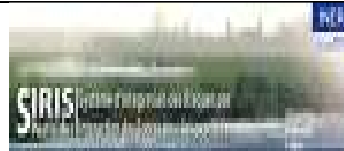
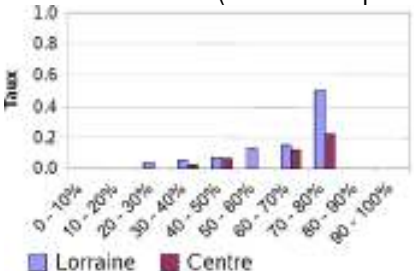
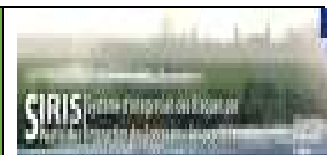


10.SIRIS		
FAIRWAY partner: Nicolas Surdyk (BRGM, FR)		
Brief description		
SIRIS-Pesticides is a decision support tool that allows classifying pesticides according to their potential to reach surface water and groundwater. SIRIS-Pesticides help to organize the monitoring of pesticides in waters at the regional or local scale. It is a software tool developed around a simple interface.		
Contaminants covered (e.g. nitrate, pesticides etc.)	Pesticides	
Intended end users (e.g. farmer, water quality manager, policy maker)	Farmers and advisors; catchment managers	
Level of expertise and/or training required	Knowledge of pesticides transfer is required.	
Geographical resolution (e.g. field, catchment, national)	Field scale, catchment scale	
Temporal resolution (e.g. daily, annual, long-term).	Annual	
Real-time component (e.g. live weather data, soil moisture data feeds etc.)	None	
Number and type of mitigation measures included	None	
Platform (e.g. paper-based tool, phone app, bespoke software).	Online application In French	
Frequency of updates		
Cost/availability	Free (after registration)	
Number of users or number of copies distributed/downloaded/purchased	Online application / Not Known	
Links to demo material and other relevant information (e.g. user guides).	Manual (on line) in French : https://siris-pesticides.ineris.fr/guide_utilisation Other information in French at https://siris-pesticides.ineris.fr/	
Additional comments		

SIRIS																																		
FAIRWAY partner: Nicolas Surdyk (BRGM, FR)																																		
Input data required to run the DST	A database with the main properties of the pesticides is provided Doses uses on the catchment have to be provided																																	
Outputs (including links to water quality and economic or financial aspects)	No direct links to water quality (only potential) No link economic or financial aspects																																	
Age/provenance of supporting data used to develop the DST	Last update in 2012 ; The data come from French data bases or specific reports from INERIS (see https://siris-pesticides.ineris.fr/bibliographie)																																	
Country-specific calibration or data requirements (including restrictions on use)	The properties of pesticides are theoretically the same in Europe. For these parameters, no calibration is necessary. The users provide the data that are catchment/country specific (doses).																																	
Details of validation and testing	Some comparisons on rate of substance measured in the water (detected or above 0,1 µg) versus the substances classified by SIRIS are available (see an example below for two French regions)  <table border="1"> <caption>Data from the bar chart: Rate of substance measured in the water (detected or above 0,1 µg) versus the substances classified by SIRIS for Lorraine and Centre.</caption> <thead> <tr> <th>Percentage Range</th> <th>Lorraine (Rate)</th> <th>Centre (Rate)</th> </tr> </thead> <tbody> <tr><td>0 - 10%</td><td>0.00</td><td>0.00</td></tr> <tr><td>10 - 20%</td><td>0.00</td><td>0.00</td></tr> <tr><td>20 - 30%</td><td>0.00</td><td>0.00</td></tr> <tr><td>30 - 40%</td><td>0.00</td><td>0.00</td></tr> <tr><td>40 - 50%</td><td>0.00</td><td>0.00</td></tr> <tr><td>50 - 60%</td><td>0.00</td><td>0.00</td></tr> <tr><td>60 - 70%</td><td>0.00</td><td>0.00</td></tr> <tr><td>70 - 80%</td><td>0.15</td><td>0.15</td></tr> <tr><td>80 - 90%</td><td>0.50</td><td>0.20</td></tr> <tr><td>90 - 100%</td><td>0.15</td><td>0.15</td></tr> </tbody> </table> <p>A poster about the validation can be found here (in English): https://www.researchgate.net/publication/281626217_SIRIS-Pesticides_update_and_validation_of_a_decision_support_system_for_pesticides_monitoring_in_freshwater</p>	Percentage Range	Lorraine (Rate)	Centre (Rate)	0 - 10%	0.00	0.00	10 - 20%	0.00	0.00	20 - 30%	0.00	0.00	30 - 40%	0.00	0.00	40 - 50%	0.00	0.00	50 - 60%	0.00	0.00	60 - 70%	0.00	0.00	70 - 80%	0.15	0.15	80 - 90%	0.50	0.20	90 - 100%	0.15	0.15
Percentage Range	Lorraine (Rate)	Centre (Rate)																																
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Date developed/released (or planned release date)	First developed in 2006																																	
Author/developer names and affiliations	Ineris																																	
Member state(s) where developed	FR																																	
Member State(s) where currently used	FR																																	
Key publication references (including url)	Le Gall, A-G, Jouglet, P., Morot, A., Guerbet, M., (2007) SIRIS-Pesticides: update and validation of a decision support system for pesticides monitoring in freshwater. Conference: 17. SETAC Europe Annual Meeting, At Porto, Portugal. https://www.researchgate.net/publication/281626217_SIRIS-Pesticides_update_and_validation_of_a_decision_support_system_for_pesticides_monitoring_in_freshwater																																	

SIRIS

FAIRWAY partner: Nicolas Surdyk (BRGM, FR)



Any other useful information (e.g. screenshots of DST input/outputs)

Here is the online presentation of the results. These graphs show the ranks SIRIS vs parameters of toxicity and ecotoxicity. These charts are used to evaluate quickly and on the first approach if substances have a high rank SIRIS and if tox or ecotoxicology criteria are of concern.



[Accueil](#)

Soumettre un formulaire

Résultats

Sur cette page, le résultat du calcul est consultable sous la forme d'un fichier téléchargeable. Ce fichier contient toutes les informations disponibles dans la base de données SIRIS-pesticides ainsi que les quantités calculées par utilisateur, les modalités attribuées à chaque paramètre ainsi que le rang calculé par SIRIS.

Sont également présentés les graphes de corrélation entre le rang et le DUA d'une part, et le rang et le D50 d'autre part.

BOIER D'ENTRÉE / SORTIE

[Télécharger le fichier d'entrée/sortie](#)

EAU SOUTERRAINE

13 substances ont été retirées du graphique car leurs DUA sont nulles ou inconnues.

DUA des substances classées par rang

11 substances ont été retirées du graphique car leurs D50 sont nulles ou inconnues.

D50 des substances classées par rang