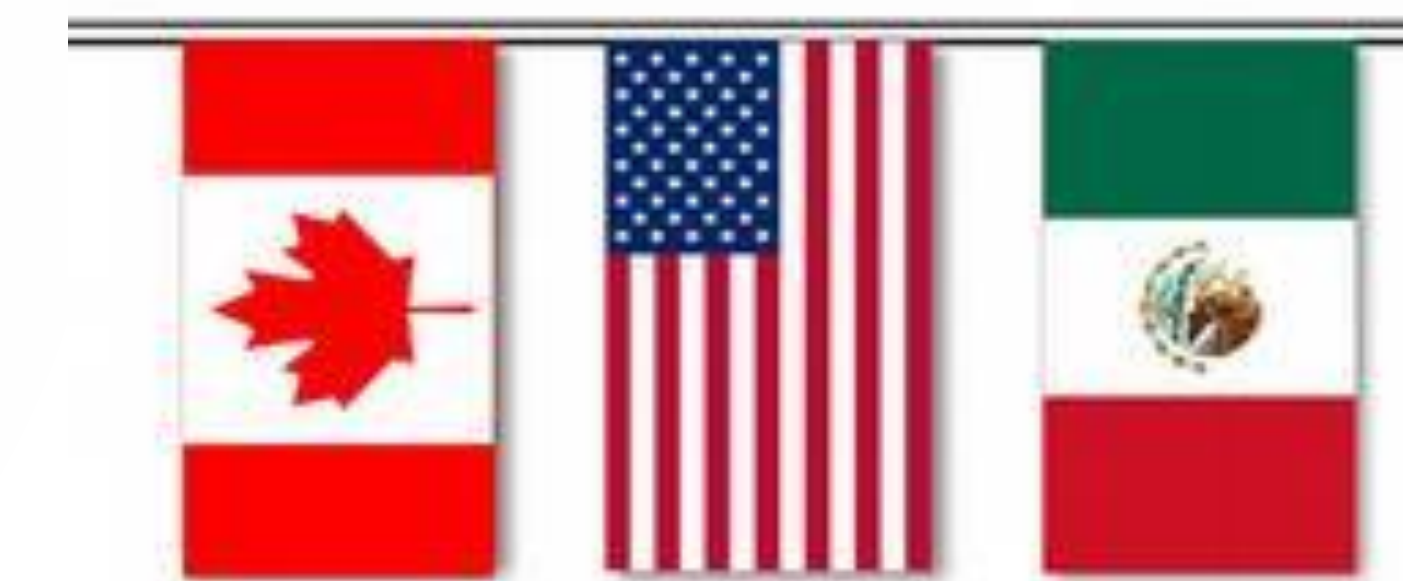


Precision Agriculture

Precision Safeguarding



What happens when Agriculture meets the digital age? **Precision Agriculture!**

What happens when Precision Agriculture meets regulatory science? **Precision Safeguarding!**

The central idea behind **Precision Agriculture** is leveraging technology to maximize profitability. It represents both a movement and a mindset toward better resource management based on precisely observing, measuring and responding to variability in crops and resources. The goal of precision agriculture is to optimize returns on inputs while preserving resources by using data and analysis-rich decision support systems for whole-farm management. It's not hard to imagine the complexity of the Safeguarding Continuum being analogous to a farm operation, and the objective of maximizing pest risk management being parallel to the objective of maximizing farm efficiency and sustainability. Limited resources and high stakes naturally drive both structures to leverage technology for better decision-making. **Precision Safeguarding**, like precision agriculture, is focused on the thoughtful use of information and technology to maximize the effectiveness of available resources.

Precision Agriculture

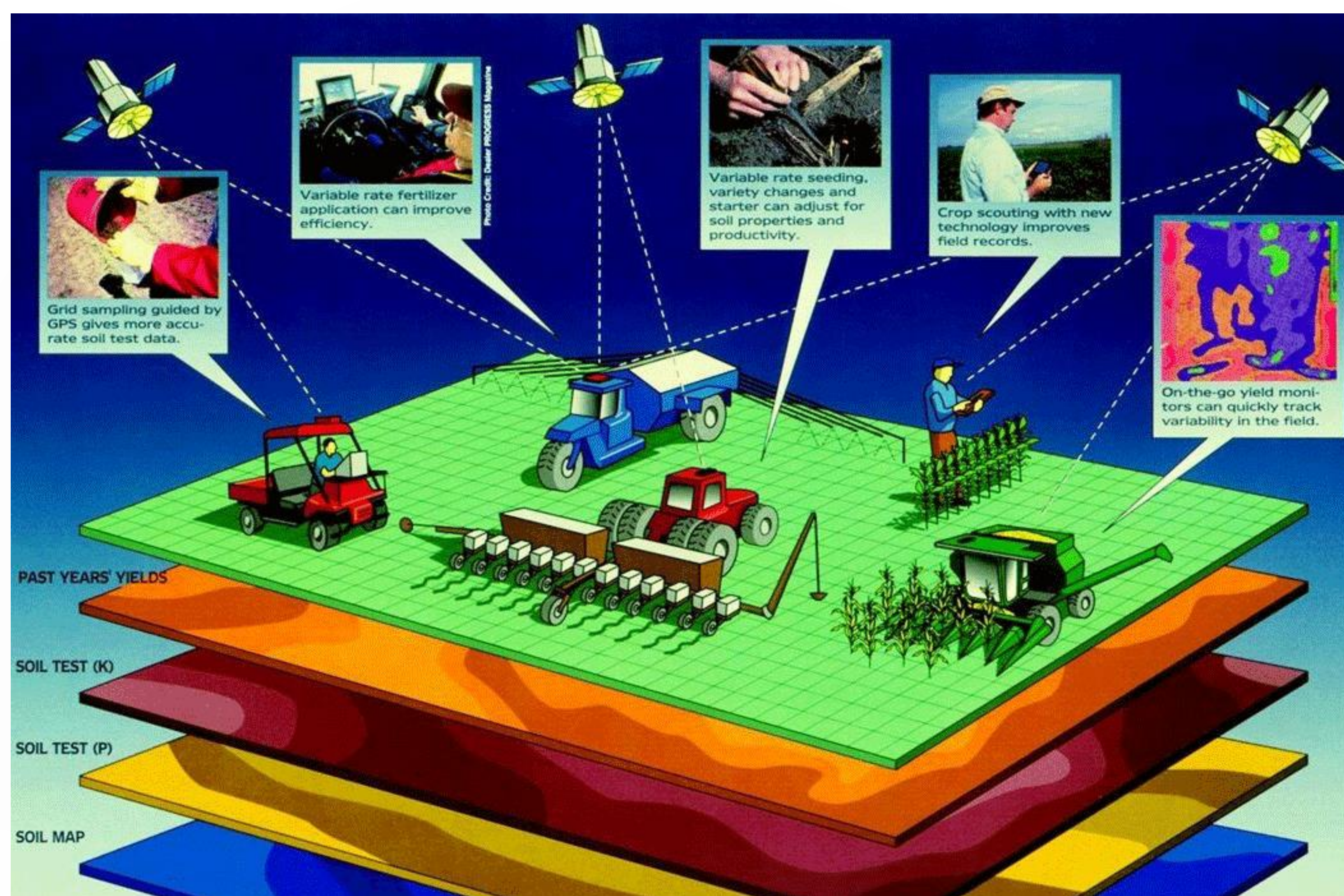
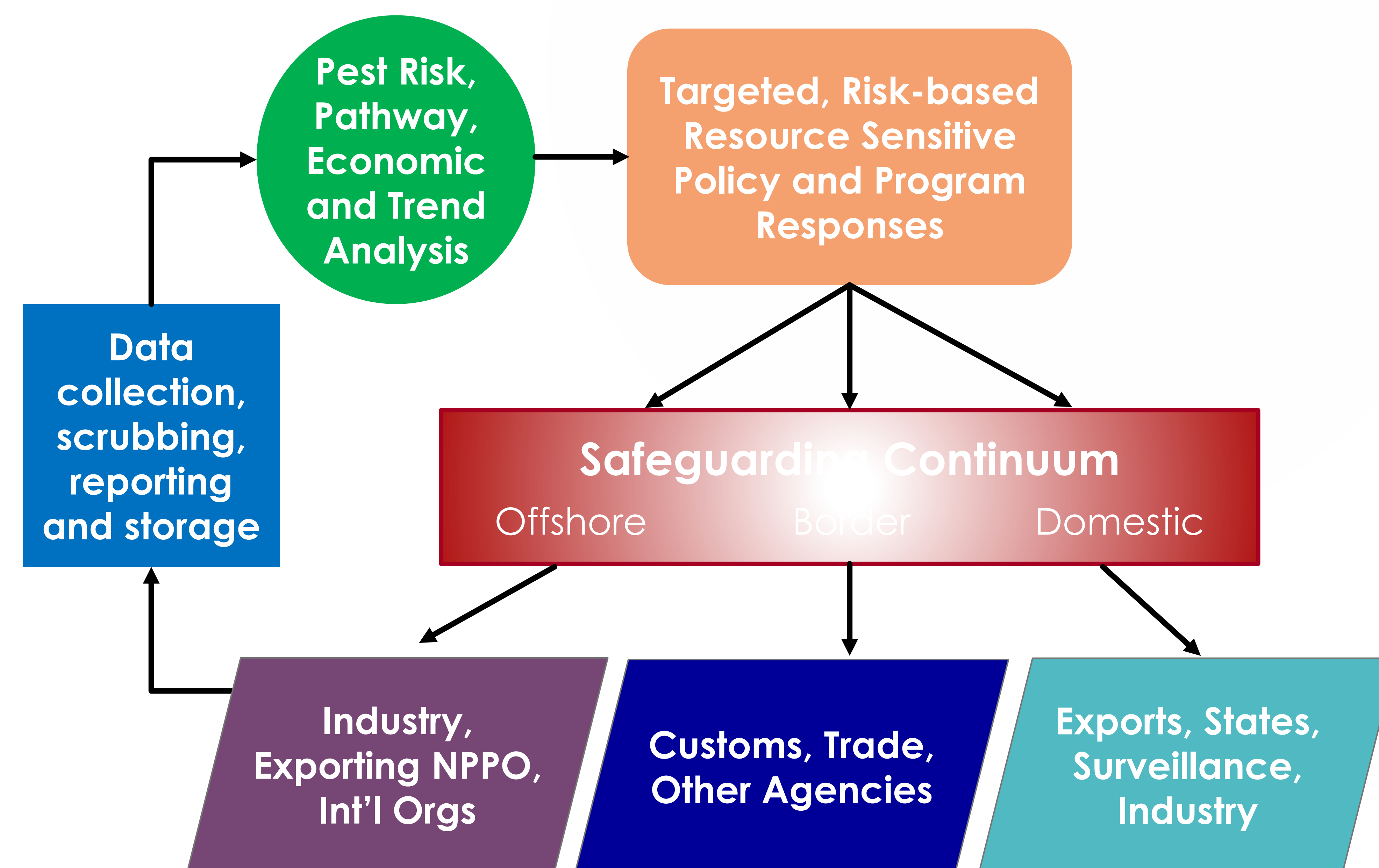


Image courtesy of agrifoodtechplatform

Precision Safeguarding



The digital future is now

Leveraging technology and the huge amounts of information that can be used for risk-based program designs and responses requires a substantial commitment to digital systems for generating, gathering, distributing and analyzing data in near real-time. The Single Window concept established by the World Trade Organization, Trade Facilitation Agreement (Feb, 2017) and being implemented by national Customs organizations around the world, provides the foundation for current and future digital systems associated with international trade. As legacy systems and document-based processes are replaced or adapted, new systems that replace them will provide more powerful support for **Precision Safeguarding**.