



Sustainable Phosphorus Alliance



Green Phosphorus



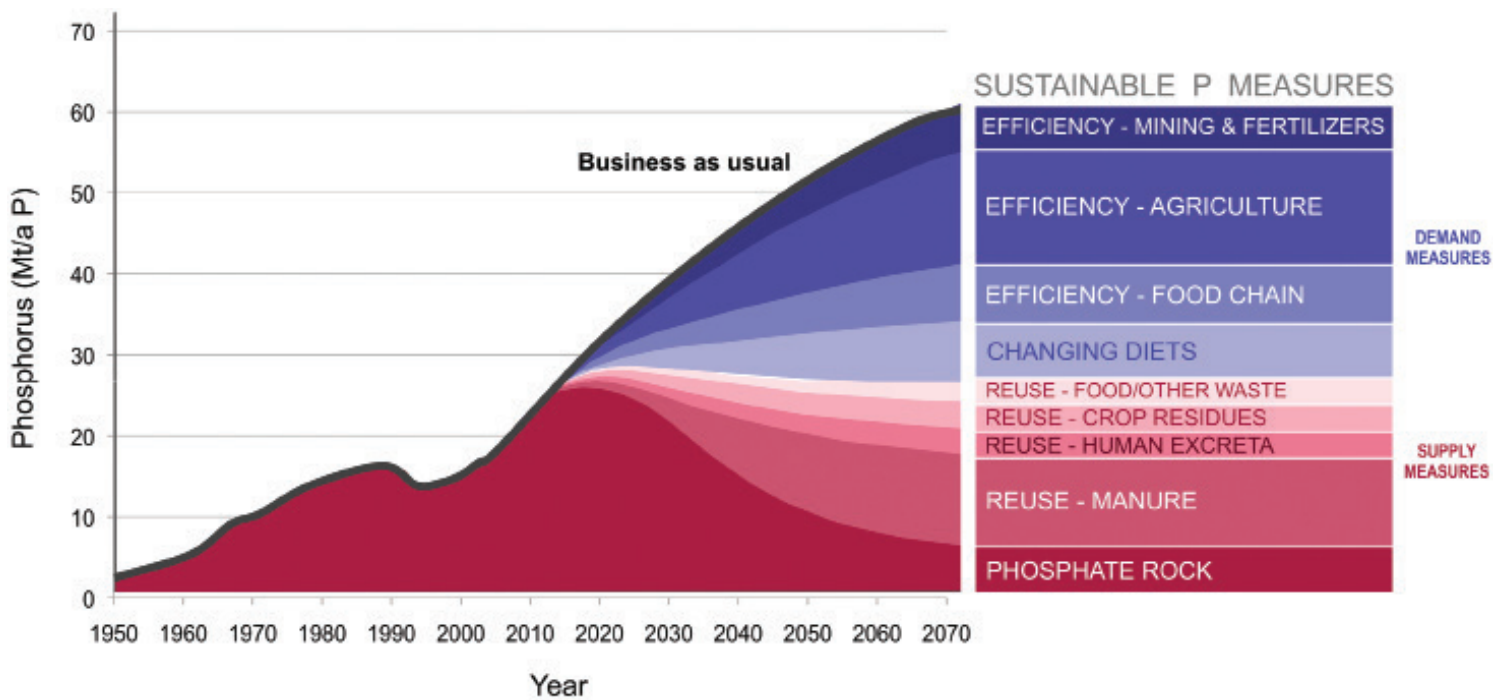
Blue Water



Our Vision

We use phosphorus inefficiently, and we recycle only a small fraction of the phosphorus we use. We envision a food system that manages phosphorus more sustainably to provide abundant, nutritious food while protecting the health of rivers, lakes and oceans.

Measures for making phosphorus use more sustainable



Source: Cordell, D.; White, S. Sustainable Phosphorus Measures: Strategies and Technologies for Achieving Phosphorus Security. *Agronomy* 2013, 3, 86-116.

There is no life without phosphorus

A key fertilizer ingredient, **phosphorus is essential for global food security**. As a growing world population harvests more crops for food, energy and materials, the demand for phosphorus increases. Yet our phosphate rock reserves are non-renewable, diminishing in quality and highly concentrated geographically, posing geopolitical vulnerability. Meanwhile, intensified phosphorus use has degraded water quality in rivers, lakes and coastal oceans, creating toxic algal blooms and dead zones.

Our global water security also depends on better phosphorus management.

“I cannot over-emphasize the importance of phosphorus not only to agriculture and soil conservation but also to the **physical health** and **economic security** of the people of the nation.”



Franklin D. Roosevelt

Allies addressing a complex problem

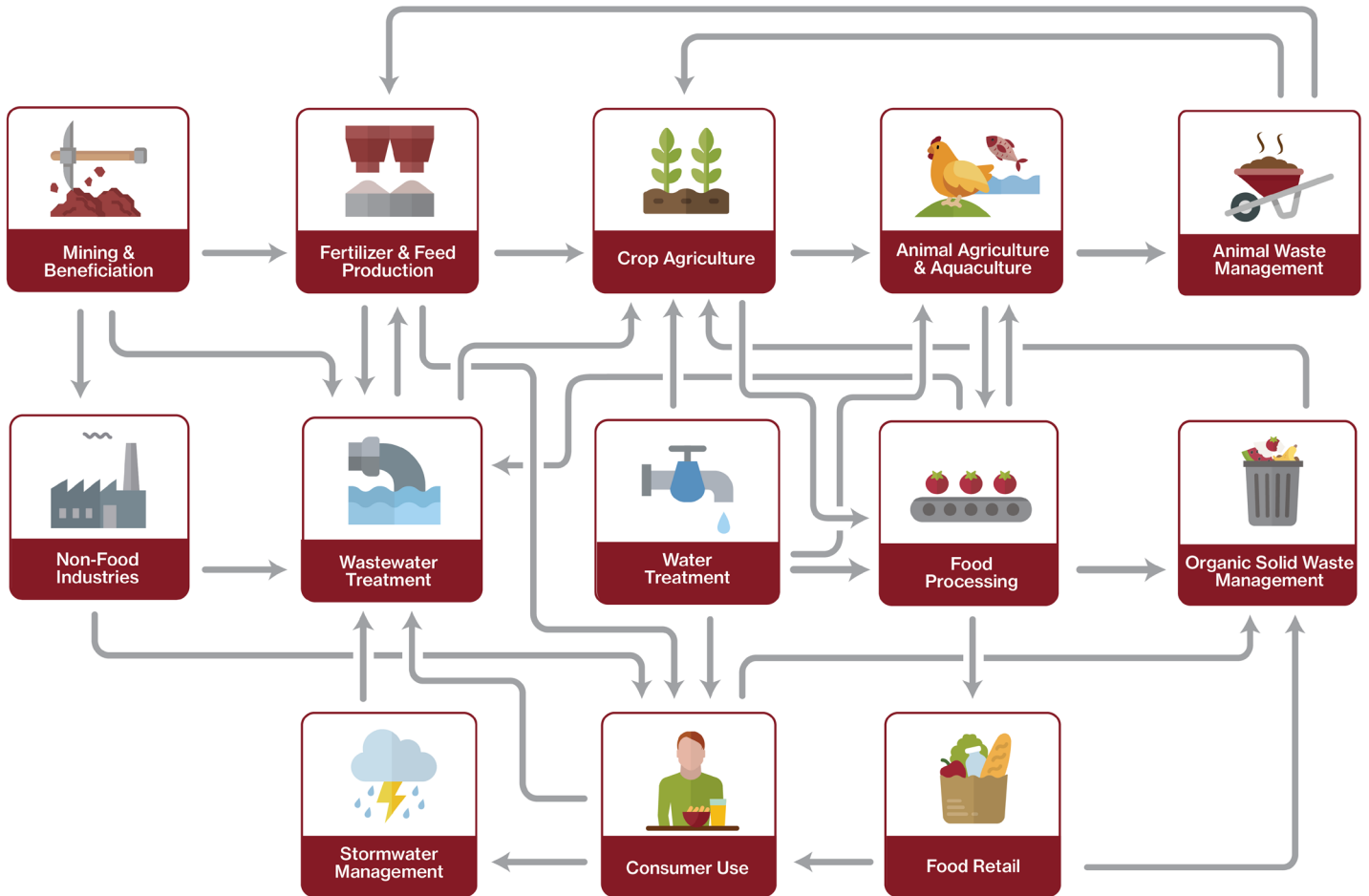
The Sustainable Phosphorus Alliance is a member organization driven to innovate and facilitate solutions to the phosphorus challenge humanity faces. **We are North America's central forum and advocate for the sustainable use, recovery and recycling of phosphorus in the food system.**

Members in our organization have the opportunity to:

- Partake in working groups that tackle technical, legislative, institutional and societal hurdles to implementing phosphorus management innovations.
- Access our network of scientists and organizations from across the phosphorus value chain.
- Promote sustainability work via our webinars, conferences, and other media.
- Obtain discounts to select phosphorus-related events.

Sustainable Phosphorus Alliance members gain recognition among regulators, investors, and the public as leaders in phosphorus sustainability.

Phosphorus connects many parts of our economy.



Join our Alliance. Lead the world.

We invite you to begin networking with like-minded organizations that also want to address the phosphorus sustainability challenge.

phosphorusalliance.org



The Sustainable Phosphorus Alliance
is a unit of

ASU Julie Ann Wrigley
Global Futures Laboratory™
Arizona State University