elements (more restrictive design → higher standard)
- creation of new IPM elements