

Global conference on Nutrient management

“Global TraPs: Sustainable Phosphorous Management”

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1. Why Sustainable Phosphorous Management?

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- World Population projected to be **9.6 billion by 2050**
- Global food production needs to increase by more **60% by 2050**
- Phosphorous is **vital** to global food security
- Phosphorous derived from phosphate rock which is a **finite resource**
- More than **80%** of mined phosphates is used for agriculture; the rest for industrial purposes
- Less than **20%** of mined phosphates is in the food

U.S. President Franklin D. Roosevelt addressed fundamental aspects of sustainable phosphorus management in his Message to Congress on Phosphates for Soil Fertility (May 20, 1938)

The necessity for wider use of phosphates and the conservation of the supply of phosphates for future generations is, therefore, a matter of great public concern.....

I cannot overemphasize 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.....

Therefore, the question of continuous and adequate supplies of phosphate rock directly concerns the national welfare. ...

It is, therefore, high time for the Nation to adopt a national policy for the production and conservation of phosphates for the benefit of this and coming generations

2. What do we need to address?

- Phosphate reserves/resources
- Phosphate mining
- Phosphate processing
- Phosphate use efficiency
- Phosphate recycling
- Phosphorous Access

3. We will build on knowledge from recent conferences

- GPNM meetings: Manila, Washington
- SYMPHOS 2011 & 2013
- Industry meetings: IFA, IPNI, TFI
- Multistakeholder initiatives



Thank you