



Proposal of the Czech National Action plan to achieve a sustainable use of pesticides

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The process to develop a strategy

January 2011- A coordinating working group (CWG) was established



September 2011 - Ministry of Agriculture organized open public discussion seminar on topic of sustainable use of pesticides



Forum for building up of NAP – regular meetings of CWG (Ministries, farmer organizations, PHRI, GO's and nGO's) + commenting draft of PH legislation



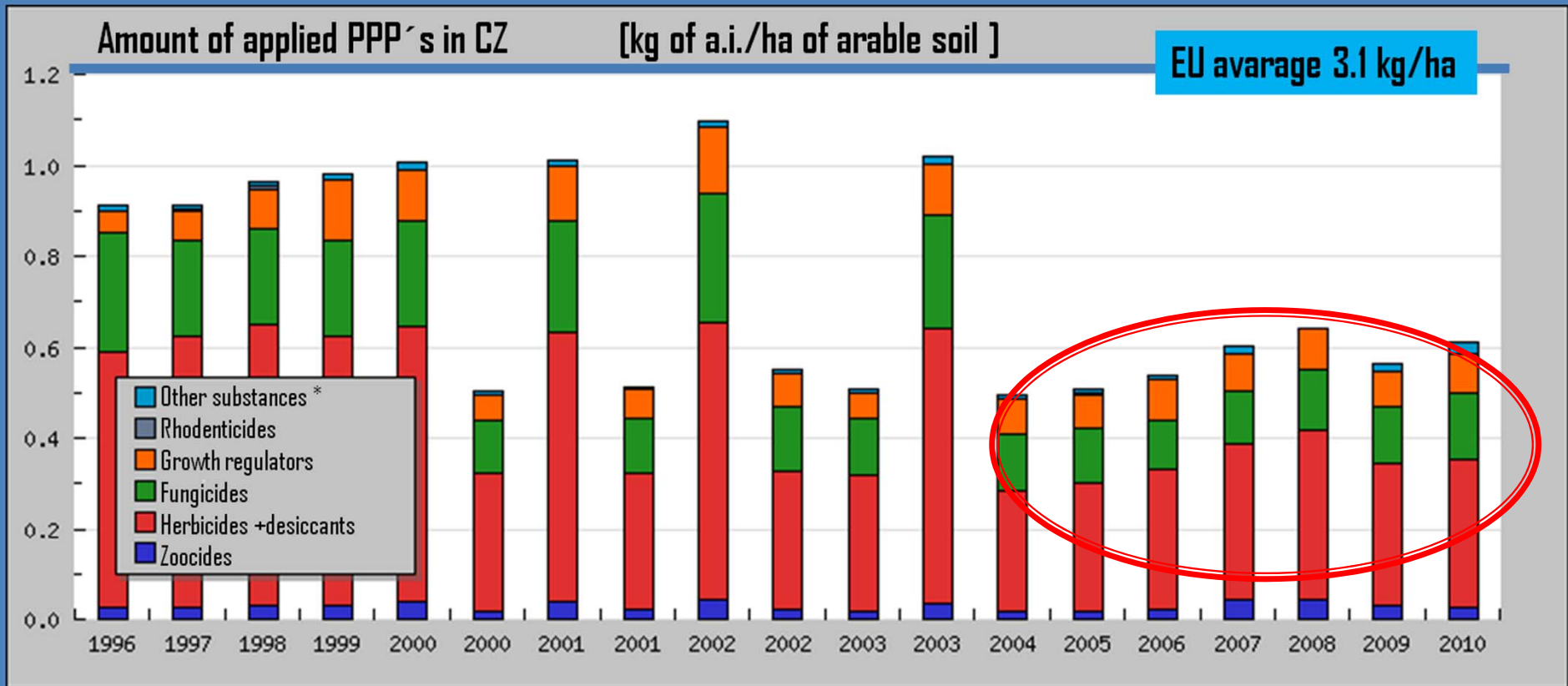
February 2012 – **1st draft of the NAP** specification of framework and aims of the NAP (followed by regular meetings of CWG to specify each aims and steps to fulfill requirements)



May 2012 – the Czech NAP was finished and published on websites of Ministry of Agriculture for public comments

The NAP

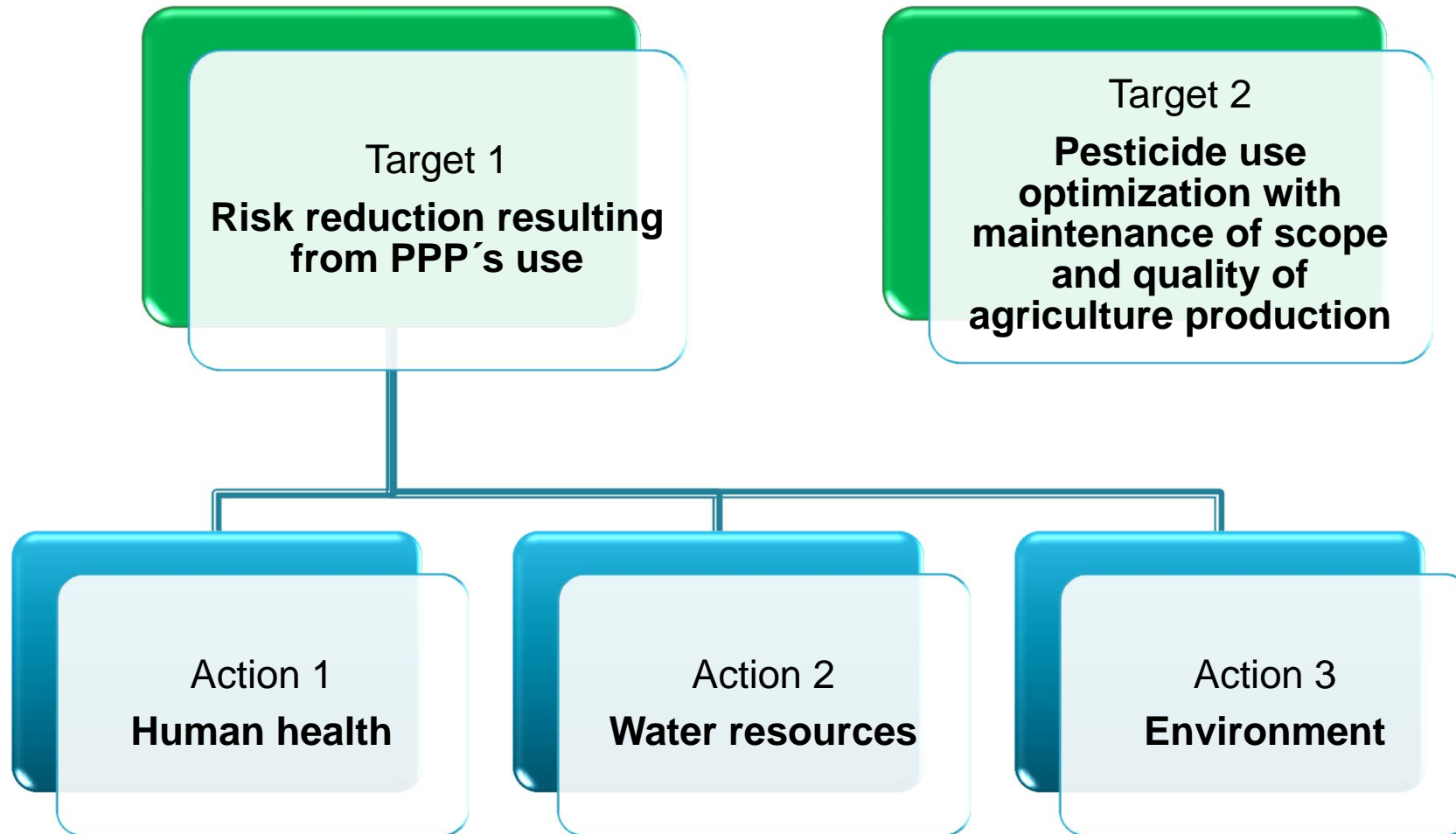
- ▶ The final version **was approved by the Government of CZ in September 2012**
 - ▶ Each steps will be implemented gradually in years **2012-2020**
 - ▶ Link activities of MoA with MoH and MoE
 - ▶ Will be **checked every 5 years**
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- ▶ The English approved version will be published as soon as possible on web pages of MoA and distributed among the Commission and the MSs



*Other substances -repelents, mineral oils, additives, etc.

Source: <http://issar.cenia.cz/issar/page.php?id=1608>

Main targets of the NAP



**Target 1
Risk reduction
resulting from
PPP's use**

Action 1 Human health



Reducing health risks caused by pesticides to users and bystanders

Reducing health risks caused by presence of pesticide residues in plant commodities, food and feed

Re-evaluating procedures of approval of fertilisers according to Regulation No. 1107/2009

Limiting health risks caused by pesticides to general public in densely-populated or sensitive areas

**Measures: 14
Indicators: 2**

Target 1
Risk reduction
resulting from
PPP's use

Action 2

Water protection



Preventive measures to reduce presence of pesticide residues in surface and groundwater with preference to supplies of drinking water

Measures aiming at increasing effectivity of monitoring of residues in surface and groundwater

Legislative measures increasing effect of supervision on correct principles of use of pesticides

Measures aiming at decreasing pesticides use in „sensitive“ areas

Risk reduction caused by pesticides to watercourses in non-agriculture areas

Measures aiming at reducing residues of pesticides in drinking water in „sensitive“ areas where pesticide regulation is not sufficient

Measures: 14
Indicators: 14

Target 1
Risk reduction
resulting from
PPP's use

Action 3

Protection of the environment



Reducing risks
caused by
pesticides to
the
environment in
areas
important from
the point of
nature and
landscape
protection

Measures: 6
Indicators: 3

Target 2

Pesticide use optimization



Support of development, improvement, updating low pesticide-input pest management procedures applicable in economic and production conditions in CZ with maintenance of quality

Introduction of control system for keeping rules of IPM including requirements for supervising inspectors, establishment of system of integrated control (harmonize activities of supervising bodies)

Measures: 11
Indicators: 6

Indicators .. CZ approach

- ▶ Inconsistency in data on consumption of pesticides (national methodology for data collecting on use of pesticides has been changed recently)
- ▶ Insufficient monitoring of pesticide side effects on non-targeted organisms



- ▶ Development of indicators based on the general targets/measures of the NAP
- ▶ After adoption of harmonized indicators – these will be implemented into the CZ NAP

Quantitative indicators (accomplished by the year 2020)

1. **10% residue reduction in plant commodities produced on the territory of the CZ**
 2. **Reduction of underground and surface water resources with inconvenient chemical content**
(compared to the period 2008-2010)
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General indicators

1. Number of holders with certification
2. Number of controls (compliance with rules of safely handling with PPP's and facilities)

Other indicators (for specific actions)

- ▶ Number of accredited advisors
- ▶ Number of approved PPP's for ORG, IP and IPM systems and minor use
- ▶ Number of IPM training courses
- ▶ Number of adopted measures for risk reduction in endangered areas
- ▶ Number of surface and underground water samples with residues
- ▶

What steps need to be done ...

- ▶ Interlinking activities between Ministries
- ▶ Arising public awareness (nGO)
- ▶ Building up phytosanitary advisory system !!!
- ▶ Extending surveillance and checking system for control of residues
- ▶ Providing information on buffer zones to farmers and ensure communication between GO, farmers and water management
- ▶ Improvement of monitoring PPP's residues in surface and underground water and establishing control system

What steps need to be done ...

- ▶ Risk reduction of applied PPP's in endangered, non-agricultural areas (along roads and tracks) and protected areas
- ▶ Support and optimize of IPM methods (emphasize non-chemical methods and local production) and establish control system !!!
- ▶ Setting up criteria for recommendation of PPP's for IPM (minor use authorizations - lack of PPP's for IPM) !!!
- ▶ Support of agricultural research (focus on non-chemical methods)
- ▶ Interlinking knowledge of current systems of low pesticide-input pest management (ORG, IP) !!!

Outcomes

- ▶ **Fytoportal** (special web portal for farmers)
- ▶ Code of conduct for PPP's handling
- ▶ Plant protection advisory system
- ▶ Support of ready-to-use packing and rising public awareness about prohibiting of toxic PPP's
- ▶ Interlinked system of monitoring of residues and sharing information between GO and nGO (effect of PPP's on biodiversity)
- ▶ Hot spot management plus delimitation of buffer zones!
- ▶ Harmonizing activities of MoE and MoA (CC and GAEC) !!!

Conclusion

- ▶ 69 measures for NAP implementation (40/69 from current capacity)
- ▶ 18 measures focus on transformation of current systems of data collecting, transforming and evaluation (1,0 mil EUR/year from the budget of involved Ministries)
- ▶ Agricultural research (current capacity plus Program Comprehensive sustainable systems in agriculture “CSS”)
- ▶ Budget (1,3 mil EUR/year)

Thank you for your attention ..

