

# FOOTPRINT

Functional **T**ools for **P**esticide  
**R**isk Assessment and  
**M**anagement

**FOOT-FS**  
The Farm Scale Tool



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## The FOOT-FS tool



- > To be used at the farm level by extension advisers and farmers
- > Emphasis on:
  1. Identifying the pathways and areas most contributing to contamination of water resources by pesticides
  2. Providing site-specific recommendations to limit transfers of pesticides in the local agricultural landscape
- > Stand-alone application & web portal



## What is FOOT-FS and what will it do?

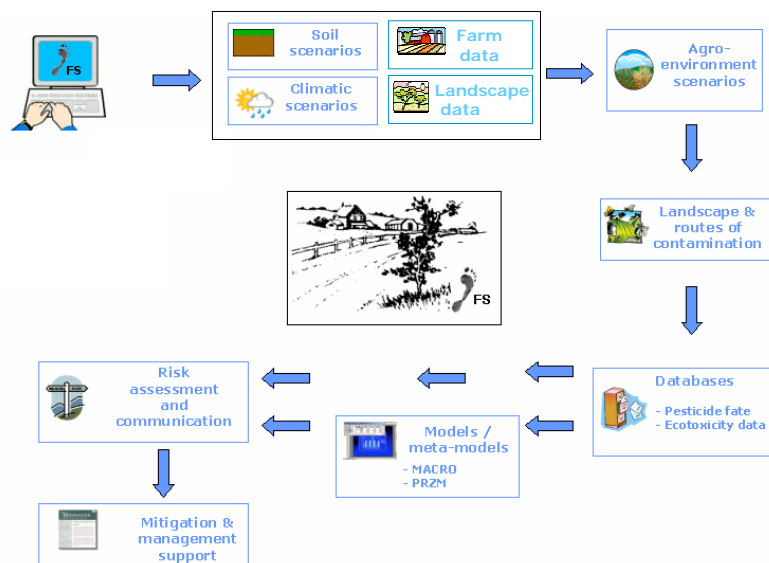


- > Designed principally for farmers and their advisers
- > Will be applicable across Europe
- > Help develop environmentally sound pesticide strategies
- > Identify activities & pathways which contribute most to aquatic pollution
- > Provide site specific recommendations to limit transfers of pesticides to local environment
- > Available for PC use and on-line via portal for remote use



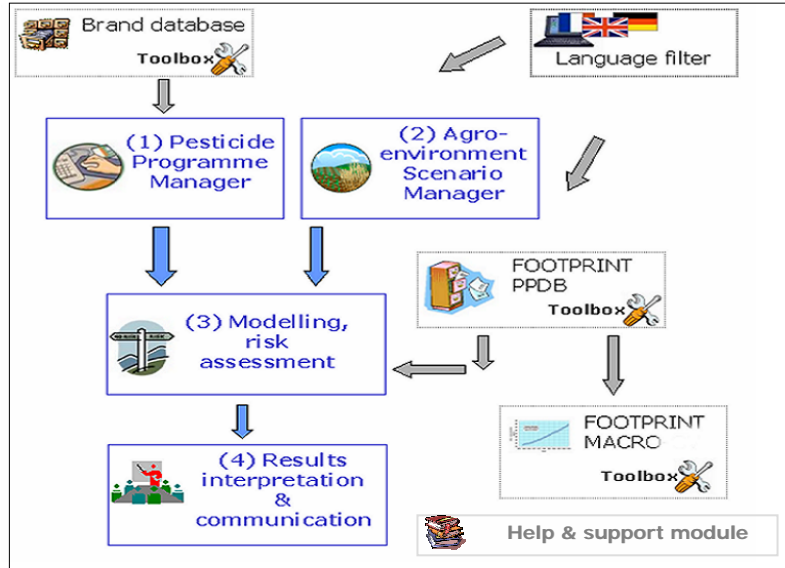
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## How does the science fit together?



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## What will it look like? Foot-FS PC version



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## What will it look like? FOOT-FS On-line



User visits website & downloads software tools &/or forms to submit necessary data.



Electronic files or completed forms uploaded or emailed to website.



FOOT-FS run automated. Appropriate reports generated.



Reports returned to user by email or link to protected website for download

The aim is to help avoid frustrated users....



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## Software designed specifically to -



- > Minimise & simplify user input
- > Offer 2 formats - PC & online/remote version
- > Offer user flexibility - meta-models or real-time models
- > Provide user support via on screen help text, 'show me' videos, best practice guidance etc.
- > Brand vs active issue partially resolved via provision of unpopulated database & user interface.
- > Automated translation into 9 EU languages



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## Where are we now?



- > Producing software specification:
  - Establishing data and information flows throughout FOOT-FS tool
  - Standardising data format and storage
  - Developing data exchange protocols
- > Testing various methods of data inputs for
  - Simplicity, flexibility, speed of use
  - User-friendliness
  - Presentation
- > Developing language dictionary and filter



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## Next steps



- > Begin to build & test software
- > Develop & evaluate interpretation and communication techniques.
- > Develop mitigation and management support techniques
  - rule based approach depending on farm data / farmer practices e.g. information in mitigation/remediation review
  - advice provision based on application rate and date?
    - where might we obtain such data for majority of pesticides??



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SIXTH FRAMEWORK PROGRAMME



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