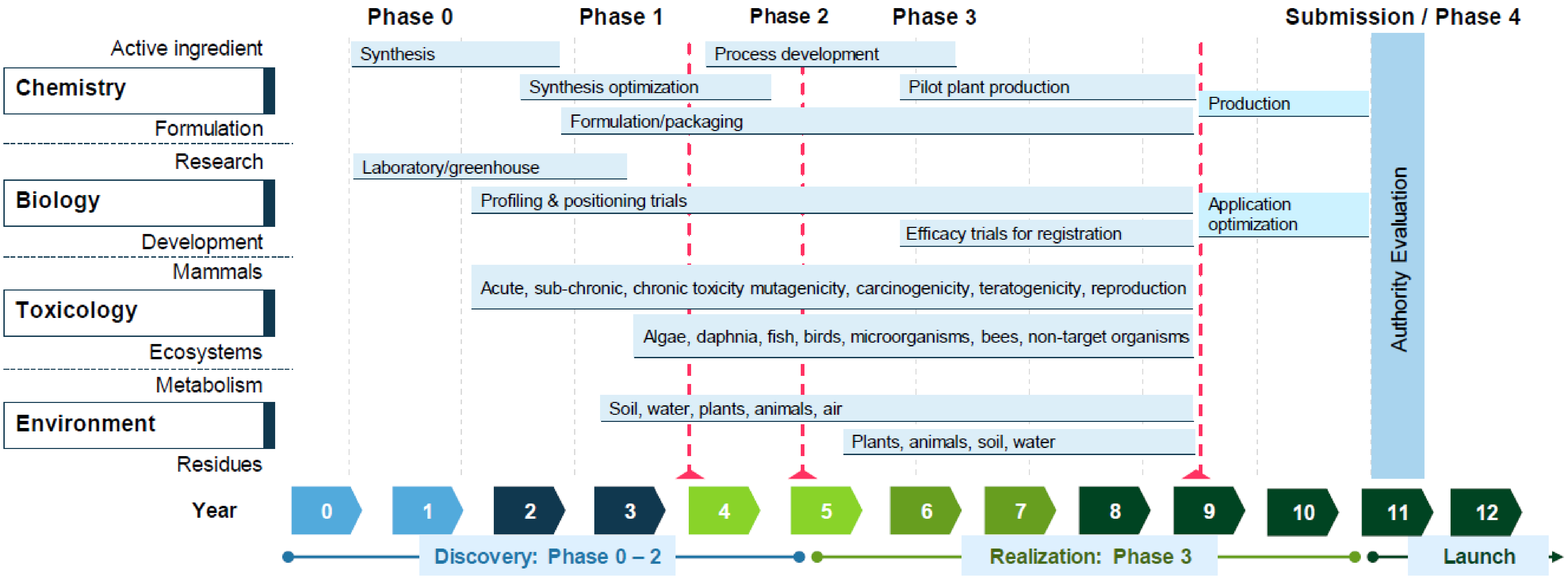
From Idea to Market – Crop Protection Product process overview



After 10 to 14 years and an average investment of about €286 million, one compound out of 100,000 substances reaches the market.

Transformation of Small Molecule Discovery to Enrich Pipeline with Novel and Sustainable MoA's

Advanced Discovery Engine

Computational Target Discovery
// **Discover selective and safe MoA**
by proprietary algorithms & omics

New Paradigm in Screening
// **Gain deep knowledge on biological systems**
by machine learning approaches & virtual screening and docking

Digital Chemistry
// **Explore unlimited virtual chemical spaces**
by AI supported selection, design & synthesis

Predictive Early Safety
// **Focus on registrability & sustainability**
supported by early in vitro tests & in silico predictive models

Novel MoA in Research Pipeline

100% *in Target Discovery*

>50 new molecular targets under investigation

>70% *in Early Research*

>60% *in Advanced Research*

Successful track record: Launched >15 active ingredients over the last 15 years