



Welcome to FOOTWAYS

FOOTWAYS is a company specialised in the development of online turn-key solutions to assess and manage **the risks of pesticides being transferred to water resources**.

FOOTWAYS offers:

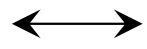
- on-line tools which allow its clients to:
 - **assess quantitatively the transfer of pesticides** to groundwater and surface water
 - **come up with pragmatic solutions** to reduce pesticide transfers and impacts
- risk assessment studies (maps, estimation of concentrations)
- training in pesticide risk assessment and the use of risk assessment tools



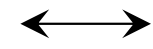


Web-based solutions for all scales and all stakeholders!

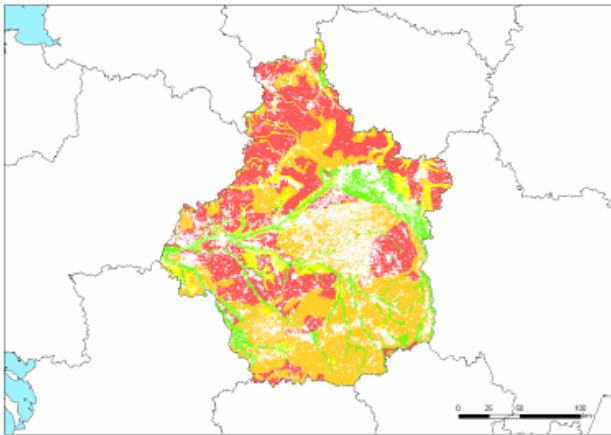
Regions and water basins



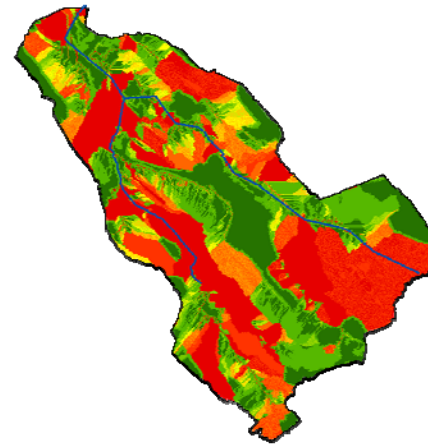
Catchments



Fields and farms



Water quality managers



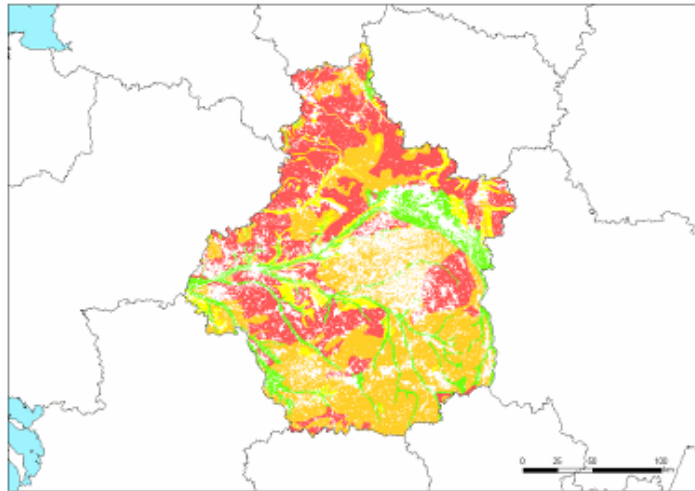
Extension services



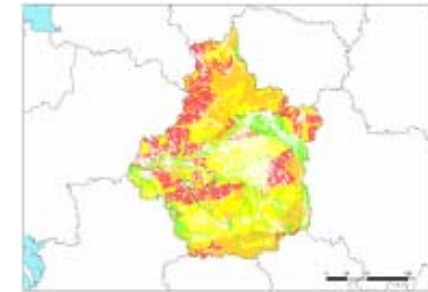


Mapping tools for water quality managers

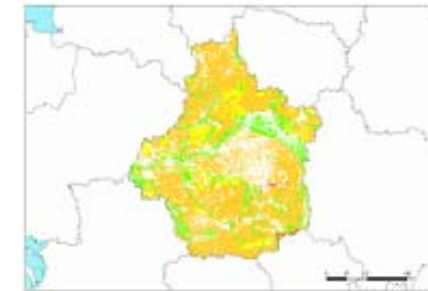
From initial diagnostics to action plans



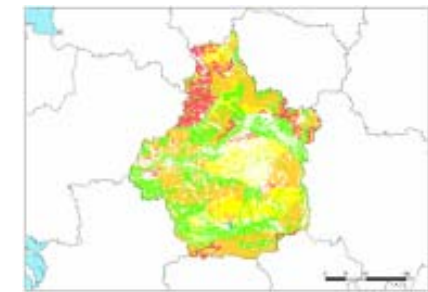
Change of application date



Product substitution



10-m buffer zone



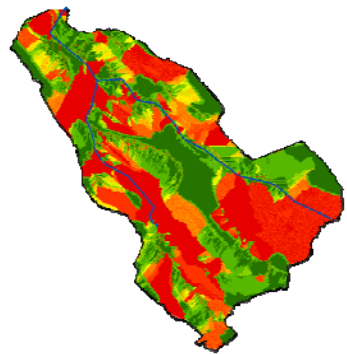
The map above shows concentrations in surface water resulting from transfers of a reference pesticide through runoff and erosion. Our tools allow users to assess the efficiency of alternative solutions to limit the transfer of pesticides to water resources (see maps on the right).





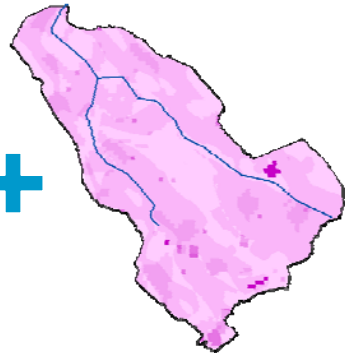
Tools for catchment management

For the protection and sustainability of water resources



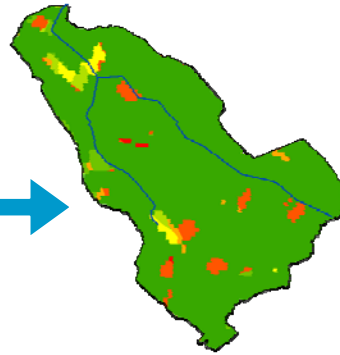
Contribution of individual fields to contamination at the catchment outlet

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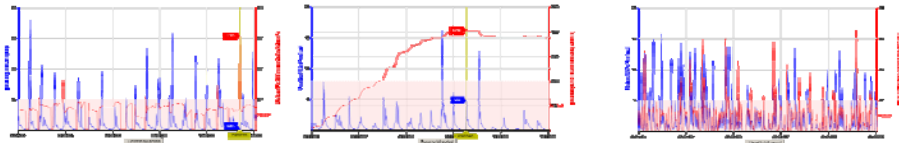


Field losses for individual pesticides

=>



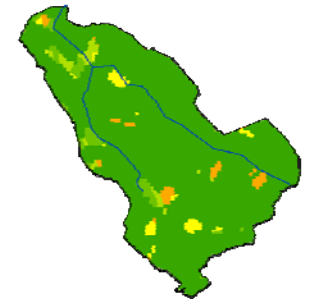
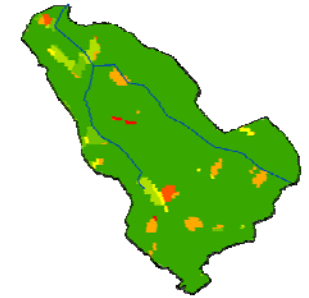
Risk indicators for individual fields and the catchment area



Change of application date

Product substitution

10-m buffer zone



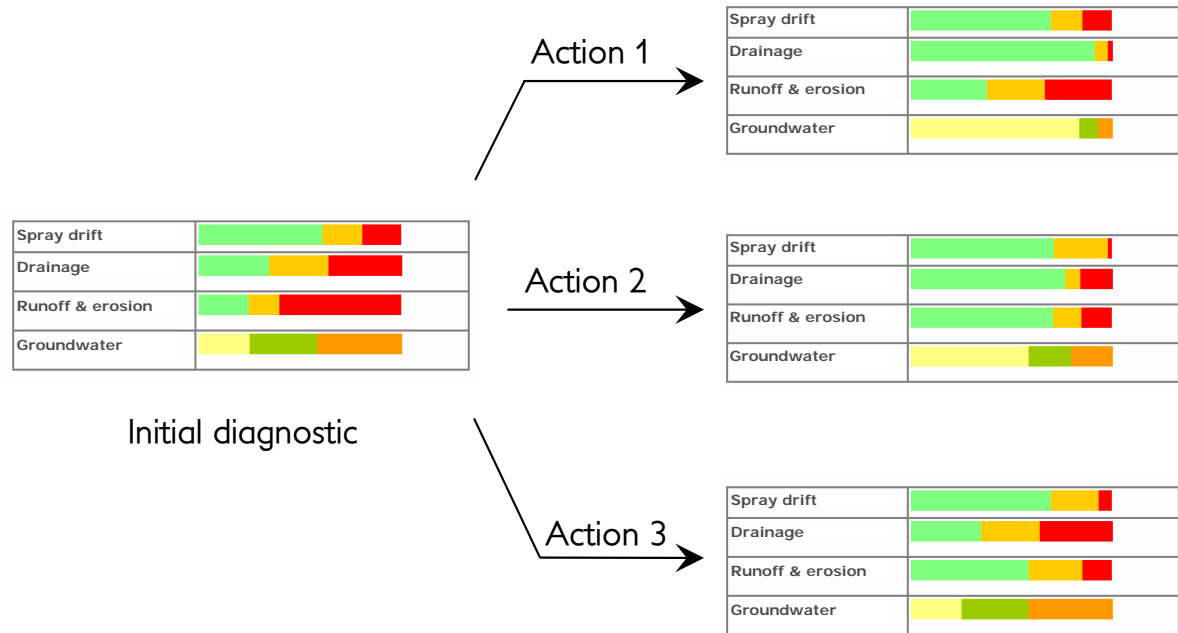
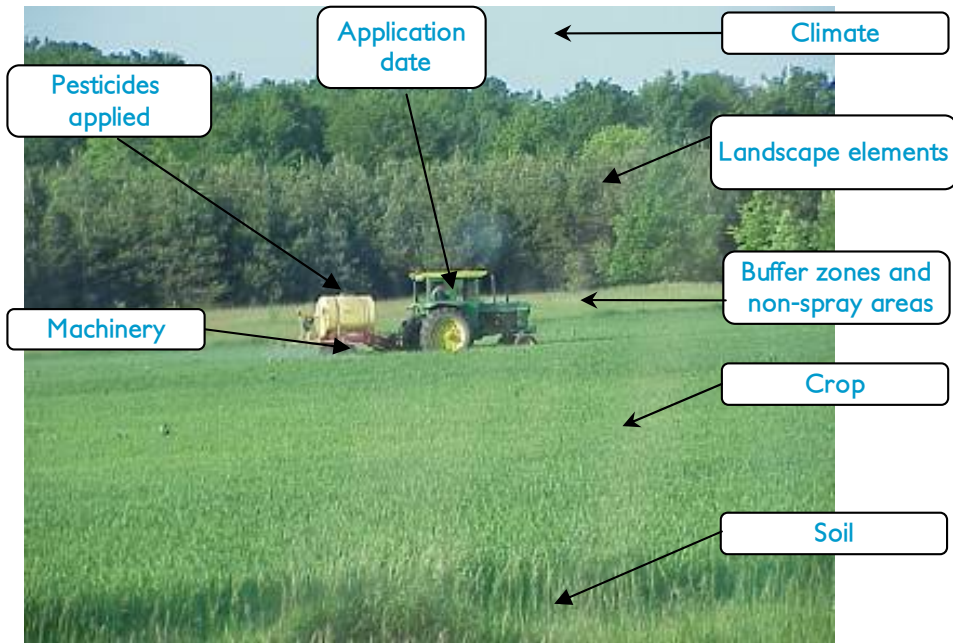
Our innovative tools are based on predictions of pesticide transfer through leaching, drainage, runoff, erosion and spray drift, **at a daily resolution**.





Decision-support tools for extension advisers

For an optimisation of pesticide use and a limitation of losses from fields



Our tools incorporate **all factors** which have an influence on pesticide transfer (see above). They allow the calculation of robust indicators which can be used to identify risk situations and suggest adequate **mitigation measures** to put in place.



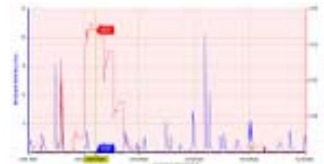


The FOOTWAYS methodology

Our approach comprises the following three steps:

1. **Characterization of agricultural areas where pesticides are used in terms of climate, soil and cropping features.** We can either integrate your databases or use our own sources.
2. **Simulation of the environmental fate of pesticides towards groundwater and surface water using our supercomputer.** The models we deploy originate from registration activities and cover leaching, drainage, surface runoff, erosion and spray drift. **The models we use have been validated** through a large range of scientific studies over the last 20 years, comparing measured and simulated concentrations
3. **Integration of the results in turn-key online tools which address the specific needs of our clients.** Input and output web interfaces are user-friendly and can be adapted to reflect user needs.

Our extensive know-how in the field allows us to offer quantitative estimates of pesticide transfer in the environment and innovative tools to i) identify locations / areas / practices / compounds which are likely to lead to a contamination of water resources; and, ii) find appropriate solutions to limit risks where identified.





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FOOTWAYS is operational in all 27 EU Member States and has a true European dimension. We speak English, French, German, Spanish and Portuguese and are used to travel throughout Europe for our clients

