

UNDP/GEF DANUBE REGIONAL PROJECT

Theme 2: Agriculture and Diffuse Pollution



Why the DRP Intervention?

- » Black Sea impacts from nutrients
- » Significant N/P from agriculture
 - » RR result and daNUbs project
- » UNDP Pollution Reduction Programme / TDA
- » Decline of agriculture in mid '90s
- » Future threats from increasing agriculture production



DRP Actions on Agriculture & Diffuse Pollution

- » 1.43 M USD
- » 9 Contracts
- » 5 Workshops (>150 participants) plus.....
- » 38 Small Grant projects
- » Summarised in 12 Fact Sheets and Background Stories



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Agriculture & Diffuse Pollution - Overview

- » Policy Assessment
- » BAPs
- » Pilot Farm evaluation of BAPs
- » MONERIS
- » NGO activities



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Agriculture – Key Achievements

- » Best Agricultural Practices
- » Pilot Farms
- » NGO activities



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Agricultural Policy

- » Development of Strategic Aims
 - » Reduced pollution
 - » Improved compliance and enforcement
 - » Economic instruments
 - » Capacity building for extension services
 - » Promotion of organic and low input farming



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Best Agricultural Practice

» Defined as: ...

'...the highest level of pollution control practices that any farmer can reasonably be expected to adopt when working within their own national, regional and / or local context within the Danube River Basin'

» 15 BAPs developed and tested in pilot farms



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Pilot Farms

- » 8 Family Farms in Vojvodina, Serbia
- » 472 ha with 288 animal units
- » Training of farmers and advisors
- » Soil analysis & nutrient balances
- » Estimate:
 - » Reduced release by:
 - o 14t N/a;
 - o 2t P /a
 - o 160 kg pesticides / a
 - » Effectively reduced by ~ 50% vs no BAPs
- » Installed manure platform



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Replication in the lower Danube

- » Dissemination
 - » 87 workshops with > 2500 participants
 - » 91 media / promotional events in 7 countries – inc. 37 tv/radio
- » Anticipated benefits if BAPs implemented:
 - » Reduction of > 500,000 t/yr N
 - » Reduction of > 90,000 t/yr P



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BAPs - Recommendations

- » Successful implementation of BAPs require:
 - » Legislation, regulations etc.;
 - » Inspection and enforcement;
 - » Farm Advisory Services;
 - » Support schemes;
 - » Education and training;
 - » Awareness raising;
 - » Co-operation between farmers.



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NGO actions on Agriculture

- » Many examples of good projects
- » MD – Promotion of good agricultural practices
 - » Trials of organic / environmental friendly methods
 - » 30 farmers **paid** to participate
 - » Involved RO and UA farmers
 - » 25 radio & newspaper
 - » Farmers seeing improved yields
 - » Region now using 30x less chemical fertilisers and now manure utilised
 - » NGO is now to work in an EC project in Prut on BAP



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Agriculture – Sustainability / Challenges

- » CAP Reform
- » Facilitate dialogue farmers
- » Support strengthening of permitting, inspection and enforcement
- » Investments for manure handling and advisory services
- » Coordinate donor interventions



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