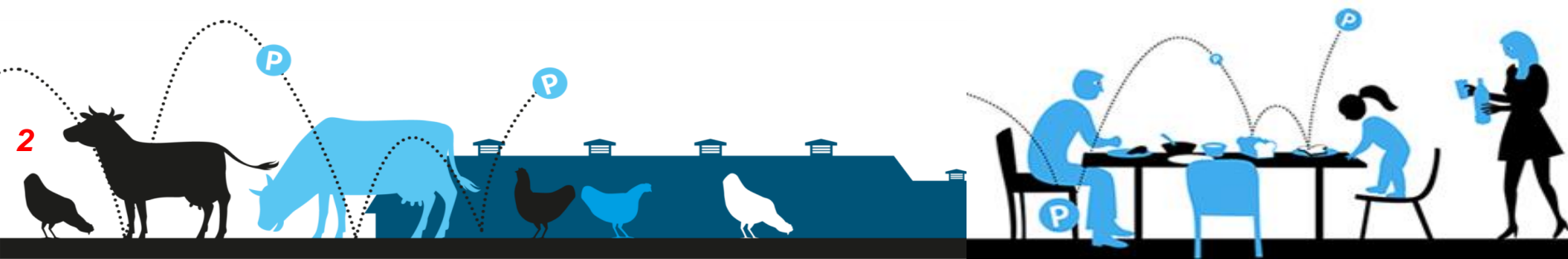
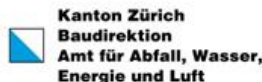




Why a European Conference on Sustainable Phosphorus?

Arnoud Passenier
President of the ESPP



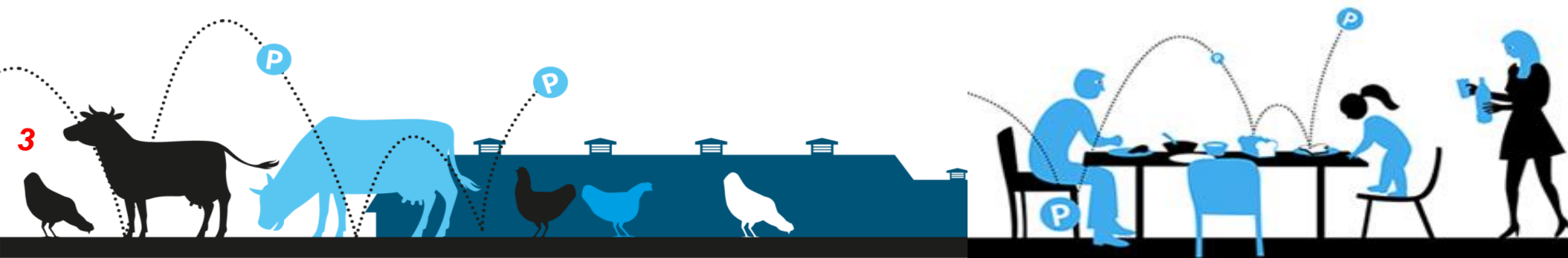


European Sustainable Phosphorus Platform

info@phosphorusplatform.eu

www.phosphorusplatform.eu

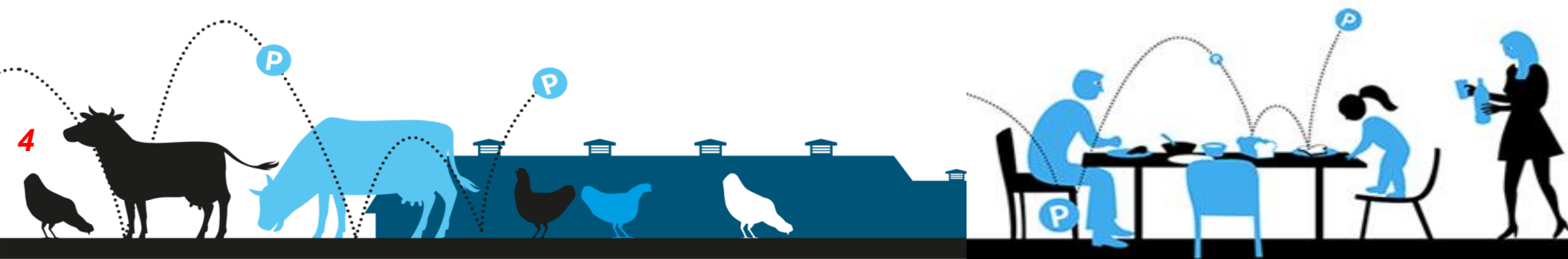
[@phosphorusfacts](https://twitter.com/phosphorusfacts)





What I will discuss with you

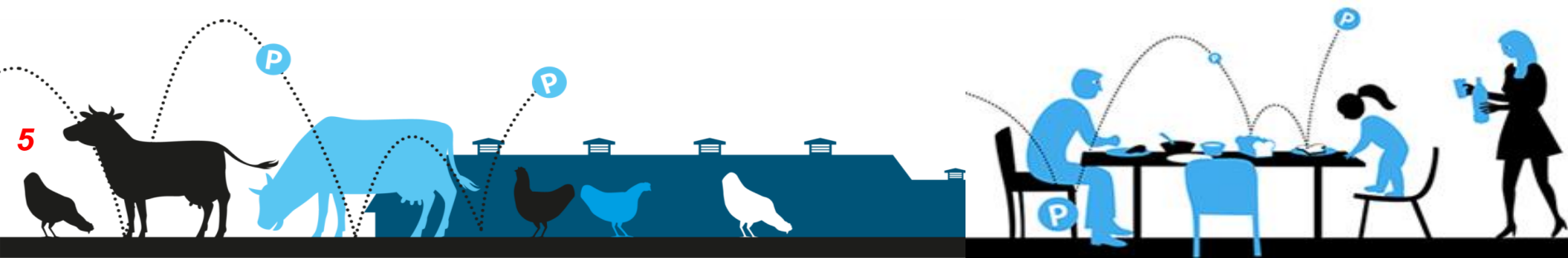
- Why a European Sustainable Phosphorus Conference?
 - Why should governments and business act?
- Conclusions of the first ESPC
- The results of two years of ESPP
- The growing network of ESPP





Why a European sustainable phosphorus Conference?

- More awareness: action needed to protect environment, to secure nutrient availability for food production, to stabilize international relations
- Common vision on future use of phosphorus
- European market for recycled phosphorus
- Approach: cooperation in value chains, in triple helix
- Action and result oriented





Conclusions *ESPC 1*

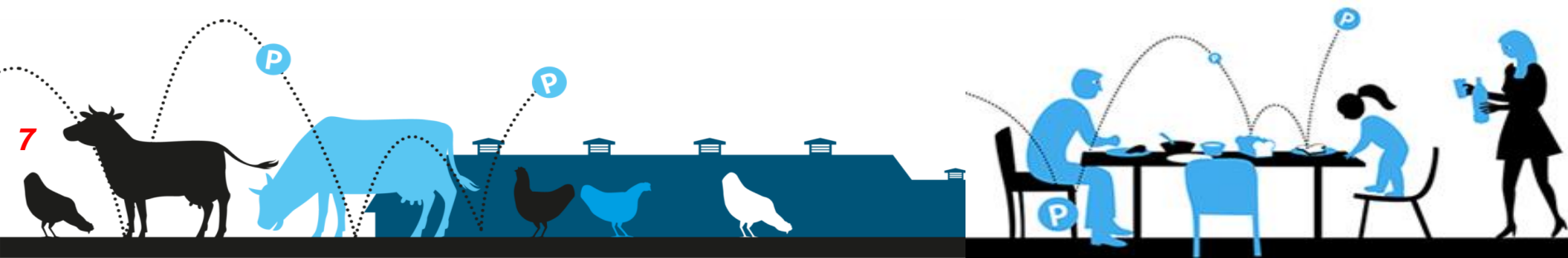
- All underlined the importance & urgency of the Phosphorus Challenge
- We should take action today: being more efficient in our use, by wasting less, recycling more, by smart cooperation
- EU Commissioner Potocnik promised to publish the Green Paper on Phosphorus soon
- The ESPP was launched and the next ESPC will be held in Berlin.
- Specific actions were discussed about business development, harmonisation of legislation, development of EU policies, smart cooperation, incentives for efficient use and for recycling, knowledge development/dissemination, benchmarking, etc.





The results of two years of ESPP

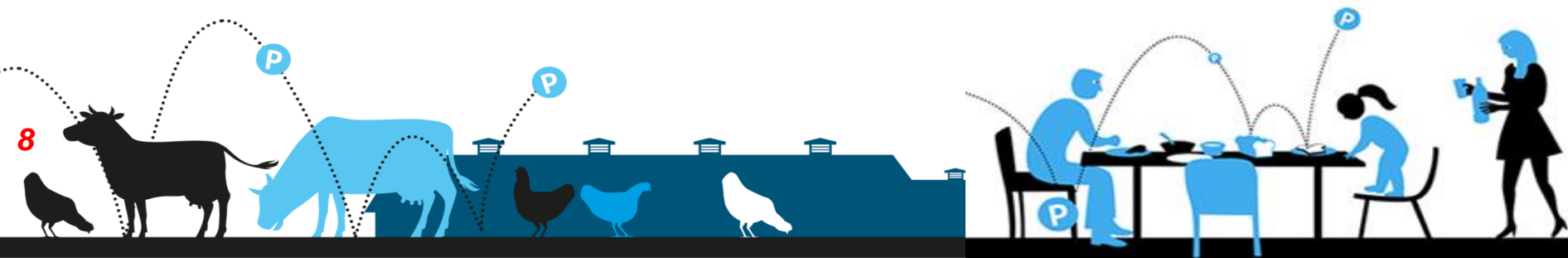
1. Influence on EU policies
2. National policy developments and platforms
3. Businesses are closing the loop
4. Other activities and publications
5. International linkages, events and contacts





1. Influence on EU policies

- EU Commission Sustainable Phosphorus Communication
- P added to EU “Critical Raw Materials” list 5/2014
- P added to Groundwater Directive monitoring list
- EU Fertilisers Regulation recast
- REACH, “recovered” phosphates, digestates
- ESPP/WssTP position on magnesium scarcity
- Horizon 2020 R&D calls: waste, agriculture
- DG Enterprise biorefinery-regions initiative





2. National policy developments and platforms

- Sweden : sustainable P policy consultation
- Netherlands: struvite fertiliser legislation
- Denmark: recycling policy
- Baltic: nutrient recycling objectives
- Germany: P-recycling proposals, proposed sludge policy
- Switzerland: P-recycling regulatory consultation
- Platforms: Netherlands (2010), Flanders (2012), Germany (2013), underway: UK, Baltic, France, Norway, Czech Republic, Spain/Portugal...





3. *Businesses are closing the loop*

- Water companies recover struvite out of sewage water and sell it to fertilizer companies or directly to agriculture
- Sewage sludge incinerators sell phosphate rich ashes out of sewage sludge to the fertilizing industry
- Meat waste companies have invested in manure treatment (fermentation, biogas production)
- Food companies recycle their organic waste and sell struvite on the market
- New initiatives are taken to recycle Meat & Bonemeal Ashes





4. *Other activities and publications*

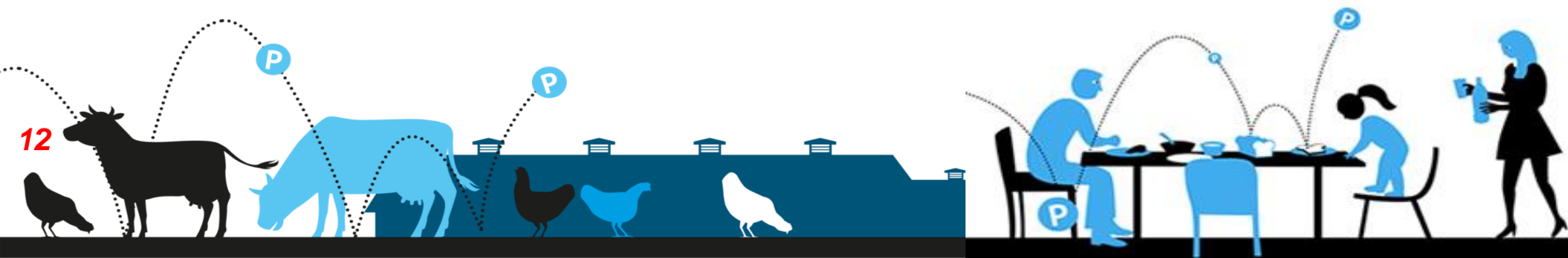
- SCOPE Newsletter 106 “vision” phosphorus sustainability
- P-Rex will finish FP7-program in June 2015 in Amsterdam
- UK Parliamentary Office of Science & Technology briefing
- ESPP/WssTP position on magnesium scarcity
- ManuResource position on manure recycling
- WETSUS permanent inventory of P-recovery assessments
- Fertilisers Europe: decadmiation workshop
- French Chambers of Agriculture meeting 4/11/14
- COPA-COGECA phosphorus in agriculture working group
- NutriPlanta: (micro)nutrient availability in plants
- Collaboration: ARBOR, P-REX, ARREAU, SUSPHOS, BioRefine ...





5. *International contacts and events*

- GPNM (Global Partnership on Nutrient Management): Phosphorus TaskTeam
- GPNM/GlobalTraPs conference June 2013, Beijing
- Toronto Canada P-recycling workshop 19/6/2014
- IWA (International Water Association) Resource Recovery Cluster
- 4th Global Sustainable P Summit, Montpellier, France, 9/2014
- North America Phosphorus Partnership, launch 15/5/2015

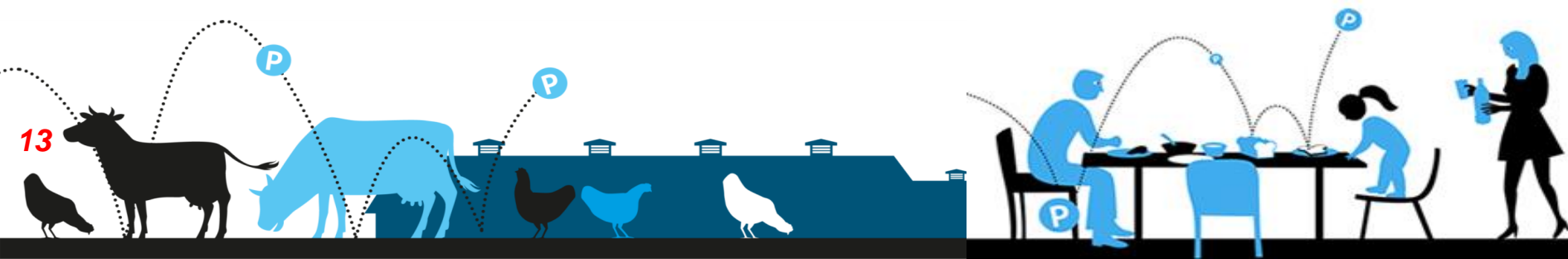




The growing network of the ESPP

- *26 members to date*
- *Network of innovation & expertise*
- *Dialogue: sectors, stakeholders*
- *Perspectives & strategy*
- *Regulatory monitoring, input*
- *Recycling: connecting users in value chain*
- *Visibility of Members' actions*

Join us !





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