



Towards Inclusive and Informed Policymaking

Kevin Bosc – Global Regulatory Policy Leader

XVIII Symposium on Pesticide Chemistry
4 September 2026



Outline

How to ensure decision-making processes on pesticides policy and approvals consider the latest developments in risk assessment and management?

- Why predictability matters
- General guidelines on effective governance
- An informed model for pesticides policy
- A global initiative: the Sustainable Pesticide Management Framework

The Cost of Innovation

Latest **AgBioInvestor survey** for CropLife International (May 2026):

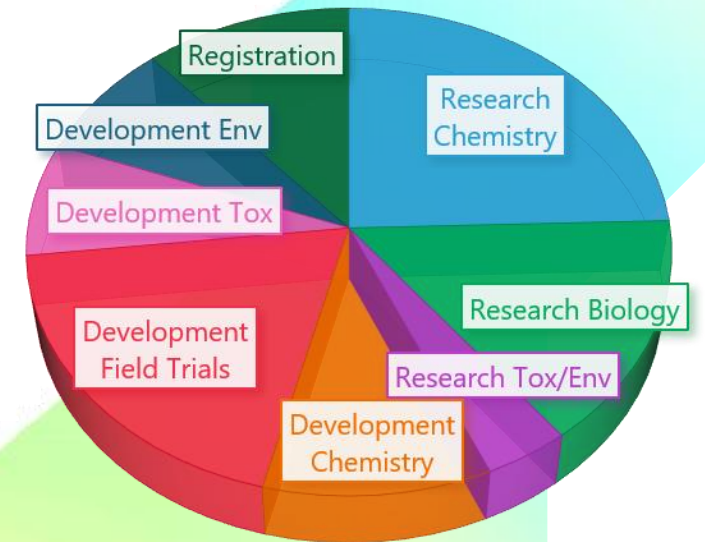
- **\$307 million:** average cost to bring new product to market
- **11.4 years:** average timeframe from discovery to market
- **+9.8%** increase in new active ingredient research spending 2019-2023

Context of:

- High regulatory data complexity
- Rising societal and policy expectations for sustainability
- Growing demand for food with expanding population
- Increasing climate pressures
- Geopolitical uncertainties, trade and food security concerns

➤ **Due to the long-term investments, industry rely on predictable and proportionate regulatory frameworks when making R&D decisions**

R&D COST NEW PRODUCT



UN Principles of Effective Governance

The United Nations endorsed 11 principles of effective governance for sustainable development, linked to 62 commonly used strategies recognized and endorsed over the years in various UN fora – including:

Competence

- Institutions require sufficient expertise, resources and tools



Sound Policymaking

- Coherent public policies founded on well-established grounds

Commonly used strategies include:

- Regulatory impact analysis
- National statistical systems and data sharing
- Science-policy interface
- Risk management frameworks

Collaboration,

Participation & Transparency

- All levels of governments and non-State actors working towards better policy

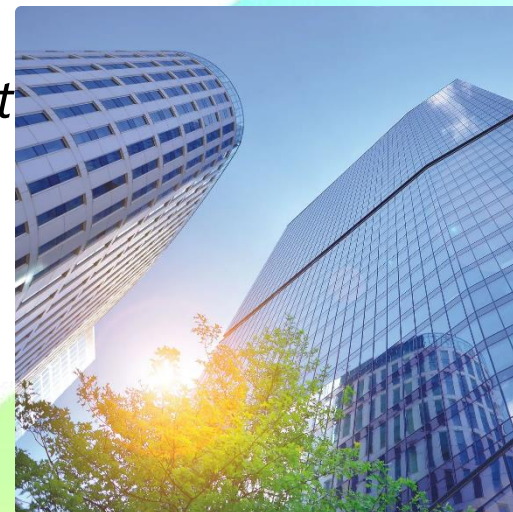
Includes:

- Multi-stakeholder partnership
- Public consultations
- Transparency in decision-making processes

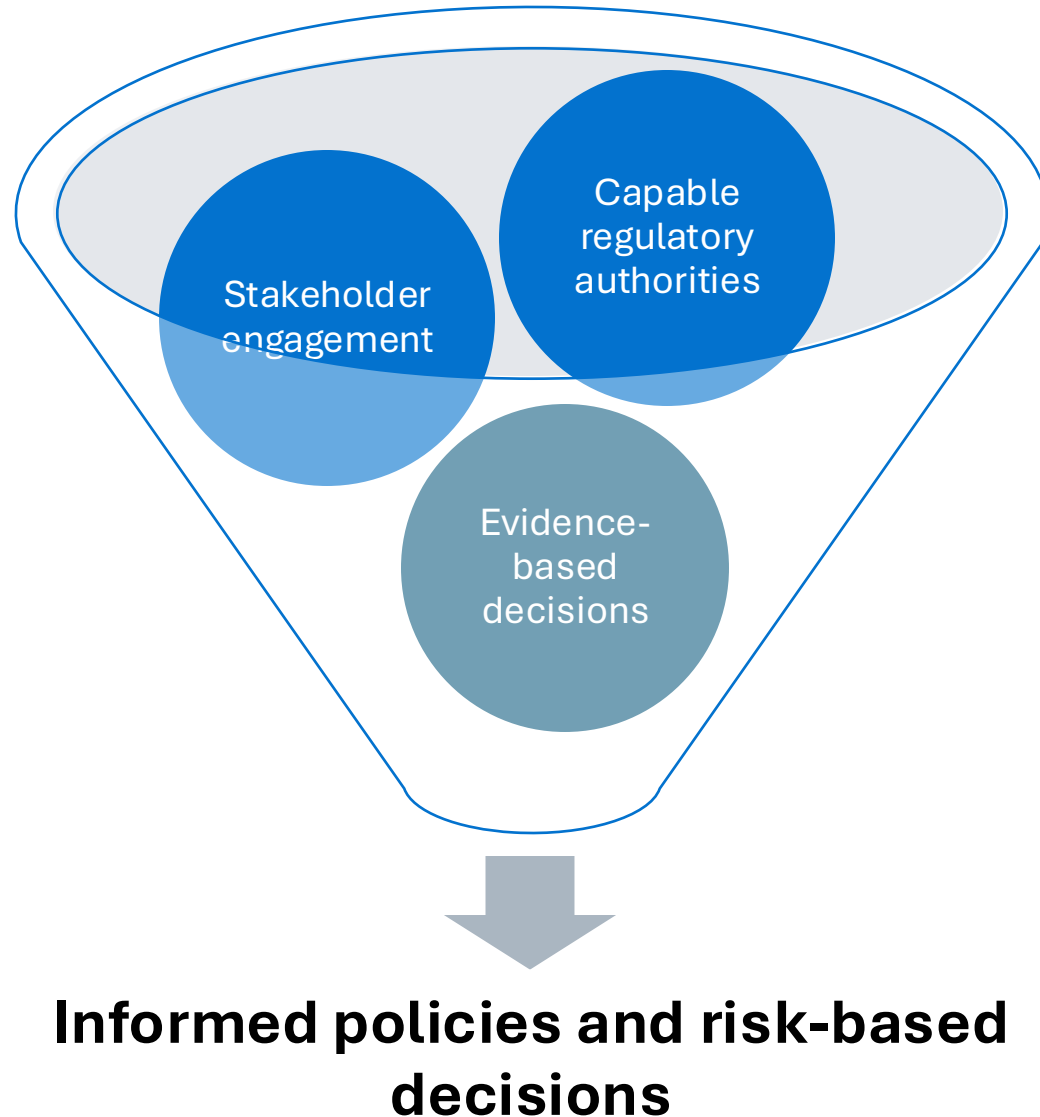
OECD Regulatory Policy Outlooks

Key findings from 2025 report:

- *Progress in adopting good regulatory practices has been **stagnating***
- *Fundamentals tools of better regulation such as **impact assessment** is more generalized and **transparency of rule-making** has improved but not across the board*
- ***“Box-checking” approach** with insufficient focus on outcomes*
- ***Engaging with affected parties** is key to transparent rule-making and generating buy-in and trust of rules*
- *Basing **decisions on evidence** is integral to successful rules*
- **A call for action to improve regulatory quality, encouraging policymakers to engage earlier and with a broader range of stakeholders**



Enhancing Pesticides Policy Processes



Capacity

- Sufficient resources and skills in risk assessors and managers
- Capacity building for developing countries
- Sharing best practices and strengthening regulatory governance and integrity

Stakeholders input

- Public and targeted consultations for key stakeholders – better inclusion of agri-food value chain
- Feedback mechanisms and science-policy interface – e.g., academic conferences
- Transparency in decision-making processes

Data

- Impact assessments before adoption of new policies
- Ensuring the latest risk assessment and management methods are taken into consideration before decisions on approvals are taken

➤ **Public confidence in regulatory decisions will depend on clear, transparent and credible risk communication**

A Few Concrete Best Practices

To ensure decision-making processes take into account latest risk management options:

- Providing applicants with a **fair opportunity to update dossiers** to meet latest guidance and data requirements before approval/renewal decision is made
- A **responsive feedback mechanism** between risk assessors and managers to ensure access to latest methods and models
- More opportunities to **consider precision applications** in risk management (e.g., drone-specific legislations)
- Providing a framework for assessing data generated by **new approach methodologies** (i.e., alternatives to animal testing)
- A **better reliance on global evaluations** and data sharing (e.g., OECD MAD; MRL setting based on Codex)



Spotlight on a global initiative

CropLife International

Sustainable Pesticide
Management Framework

Sustainable Pesticide Management Framework

A >\$13m initiative from CropLife International launched in 2021

- Funding 9 countries over 5 years
- Systemic implementation of the International Code of Conduct on Pesticide Management

Three pillars

- **Reduce reliance on HHPs** - via risk management measures
- **Increase innovation** – e.g., regulatory support; local IPM research
- **Responsible and effective use** - stewardship; container management; counterfeit

Activities include

- **Capacity-building** – e.g., on science-based risk assessment
- **Technical cooperation** – via farmers training and workshops
- **Information sharing** – e.g., global best practices of risk assessment; data generation



Conclusions

- Industry is making **long term investments** in innovative and sustainable solutions and rely on predictable, science and risk-based regulatory frameworks
- **Right governance needed** to facilitate policy uptake of new risk assessment and management developments
- **Positive changes in developed countries to implement effective regulatory governance but more is needed** – e.g., inclusive stakeholders consultations; agile frameworks to assess new technologies; outcome and evidence-based decisions
- Industry initiatives such as the SPMF aim to **enhance innovation and risk-based policy uptake in developing countries** to bridge the gap



Q&A

Contact: kevin.bosc@corteva.com

Thank You