

## Minutes of ESPP General Assembly, Wednesday 2nd December

Brussels, Atrium Science14, 14b rue de la Science Brussels, 13h30 – 16h00

### 2015 members present - Total = 12 members present

Clark	Piers	Isle Utilities, representing Ostara
De Buck	Wouter	Netherlands Nutrient Platform
Frank	Daniel	DPP German Nutrient Platform
Halet	Dirk	Flanders Nutrient Platform
Hansen	Bengt	Kemira
Hermann	Ludwig	Outotec
Hoxha	Antoine	Fertilizers Europe
Jaouen	Pierre	Timac Agro
Langeveld	Kees	ICL Fertilizers
Nättorp	Anders	FHNW Switzerland
Passenier	Arnoud	Netherlands Government
Wanzke	Wolfgang	Clariant

### 2015 Partners present (in kind and paying)

De Ruiter	Rob	Ecophos
Kabbe	Christian	KWB Berlin
Koljonen	Marja	BSAG Baltic Sea Action Group
Ploteau-Rohrmüller	Marie-Edith	Lippeverband (2016 partner)

### Other participants present as observers

Boer	Esther	Dutch Water Authorities / VEWIN
Courage Imonitie	Eromosele	Roskilde University
De Boer	Marissa	SUSPHOS VU Vrije University Amsterdam
De Vega	Nicolas	European Biogas Association
Hinton	Stephen	Swedish Sustainable Economy Foundation TSSEF
Siebert	Stefanie	ECN European Compost Network
Tber	Hamza	OCP
Thornton	Chris	ESPP
Vallet	Bertrand	EUREAU
Van Dijk	Kimo	Wageningen University
Van Keer	Koen	Yara



## Agenda and quorum

The agenda was sent to members on 9/11/15 (statutes require 3 weeks before GA).

11 (out of 19) 2015 Members are present, with 68/100 votes, see table next page, so the General Assembly quorum is respected (1/5 of Members and 1/5 of votes)

## Presentation of actions underway

Chris Thornton presented actions carried out by ESPP in 2015 and underway. These are summarised in 20 slides below (attached)



ChTh ESPP GA slides  
2-12-15.pdf

He emphasised the important contributions of many ESPP members, partners and network contacts, in representing ESPP at meetings and in following specific dossiers, in particular:

- Arnoud Passenier, Ludwig Hermann, Willem Schipper in external representation and conferences
- Christian Kabbe in BAT (IED) and standards dossiers, and organic farming
- Carlos Galeano for P4
- Kimo Van Dijk, Ottavia Zoboli and BioRefine for DONUTSS project
- FHNW, WETSUS, Queen's University Belfast for website and SCOPE Newsletter
- DPP for the Berlin ESPC2 Conference
- Actions of national nutrient platforms

He notes that further cooperations are already under development for 2016

- Arno Rosemarin, Stockholm Environment Institute – email discussion group
- Jennifer Bilbao, Fraunhofer IGB – input to SCOPE Newsletter on manure nutrient recycling
- Baltic Sea Action Group – representation of ESPP in Baltic area, possible joint organisation of ESPC3 in 2017 in Poland or Finland

## ESPP membership

Chris Thornton reminds that ESPP has:

- **Legal members:** legal 'member' of ESPP association under Belgian law: pays membership fee, signs agreement to ESPP's statutes, participates in ESPP General Assembly as voting member
- **Partners:** consultative status only, has access to all ESPP information and activities but does NOT vote in General Assembly, has same visibility in ESPP communications, fees are the same as for 'Member'
- **In-kind Partners:** possible for R&D institutes and NGOs only. Does not pay, but provides a clearly-defined service to ESPP, after agreement of ESPP Board. Has the same consultative status as paying Partners



## For 2015, the following are ESPP Members or Partners

### Governments and Regions

		<i>Statutes signed</i>	<i>Votes</i>	<i>Present</i>
UK (DEFRA and EA)	Partner			
Netherlands Government	<b>Member</b>	<b>OK</b>	10	10
Netherlands Nutrient Platform	<b>Member</b>	<b>OK</b>	10	10
OVAM/Flanders Nutrient Platform	<b>Member</b>	<b>OK</b>	10	10
German Phosphorus Platform	<b>Member</b>	<b>OK</b>	10	10
Highlands and Islands Enterprise (Scotland)	<b>Member</b>	pending	4	
Kanton Zurich	Partner			

### R&D

Leibnitz P Science Campus Rostock	<b>Member</b>	<b>OK</b>	2	
Refertil Terra Humana	<b>Member</b>	<b>OK</b>	2	
DAM PhorWater (LIFE+)	<b>Member</b>	<b>OK</b>		
PAPA (scientific monitoring)	In-kind Partner			
Uni Ghent – BioRefine Cluster	Partner			
TL Biofer (LIFE+)	<b>Member</b>	<b>OK</b>	2	
Queens University Belfast	Partner			
FHNW Switzerland	<b>Member</b>	<b>OK</b>	2	2
WETSUS	In-kind Partner			
KWB (KompetenzzentrumWasser) Berlin	In-kind Partner			
WssTP	In-kind Partner			
SEI Stockholm Environment Institute	In-kind Partner			
Lancaster University	In-kind Partner			

### Companies \* = SME

Thames Water UK	TBD			
Severn Trent Water UK	TBD			
United Utilities UK	<b>Member</b>	<b>OK</b>	6	
ICL Fertilisers	<b>Member</b>	<b>OK</b>	6	6
Fertilizers Europe (industry federation)	<b>Member</b>	<b>OK</b>	6	6
NuReSys*	<b>Member</b>	<b>OK</b>	2	
EcoPhos	Partner			
Ostara	<b>Member</b>	<b>OK</b>	2	2
Outotec	<b>Member</b>	<b>OK</b>	6	6
Italmatch (chemicals)	<b>Member</b>	<b>OK</b>	6	
ICGL Industrial Chemicals	<b>Member</b>	<b>OK</b>	6	
Phos4Ever*	<b>Member</b>	<b>OK</b>	2	
Kemira	<b>Member</b>	<b>OK</b>	6	6
Clariant (chemicals)	<b>Member</b>	<b>OK</b>	6	6
Suez Environment	Partner			
TIMAC (fertilisers)	TBD			
<b>Total</b>		<b>19</b>	<b>100</b>	<b>68</b>

### New 2016 members already committed

Lippeverband, Germany	Partner 2016			
Fraunhofer IGB	<b>Member 2016</b>	underway		
BSAG (Baltic Sea Action Group)	In-kind 2016			



## Status of in-kind Partners

- **WETSUS**: SCOPE content on P-recovery, inventory of P-recovery overview studies
- **WssTP**: ESPP chairs Resources Recovery Working Group, access to expertise on Horizon2020 calls, call brokerage
- **Lancaster University**: SCOPE content on agriculture. Not delivering, discussed with them: problem is absence of dedicated resources proposal remove for 2016. *Decision of General Assembly: remove from list of in-kind Partners unless / until resolved*
- **KWB Berlin**: C. Kabbe participation for ESPP in standards and BAT work, work on organic farming
- **SEI Stockholm Environment Institute**: A. Rosemarin to launch ESPP online discussion group
- **PAPA / Cefic**: to en 2015 only, exchange for transfer of SCOPE and emailing list, also ESPP carries out monitoring of scientific publications on phosphorus in food and health. *To be redefined by Board in 2016*
- **BSAG (Baltic Sea Action Group)**: *approval by GA of principle* of partnership in 2016 to be defined (by Board) around possible co-organisation of ESPC3 (2017) and representation of ESPP in Baltic region

## Election of Board

For memory, the Board is elected by General Assembly and consists of

- 3, 5 or 7 directors which must be either:
  - organisations which are Members or Partners\* (legal entities)
  - representatives of Members or Partners\* proposed by Members (physical persons)
- at least three of the Board must be physical persons (to hold the legally obligatory roles of President, Treasurer and Secretary under Belgian law)
  - \* = including in-kind Partners

### The following Board is elected unanimously:

- Arnoud Passenier (representative of Netherlands Government = Member)
- Ludwig Hermann (representative of Outotec = Member)
- Christian Kabbe (representative of KWB = in-kind Partner)
- Anders Nättorp (representative of FHNW = Member)
- Fertilizers Europe (legal entity = Member)

As per the statutes, **the Board then elected the following**

- President: Arnoud Passenier
- Treasurer: Ludwig Hermann
- Secretary: Anders Nättorp



## ESPP priority actions for 2016

The General Assembly approved the following priorities for actions in 2016

- **Continue ongoing actions, in particular on**
  - Circular Economy
  - Critical Raw materials
  - Fertilisers Regulation revision
  - Standards
  - BAT
  
- **Relaunch / pursue already initiated actions:**
  - EIP-AGRI Focus Group on recycled nutrients
  - action on White Phosphorus (P4)
  - policy meetings with EU Commission services
  - launch of ESPC3 (Baltic)
  
- **New actions:**
  - meetings in Denmark, Sweden and/or Finland
  - organic contaminants in sewage: workshop, RTD risk assessment proposal
  - contacts with agri-food industries
  
- **Network management:**
  - CMR = contact /network data base management system
  - *objectives: improve / support networking, access to competence / experience / case studies, ensure archive, facilitate possible transfer / access for users other than ESPP Secretariat*
  - *need for integration with Microsoft Outlook email system*
  
- **Communications**

**Newsletter:** move to two distinct Newsletters:  
**1]** = SCOPE (much as at present) = in depth, conferences, science ...  
**2]** more frequent “e-news update” style = short articles

**Website**  
→ *considerable development made in 2015 = now consolidate*  
→ *ensure regular news and updates, success stories, case studies*  
→ *bring alive (solicit user input to) the resources sections = Opportunities, eMarket*  
→ *host sections with content provided by third parties, e.g. project websites ?*

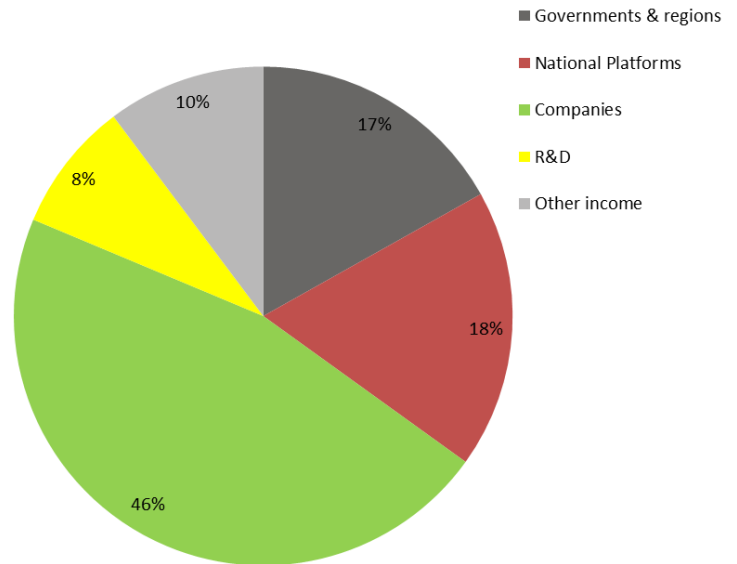
**Discussion Group** (Arno Rosemarin/SEI)  
→ *coordinate with NAPPS, links to other blogs (e.g. EIP-AGRI)*  
→ *discussions and announcements on hot topics and news from ESPP and others*  
→ *Link to ESPP Newsletter (discussion of articles)*  
→ *Use email based system on Yahoo platform*



## ESPP budget 2016

Chris Thornton summarises current situation of ESPP funding:

- **2015 income = 166 000 € ex VAT (includes part of 2014)**
- **Europe = no core funding** but significant DG ENVI funding for conferences ESPC1 2013 and ESPC2 2015
- **Funded essentially by members**  
(companies, governments, national platforms)
  - plus some funding through R&D projects: dissemination only (not research)
  - small other income (consulting, dissemination)



The possible budgets below for 2016 are proposed (Business As Usual and Low / pessimistic scenarios). **The General Assembly validates these budgets** with instructions to implement LOW scenario unless and until it appears income conform to BAU scenario can be developed.

ESPP simplified budget 2015 & 2016 (ex VAT)	2015	2016 BAU	2016 LOW
<b>Income</b>			
Companies	77 000 €	85 000 €	70 000 €
Governments, regions, Platforms	58 000 €	58 000 €	28 000 €
<i>2016 LOW scenario = NLx2 only, Zurich, HIE. BAU = plus DPP, Flanders, 1xScandiavia</i>			
R&D institutes and projects	14 000 €	16 000 €	12 000 €
Other income: SCOPE, consulting, ESPC2 stands	17 014 €	10 000 €	10 000 €
<i>Of which specific to 2015: ESPC2 stands 4 500€, SYMPHOS 5 300€</i>			
<b>TOTAL INCOME</b>	<b>166 014 €</b>	<b>169 000 €</b>	<b>120 000 €</b>
<b>Expenditure</b>			
2014 costs paid: C. Thornton, website, association establishment	29 896 €		
2015 Accounting	5 283 €	6 500 €	6 500 €
Website - technical (Maija Ravenscroft)	9 510 €	7 000 €	5 400 €
Website content (FHNW)	22 000 €	20 000 €	0 €
Redesign SCOPE & emailing system		5 000 €	5 000 €
MailChimp (mass emailing subscription, pay per email)		2 000 €	2 000 €
DONUTSS workshop (net after participant contributions)	1 138 €		
C Thornton fees	50 000 €	60 000 €	50 000 €
C Thornton costs (mainly travel, plus divers other costs)	10 498 €	9 000 €	9 000 €
Other (W Schipper SYMPHOS article = funded by income for this)	1 500 €		
Other to come (IED, General Assembly ...)	5 000 €		
Kimo Van Dijk fees		25 000 €	20 000 €
Kimo Van Dijk travel costs		5 000 €	4 000 €
Network management tool (CRM)		15 000 €	10 000 €
Divers actions, workshops, General Assembly ...		6 000 €	6 000 €
<b>TOTAL EXPENDITURE</b>	<b>134 825 €</b>	<b>160 500 €</b>	<b>117 900 €</b>
<b>RESERVE END of year</b>	<b>31 189 €</b>	<b>39 689 €</b>	<b>33 289 €</b>
<i>Of which potential debt to EPE, Cranfield</i>	<i>13 736 €</i>	<i>13 736 €</i>	<i>13 736 €</i>



The line possible debt line relates to issues relating to activities before ESPP's formal establishment in 2013-2014. It is not expected to be engaged in the EPE 2014 accounts are now closed.

## ESPP membership and partnership fees for 2016

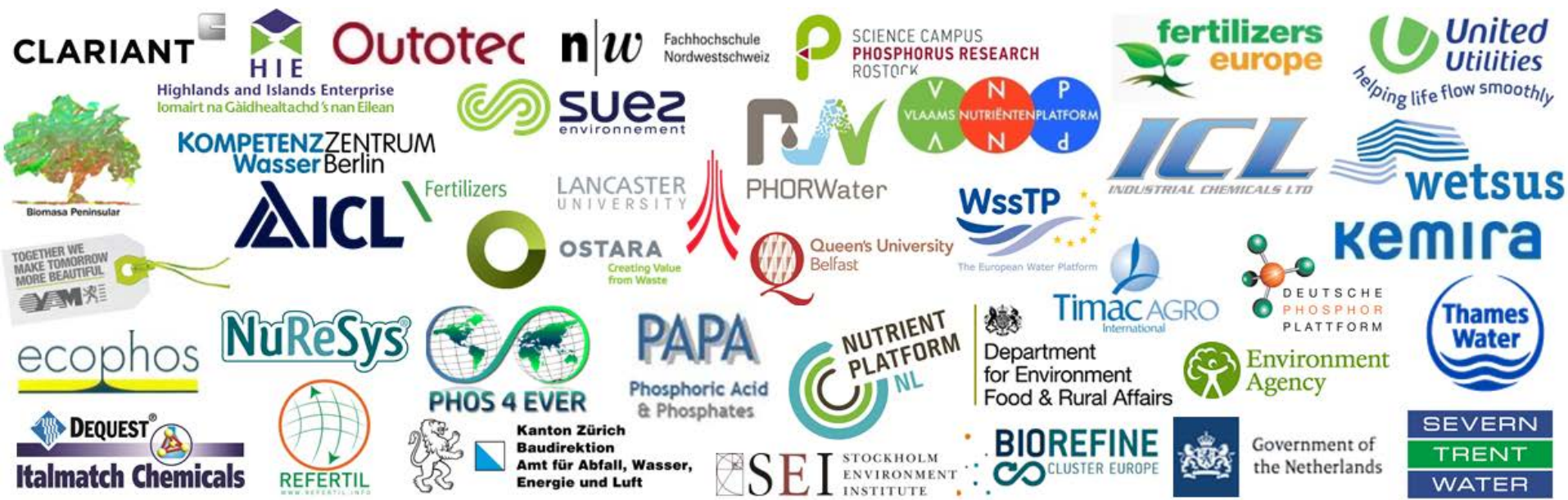
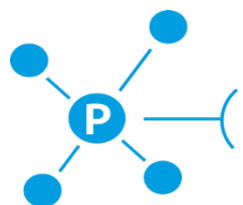
These are fixed by the General Assembly at the same level as for 2015:

- Non SME company (fees = 6 000 Euros ex-VAT)
- SME company (fees = 2 000 Euros ex-VAT)
- Knowledge institutes (fees = 2 000 Euros ex-VAT)
- Regional/local public bodies (fees = 4 000 Euros ex-VAT)
- National governments (fees = 10 000 Euros ex-VAT)

## Other decisions

- Principle of integrating **Kimo van Dijk** into ESPP team is validated, subject to budget above
- Decision as to whether to continue to **externalise ESPP web content** to FHNW: to be taken by Board
- Current ESPP **strategy of not entering into R&D projects** as a consortium member is validated. ESPP will continue to propose to R&D projects to work together in particular with ESPP supplying:
  - participation in advisory / steering committees, with reimbursement of travel costs and if possible per diem
  - dissemination of project activities and results, networking, in exchange for appropriate remuneration of ESPP

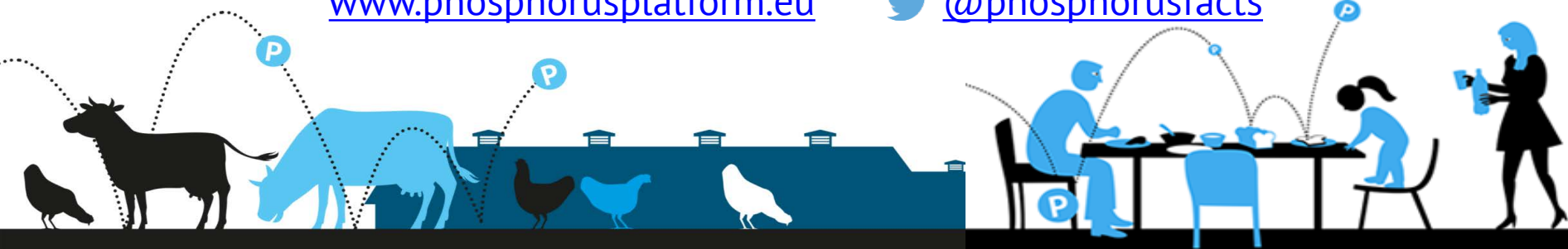




[info@phosphorusplatform.eu](mailto:info@phosphorusplatform.eu)

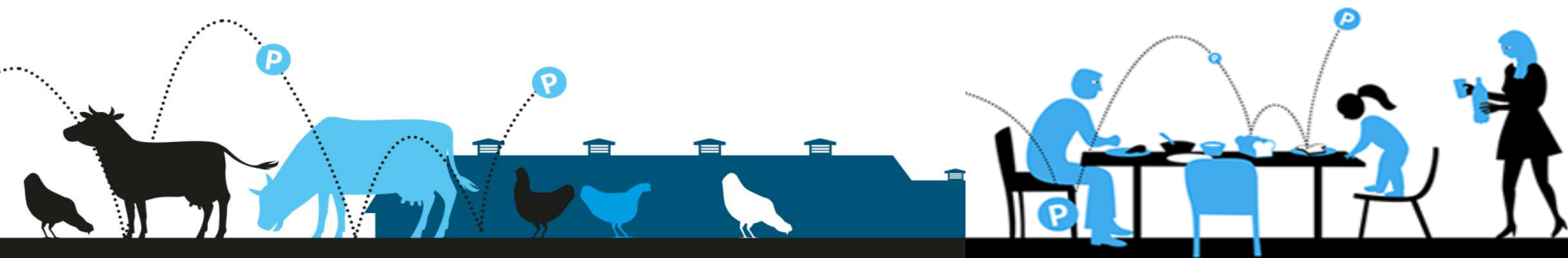
[www.phosphorusplatform.eu](http://www.phosphorusplatform.eu)

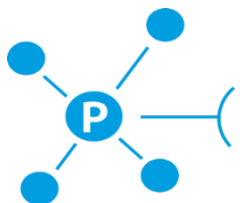
[@phosphorusfacts](https://twitter.com/phosphorusfacts)





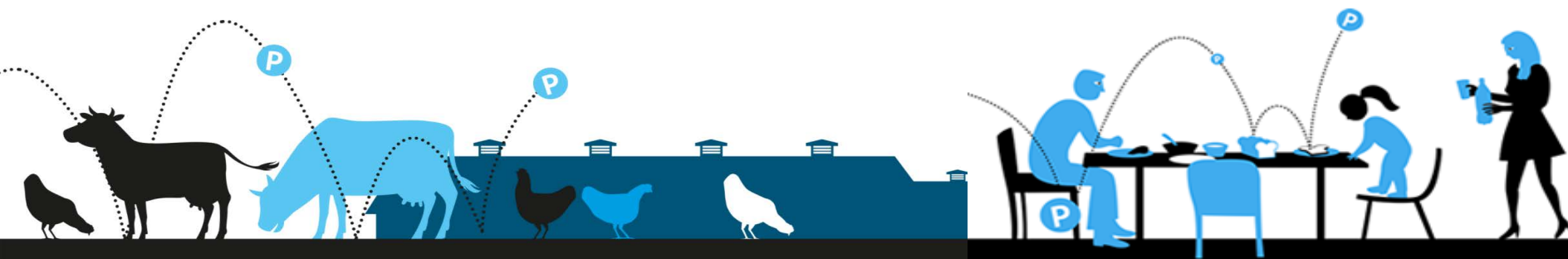
# *ESPP actions 2015 & underway*

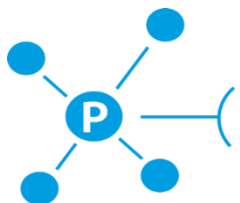




## ESPP actions 2015 & underway → Fertiliser Regulation revision

- ESPP recognised as Member of EU Fertilisers Working Group
- Objective of Regulation revision: take recovered bio-nutrient products into account
- Regulation revision confirmed in EUC Roadmap published 27/10/2015  
[http://ec.europa.eu/smart-regulation/roadmaps/docs/2012\\_grow\\_001\\_fertilisers\\_en.pdf](http://ec.europa.eu/smart-regulation/roadmaps/docs/2012_grow_001_fertilisers_en.pdf)
- ESPP has developed **proposed EU fertiliser criteria** 'outlines' for
  - struvite
  - biomass ashes
    - these have been submitted to DG GROW (transferred to JRC)
    - and are published on ESPP website
  - biochar (first draft circulated 6/10/15)

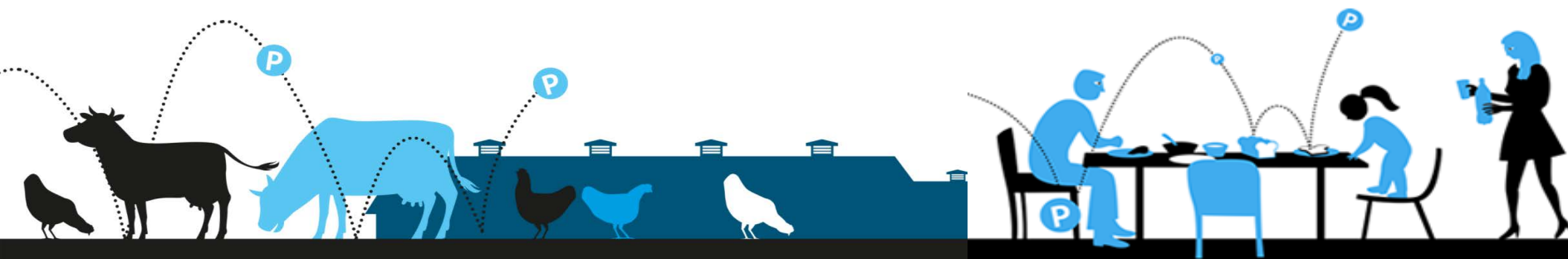




## ESPP actions 2015 & underway → Fertiliser Regulation revision

### ➤ Questions

- **Acceptability of sewage sludge** as raw material for
  - composts and digestates
  - biochars
- **Traceability**
  - lost if products are simply “placed on the market”
  - risk in case of contamination or disease issue in certain sources
  - possibly compromise = traceability of production batches ?



## ESPP actions 2015 & underway → Regulatory

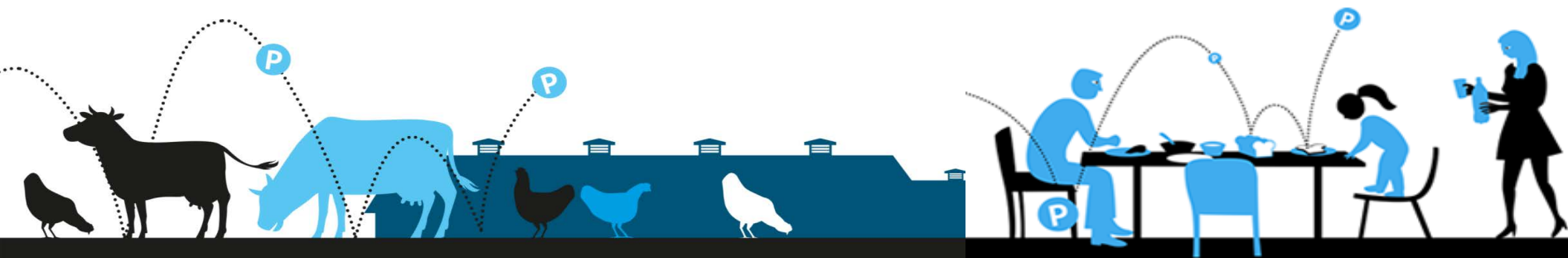
### ➤ REACH (EU chemicals regulation):

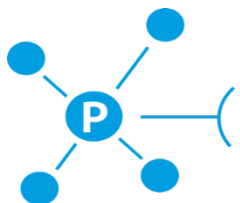
#### Recovered struvite:

- application of Art 2(7)d “recovered” substances
  - process engaged by ESPP via DG GROW
    - to consult inter-member state committee
- ESPP meeting in Berlin, 3/2015  
ESPP summary of situation now online on ESPP website

**Digestate:** ESPP letter 19/8/2014

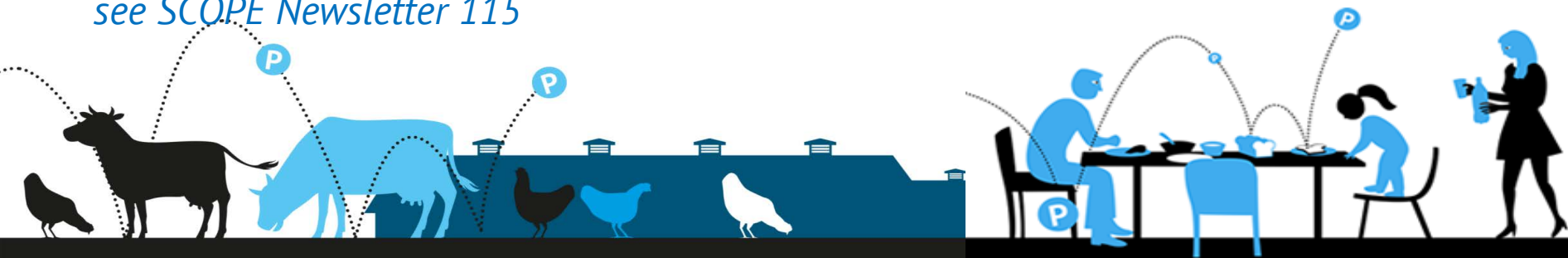
**Biochars:** ESPP letter 13/10/2015

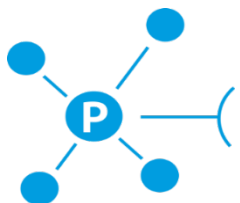




## ESPP actions 2015 & underway → Regulatory

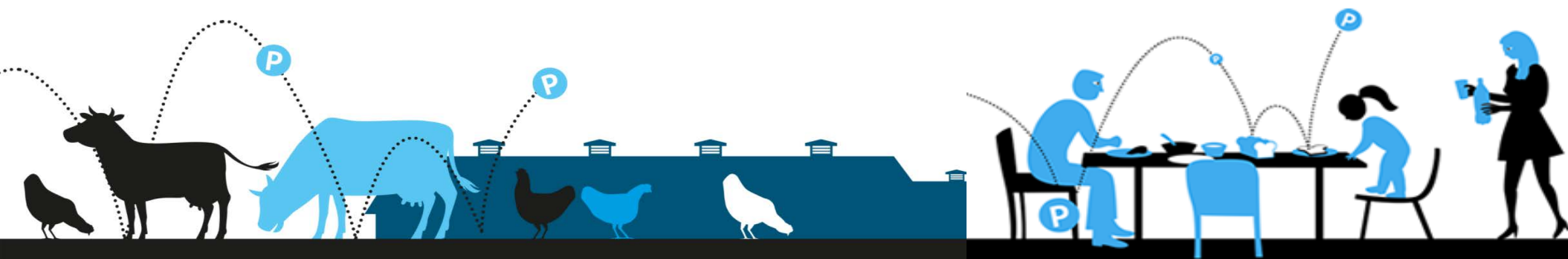
- **BAT BREFs** (Industrial Emissions Directive):
  - ESPP accepted as member of IED Forum meeting 19/10/2015 - ESPP represented by C Kabbe
    - waste incineration –under discussion
    - intensive pig & poultry production, nearly finalised, ESPP letter 30/9/15  
*see SCOPE Newsletter 116*
    - possible “resources recovery” BAT ?
    - propose “manure management” BAT ?
- **Agriculture BEMPs:** EMAS (EU Eco-Management and Audit Scheme Regulation)
  - summary in *SCOPE Newsletter 116*
  - proposal to update Nutrient BMP Fact Sheets (COST EU, SERA17 USA, Canada, Baltic ...)  
*see SCOPE Newsletter 115*





## ESPP actions 2015 & underway → Regulatory

- **EIP-AGRI Focus Group proposal:** agronomic use of recovered nutrient products
  - proposal submitted by ESPP 7/2015 *see SCOPE Newsletter 114*
  - support signed 60+ organisations
  - launch of Focus Group on “Recovered Nutrients” confirmed for 2016 *see SCOPE Newsletter ‘in print’ (Naantali workshop article)*
  - but scope of Focus Group initially proposed to be limited to recycled products from livestock manure only

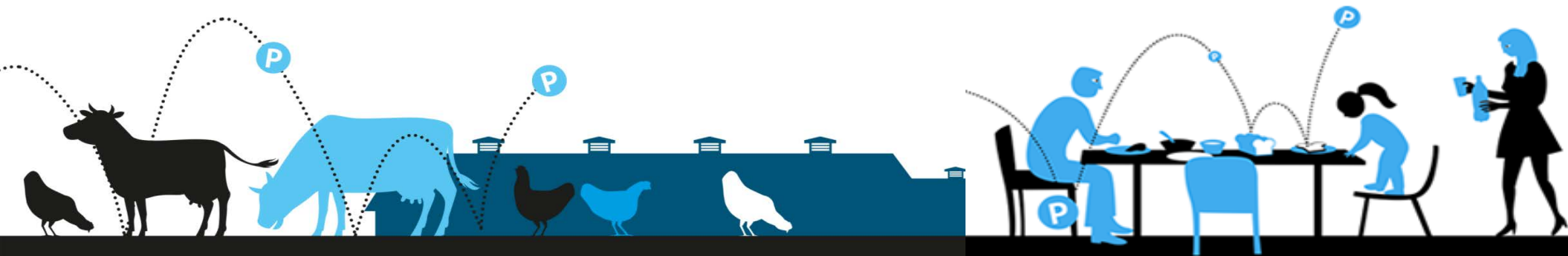




## ESPP actions 2015 & underway → Regulatory

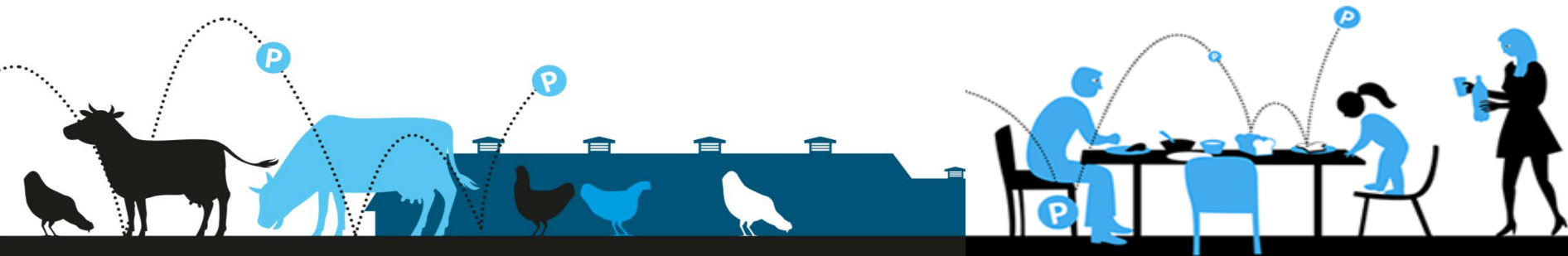
### ➤ Standards

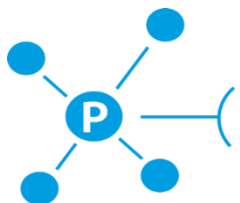
- **CEN SABE** (Strategic Advisory Board on the Environment) is finalising (with ESPP input) document identifying standards work need to support phosphorus recycling. And mandating CEN to take this forward. Submission to CEN Board end 2015
- **ISO 275** “Sludge recovery, recycling, treatment and disposal”:
  - ESPP has been accepted in principle as member of the TC
  - but in practice, we did not attend the last meeting (in Sydney) ...
- **fertiliser analysis standards** – ESPP response to DG GROW 24/4/15
  - BAM working on this



## ESPP actions 2015 & underway → Regulatory

- **Cadmium in artists' paints**
  - 10% of cadmium in sewage
  - EU decision not to ban 28/10/2015  
*see Scope Newsletter 118*
- **EU Investment Plan**
  - possibilities of loans for bio-nutrient projects. ESPP disseminated.
  - COOPERL has obtained funding
- **DG GROW “6 demonstrator Regions”**
  - call open to 30/10/15. Industrial chemicals and bio-nutrients recovery from biomass.





## ESPP actions 2015 & underway → Regulatory

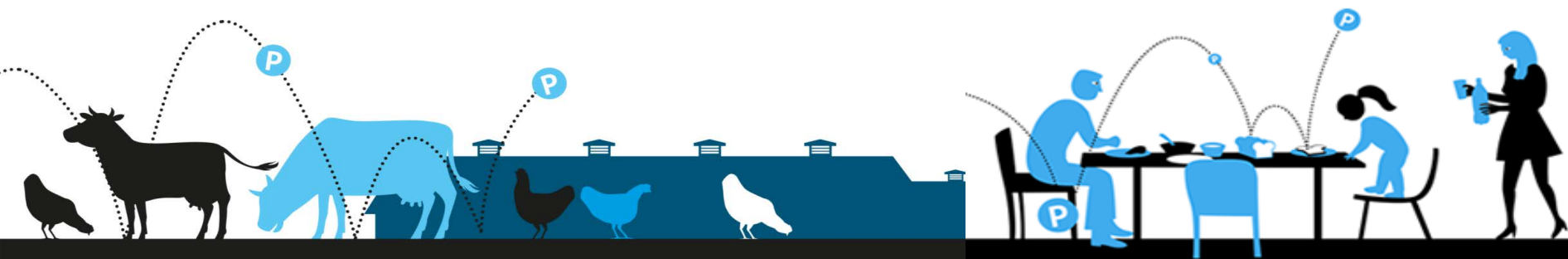
### ➤ EU Critical Raw Materials list:

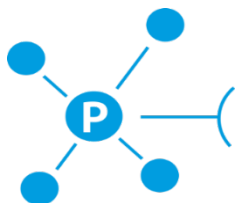
- ESPP document on P, White-P, phosphorus, phosphate rock to DG GROW 15/1/15
- Commission R-MSA update (Deloitte / Hak – Charles Uni. CZ).
  - 30/10/2014 Stakeholder meeting criticisms not taken into account.
  - ESPP letter outlining key issues in response to “final draft” sent 22/9/15

### ➤ White phosphorus (P4)

- ESPP meeting with EU Commission 22 May 2015
- not clear how EU Commission can help
- launch EIP Raw Materials group ?
  - no funding – who would coordinate ? objectives ?

<https://ec.europa.eu/growth/tools-databases/eip-raw-materials/en/content/european-innovation-partnership-eip-raw-materials>

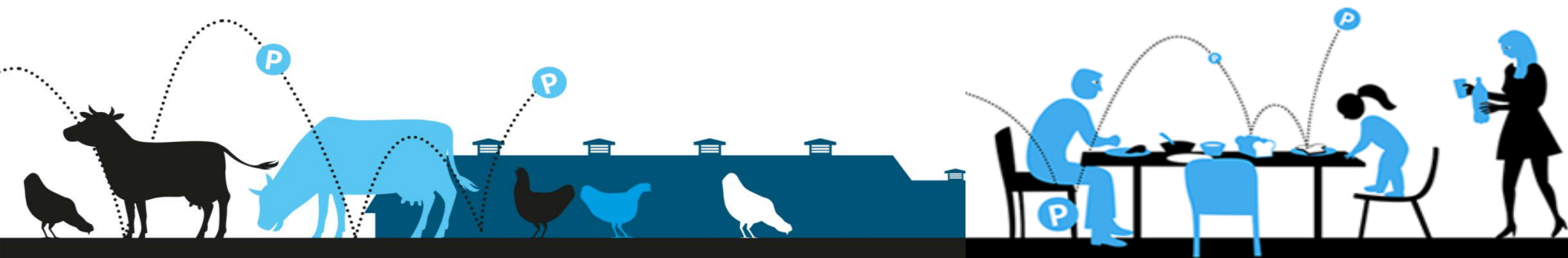


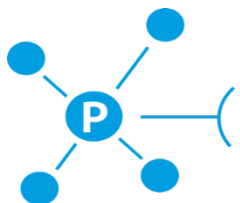


## ESPP actions 2015 & underway → Regulatory

### ➤ Meetings EU Commission services

- DG GROW (P4) on 22/5/15
- DG Agriculture 26/3/15
- EIP-AGRI 30/4/15
- DG RTD 30/4/15
- DG ENVI 17/6/15
- P-REX presentation of policy recommendations 28/8/15
- follow up and actions ?
- still missing: External Action Service, Health and Food Safety



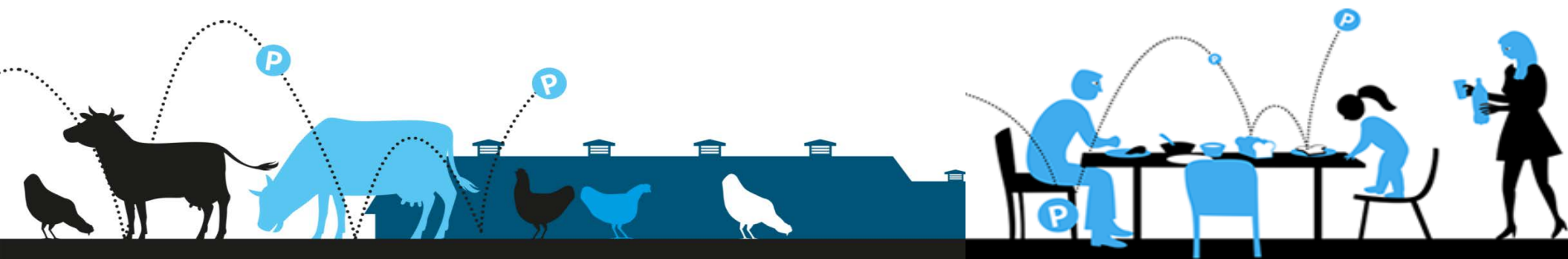


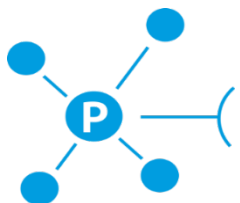
## ESPP actions 2015 & underway → DONUTSS

**Data on Nutrients to Support Stewardship** *see SCOPE Newsletter 118*

<http://phosphorusplatform.eu/donutss>

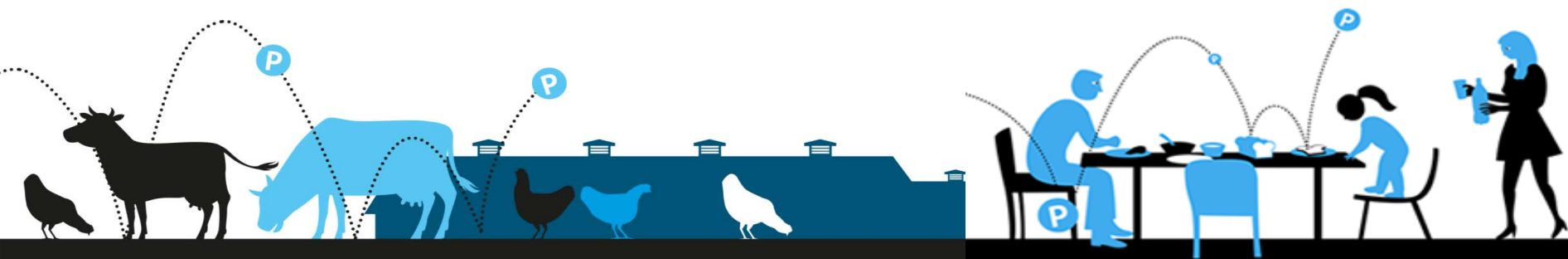
- Successful workshop Ghent (thanks to Kimo Van Dijk and Ottavia Zoboli)
- Part funded by EU Commission (DG GROW), with BioRefine, Ghent University
- Participation of industry federations, companies, EU Commission, Eurostat, EEA, national organisations ...
- DG GROW will present at EU Fertiliser Working Group on 27/11/15
- DG RTD point to opportunities in Horizon 2020 (→ 2018)
- **Objective is now to take this forward**
  - aim is NOT for ESPP to manage data, but to ensure putting-into-place of systems by other organisations



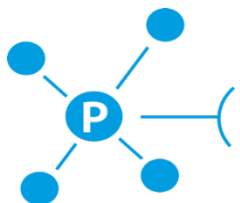


## ESPP actions 2015 & underway → input into R&D policies

- ESPP input to H2020 work programme consultations on SC2 and SC5, both 30/6/2014
- Successful P-recycling RTD Workshop organised with EU Commission, Berlin, 4/3/15,  
→ inventory of nutrient R&D projects and networks *see SCOPE Newsletter 111*  
→ proceedings published by European Commission *see SCOPE Newsletter 114*
- Regularly updated summary on P-recycling R&D with WssTP  
*see SCOPE Newsletter 109*
- ESPP table summarising different resource recovery R&D networks (what does each actually do): IWA RRC, ARREAU, WssTP, ... *see SCOPE 'in print'*
- Partnership with BlueTechResearch (work passed to C. Kabbe) for P-recycling webinars
- « State of the art » of phosphorus recycling research document, underway with WSST Resource Recovery Working Group



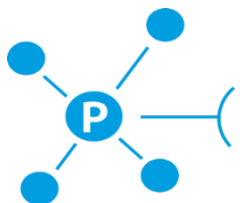




## ESPP actions 2015 & underway → Horizon 2020

- ESPP has had recent contacts with c. 10 H2020 and InterReg project consortia
  - ESPP proposes dissemination and expert committee participation but *NOT* to be « partner »
- Several H2020 2016-2017 announced calls relevant to bio-nutrient stewardship
  - Cross cutting CIRC-02-2016-2017: Water in the context of the circular economy **1<sup>st</sup> deadline 8/3/16**  
<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2343-circ-02-2016-2017.html>
  - Cross cutting: CIRC-04-2016: New models and economic incentives for circular economy business **1<sup>st</sup> deadline 8/3/16**  
<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2360-circ-04-2016.html>
  - BB-02-2017 Towards a methodology for the collection of statistical data on bio-based industries and bio-based products **1<sup>st</sup> deadline 14/2/17**  
<https://ec.europa.eu/research/participants/portal4/desktop/en/opportunities/h2020/topics/6079-bb-02-2017.html>
  - SFS-30-2017: Closing loops at farm and regional levels to mitigate GHG emissions and environmental contamination - focus on carbon, nitrogen and phosphorus cycling in agro-ecosystems. **1<sup>st</sup> deadline 14/2/17**  
<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/6056-sfs-30-2017.html>



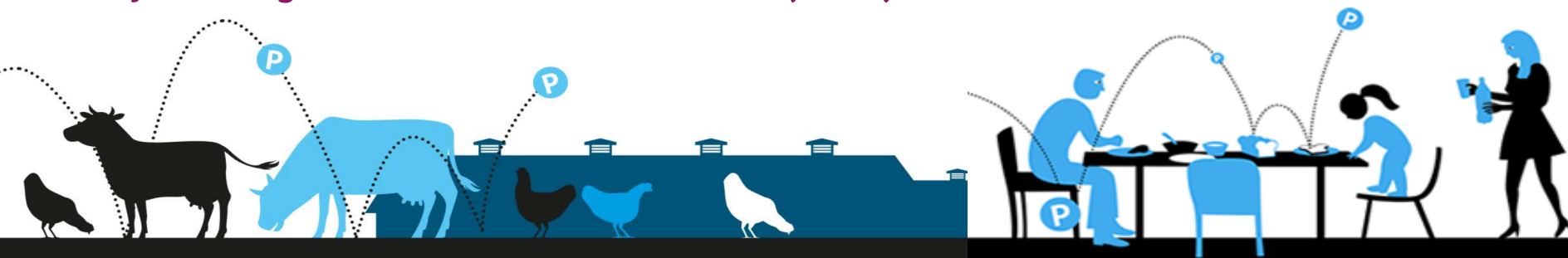


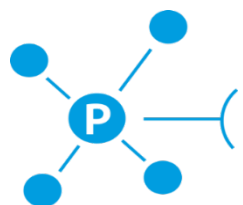
## ESPP actions 2015 & underway → ESPC2 Berlin, 3/2015

### Successful ESPC2 Berlin, March 2015 *see SCOPE Newsletter 111*

- 300 people
- 60 posters
- « Demitarian » catering
- Publication of 12 policy action proposals
- Presentation of success stories
- Widening of ESPP networks
- EU Commission impressed by knowledge and network
- Conference summary = SCOPE 111
- **Impact in Germany: companies are interested in the work of the platforms and have an increased willingness to become members in the platforms**

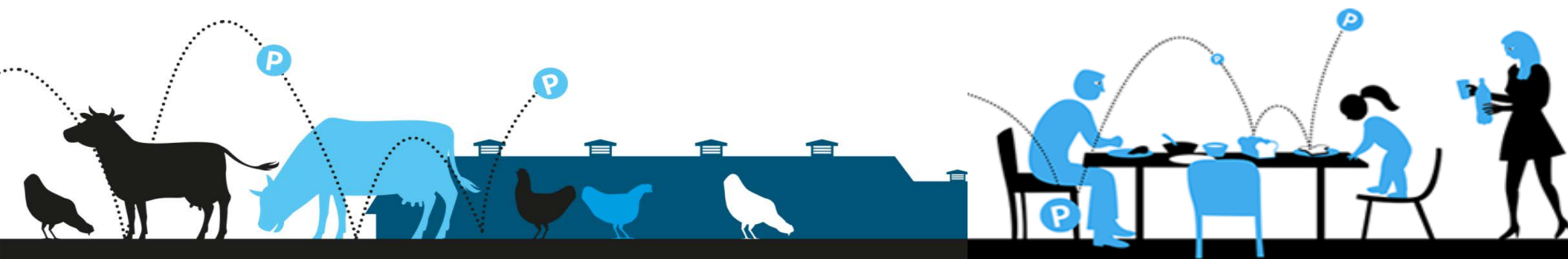
### Project to organise ESPC3 in Baltic in 2017 (BSAG)

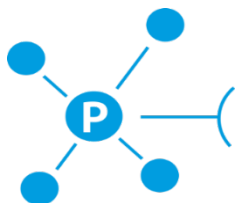




## ESPP actions 2015 & underway → ESPP presence at ...

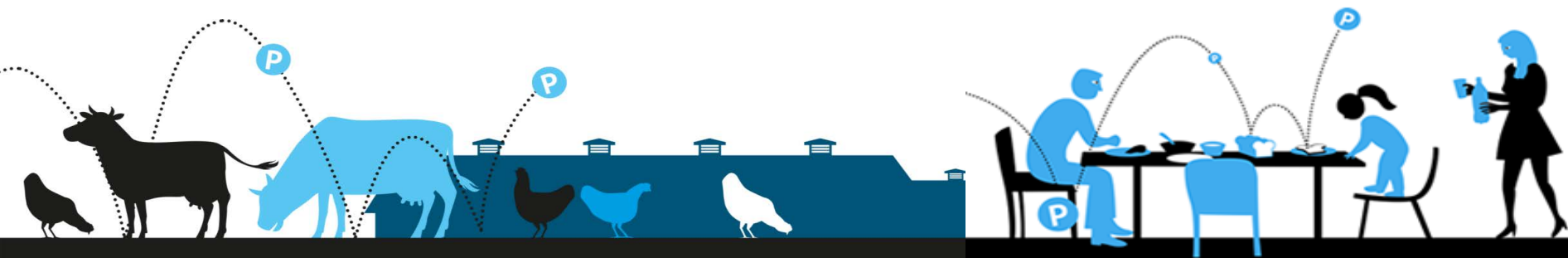
- P-REX summer school, 9/2014 **Scope 108**
- iNET seminar on P-recovery, Switzerland, 9/2014 **Scope 108**
- P-REX workshop, Czech Republic 9/2014 **Scope 98**
- French national association of Chambers of Agriculture 11/2014
- COPA-COGECA nutrients meeting 26/3/14 **Scope 104**
- UK Nutrient Platform, Leeds, 11/2015, London 4/2015 **Scope 113**  
and Scotland nutrient meeting Edinburgh 9/2015 **Scope 117**
- WssTP Resource Recovery WG 6/2015, 11/2015
- ICSPC (Int Conf Sustainable Phosphorus Chemistry) SUSPHOS 12/2014 **Scope 110**
- International Fertiliser Society Conference 12/2014 (Kabbe) **Scope In Print**
- WEX GLOBAL Turkey, 3/2015 (Kabbe)
- BSAG European Parliament meeting on Circular Economy 5/2015 **Scope 114**
- P-REX final meeting, Waternet, ICL Fertilizers and Amsterdam West wwtp visits 6/2015 **Scope 115**
- Outotech LIFE+ Skelleftea, Sweden, 6/2015 **Scope 116**
- ECN Circular Economy conference, 6/2015

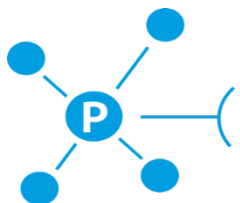




## ESPP actions 2015 & underway → ESPP presence at ...

- European Commission Circular Economy stakeholder conference 6/2015 **Scope 114**
- European Parliament meeting Giovanni la Via on bio-nutrient circular economy 11/11/2015
- DG Environment BEMP Agriculture meeting, ExpoMilano 7/2015 **Scope 116**
- RISE Foundation Sustainable Intensification, ExpoMilano 9/2015 **Scope In Print**
- EuCheMS Endangered Elements 9/2015 (Schipper)
- IWA 'Resource Recovery' conference, Belgium, 9/2015 **Scope In Print**
- Meeting to discuss RISE report on nutrient recycling in sustainable intensification 11/11/15 (report expected Spring 2016)
- TU Vienna Mining the Technosphere 10/2015
- Industrial Emissions Directive 19/10/15 (Kabbe) **Scope 116**
- BioRefine project closure conference 9/2015 **Scope 118**
- EIP-AGRI workshop on circular bio-economy opportunities, Finland, 10/2015 **Scope In Print**



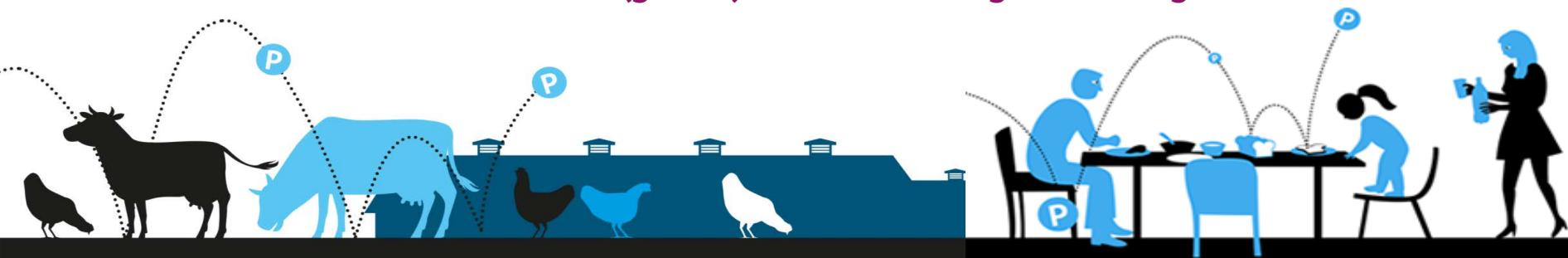


## ESPP actions 2015 & underway → International

ESPP involvement in:

- 4<sup>th</sup> world Sustainable Phosphorus Summit, Montpellier, 9/2014  
*see SCOPE Newsletter 109*
- CRU Phosphates 2015, Tampa, 3/2015 (covered by Willem Schipper)  
*see SCOPE Newsletter 112*
- P-RCN and NAPPS (North America) 5/2015 *see SCOPE Newsletter 114*
- SYMPHOS (OCP Morocco) 5/2015 (covered by Willem Schipper)  
*see SCOPE Newsletter 115*
- GPNM (Global Partnership for Nutrient Management)
  - launch of GPNM (global/UNEP) P Task Team (A. Passenier, Edinburgh, 9/2015)  
*see SCOPE Newsletter 118*

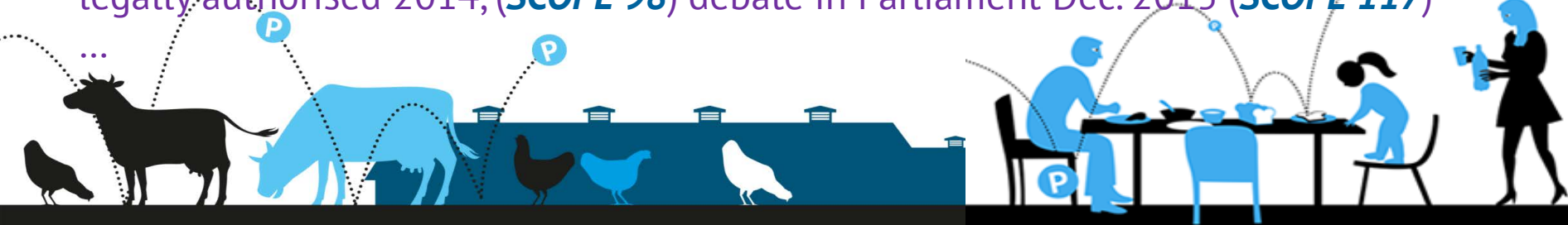
**NOTE: 5<sup>th</sup> Sustainable P Summit (global) China, Kunming 16-20 Aug 2016**



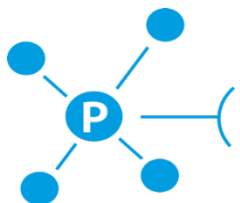


## Policy developments → International

- ❖ **Germany:** ban on sewage sludge agriculture use (wwtp > 10 000 p.e.) and P-recovery obligation included in current Government's coalition contract 27/11/2013 and still under consideration
- ❖ **Denmark:** 2013 national resource strategy vocational target 80% P-recycling from sewage by agricultural use or mono-incineration + ash P-recovery by 2018 (**SCOPE 111**)
- ❖ **Sweden:** EPA proposal (2013) of 40% P and 10%N reuse from « wastes » to agriculture by 2018, subject to public consultation in 2013 (**SCOPE 98**) ... no decision to date
- ❖ **Switzerland:** agricultural use of sewage sludge banned since 2008 (regulation 2003). Federal ordinance requiring P-recovery from sewage sludge ash and bone meal ash (or separate landfill for future recovery) proposed 6/2013 (**SCOPE 102**) ... pending decision expected by end 2015
- ❖ **Netherlands:** P-balanced farming obligatory, recovered phosphates as fertilisers legally authorised 2014, (**SCOPE 98**) debate in Parliament Dec. 2015 (**SCOPE 117**)







## Status of national nutrient platforms

**Netherlands** 2010 <http://www.nutrientplatform.org/>

- Currently 36 paying members

**Flanders** 2012 <http://www.vlakwa.be/en/initiatives/nutrientplatform/>

- no budget for 2016

**Germany** 2015 [www.deutsche-phosphor-plattform.de](http://www.deutsche-phosphor-plattform.de)

- Positive relaunch since March 2015, to date no ministry funding

**Baltic:** work with Baltic Sea Action Group [www.bsag.fi](http://www.bsag.fi)

### Projects underway:

- **UK:** 4 meetings (1 funded by ESPP 2013, 3 by BioRefine 2014-2015). Outline paper presented 9/2015 with proposal to now establish a steering committee.
- **France:** 1 meeting funded ESPP 2014. Was in BioRefine project but not taken forward. Needs engagement from Government to date.
- **Norway:** evolved away from Platform to targeted national actions & policy proposal
- **Czech Republic ? Spain – Portugal ?**

