Environmental fate

Supporting registration from strategy to approval

Developing and maintaining plant protection products requires a thorough understanding of environmental fate, exposure, and regulatory requirements. Ramboll provides integrated scientific and regulatory support throughout the entire product lifecycle, from early strategy and study planning to dossier submission, defence and post-approval stewardship.

Our Environmental fate specialists combine scientific expertise with a deep understanding of EU and international regulatory frameworks for plant protection products. As part of multidisciplinary teams, they help clients navigate regulatory challenges and support successful product registrations in global markets.

Environmental fate services throughout the regulatory lifecycle

We support active substance approvals, product authorisations, renewals and stewardship programmes, translating complex scientific data into robust regulatory strategies, dossier submissions and responses to authority requirements.

Our expertise

- Data gap analyses, completeness checks and testing strategies
- Study planning, monitoring and interpretation
- Critical review of environmental fate datasets and regulatory compliance
- Kinetic assessments and derivation of regulatory endpoints
- Exposure modelling and environmental risk assessment in accordance with EU and national regulatory guidance, including PECsoil, PECgw, PECsw and PECair calculations, additional exposure pathways, and higher-tier refinements
- Drinking water treatment assessments
- Active substance and product dossier preparation
- IUCLID dossier creation and maintenance
- Responses to authority requests and regulatory support during evaluations, renewals and post-approval stewardship

Helping you navigate every stage of your product lifecycle



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Integrated expertise across disciplines

Environmental fate is at the core of regulatory risk assessment and supports decision-making across the key disciplines:

- **Ecotoxicology**: exposure assessments for aquatic & terrestial organisms, pollinators, and metabolites
- **Toxicology**: ground water metabolite assessments and human health considerations
- **Residues**: rotational crop assessments, soil persistence, and residue carry-over
- **Physico-chemistry and analytics**: drinking water and air assessments, analytical strategies, and method development
- **Efficacy**: understanding environmental behaviour to support effective and sustainable product performance
- **Regulatory affairs**: regulatory strategy, dossier preparation, and authority interactions.

Why partner with Ramboll?

- ✓ Integrated support from early development to registration and stewardship
- ✓ Environmental fate specialists embedded within a global team of plant health and nutrition experts
- ✓ Expertise across Europe, UK, North America and APAC
- ✓ Strong experience in active substance approvals, renewals and product authorizations
- ✓ Proven study monitoring and regulatory support capabilities
- ✓ Access to complementary expertise in ecotoxicology, toxicology, residues, physico-chemistry, efficacy and regulatory affairs.
- ✓ Scientific excellence combined with practical regulatory solutions



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