



SPRINT

SUSTAINABLE PLANT PROTECTION TRANSITION

Regulatory Policy

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Pre-market Assessment

Reg. (EC) 1107/2009

Post-market Surveillance



Active Substances (AS) Approval

Reg. (EU) 283/2013, EFSA Guidance, Reg. (EU) 540/2011



Plant Protection Products (PPP) Authorisation

Reg. (EU) 284/2013, EFSA Guidance

Monitoring

SUD (2009/128/EC), WFD, GWD, DWD, Soil Monitoring Directive

Targeted Risk Reduction & Prioritization

SUD (2009/128/EC), Farm to Farm, Biodiversity Strategy

Re-assessment

Reauthorisation

Reg. (EU) 2020/1740 (AIR)

Candidates for Substitution

Reg. (EC) 1107/2009, Art. 24

Withdrawal, following new evidence

Reg. (EC) 1107/2009, Art. 21

Data Requirements: Pre-market risk assessment (AS and PPP)

	Hazard	Exposure
Environmental Risk Assessment	<p>Ecotoxicological Studies</p> <p>(Reg. (EU) 283/2013, Sec. 8 Reg. (EU) 284/2013, Sec. 10)</p>	<p>Fate and Behaviour in the Environment</p> <p>(Reg. (EU) 283/2013, Sec. 7 Reg. (EU) 284/2013, Sec. 9)</p>
Human Health Risk Assessment	<p>Toxicological Studies</p> <p>(Reg. (EU) 283/2013, Sec. 5 Reg. (EU) 284/2013, Sec. 7)</p>	<p><u>Dietary Exposure: Residue in or on treated products, food and feed</u></p> <p>(Reg. (EU) 283/2013, Sec. 6 Reg. (EU) 284/2013, Sec. 8)</p> <p><u>Non-Dietary Exposure: Toxicological Studies</u></p> <p>(Reg. (EU) 284/2013, Sec. 7)</p>

Monitoring of Pesticide Residues

- Fragmented EU legal standards across matrices
 - Strict legal limits for food (MRLs) and drinking water
 - WFD – monitoring of pesticide “priority substances” (0.1 µg/L or total 0.5 µg/L)
 - **No standards set for air, soil, surface water or indoor dust**
 - Surface water – some national monitoring campaigns, but **no mechanism for linking monitoring results to risk assessment.**¹
 - **Human Biological Limit Values (BLVs)** – no standards for residues in humans
- Sustainable Use Directive (SUD)
 - Monitoring of occupational protection measures, compliance with WFD
- Soil Monitoring Law (accepted)
 - Monitoring of pesticide watch list
 - **No thresholds for legal action**

Policy Implications of SPRINT Work

- **Pre-market risk assessment** → develop methodology to enhance realism and account for uncertainty.
- **Environmental monitoring** → signal the extent of pesticides occurrence in environment and homes.
- **Human biomonitoring** → apply and showcase methods for monitoring pesticide mixtures in human samples (exposure).
- **Prioritization and targeted reduction** → develop monitoring-based prioritization approaches.
- **Scaling Up** → A toolkit of exposure and risk maps across Europe.
- **Transition to reduced PPP reliance** → Barriers to farmer adoption of PPP reduction and CAP recommendations.

SPRINT Conference

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