

TOWARDS THE DEVELOPMENT
OF FUNCTIONAL TOOLS
FOR PESTICIDE RISK
ASSESSMENT AND
MANAGEMENT IN EUROPE

FOOT-FS

for farmers and extension
advisers at the farm scale

FOOT-CRS

for local authorities and water managers
at the catchment scale

FOOT-NES

for decision-makers and registration
authorities at the Member States
and EU level

THE 3 FOOT
TOOLS WILL SHARE
THE SAME
UNDERLYING SCIENCE

FOOTPRINT is a Specific
Targeted Research Project of
the 6th European Union
Framework Programme
on Research and Development



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FOOTPRINT

FUNCTIONAL TOOLS
FOR PESTICIDE
RISK ASSESSMENT
AND MANAGEMENT
IN EUROPE



SIXTH FRAMEWORK
PROGRAMME



THE EU PROJECT FOOTPRINT

FOOTPRINT is a research project funded by the European Commission under the 6th Framework Programme

The 3-year project which started in January 2006 involves 15 partners from 9 European countries

The project aims at developing 3 coherent tools for pesticide risk assessment and management for use by 3 user communities



FOOT-FS

MAIN TARGET USERS
farmers and extension advisers

FOCUS

- identify contamination pathways at the scale of the farm
- provide site-specific recommendations to limit pesticide transfers

FORM
stand-alone application and web portal



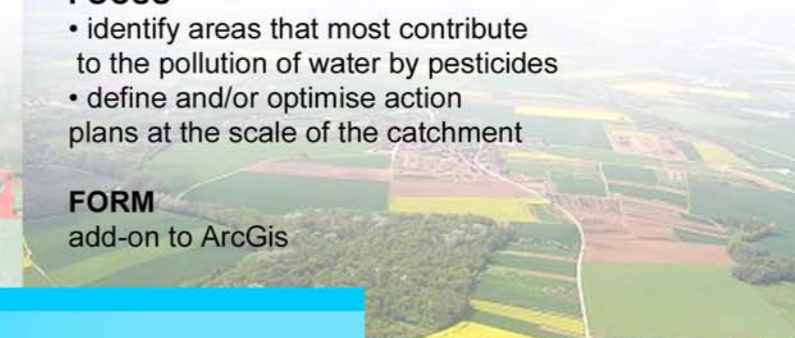
FOOT-NES

MAIN TARGET USERS
EU and member-states policy- and decision-makers, pesticide registration authorities

FOCUS

- identify areas that most contribute to the pollution of water by pesticides
- define and/or optimise action plans at the scale of the catchment

FORM
add-on to ArcGis



FOOTPRINT



RELEVANCE OF THE WORK

The tools developed within the project are expected to make a direct contribution to the revision of the EU directive 91/414, the Water Framework Directive and the future Thematic Strategy on the Sustainable Use of Pesticides

FOOTPRINT benefits from the input of an Advisory Committee with representatives of stakeholders and potential future users of the FOOT tools



FOOT-CRS

MAIN TARGET USERS
local authorities, water managers

FOCUS

- identify areas that most contribute to the pollution of water by pesticides
- define and/or optimise action plans at the scale of the catchment

FORM
add-on to ArcGis



UNDERLYING SCIENCE

The project will define a large number of generic scenarios to represent unique combinations of agronomic practices, soil and subsoil hydrological characteristics and climates

The 3 FOOT tools will be based on pesticide fate models (e.g. MACRO, PRZM) and fast-running 'carbon-copies' of these models

The models will be run for millions of times using a dedicated modelling architecture making use of corporate PCs during their idle time

