



## ESPP a coalition for action

ESPP is a non-profit organisation, funded by its members, which brings together industry, knowledge institutes and public establishments, alongside national nutrient platforms, to promote and implement phosphorus sustainability in Europe:

- **Dialogue & networking** of expertise and experience
- **Collaboration** of industry, R&D, public authorities, stakeholders for sustainable phosphorus management in Europe
- **Awareness building**
- Access to **policy & regulatory** developments
- Dissemination of **innovation**, business cases, value chain



See updated list and Member' presentation pages on [www.phosphorusplatform.eu/members](http://www.phosphorusplatform.eu/members)

## Platform action sectors

- Ⓟ Waste water and waste treatment
- Ⓟ Fertilisers, agriculture, animal feeds, food and beverages
- Ⓟ Recycling technologies, sustainable chemicals, composts, digestates, manure management
- Ⓟ Local / regional / national authorities
- Ⓟ R&D and innovation
- Ⓟ Dialogue with farmers' organisations, organic farming, environmental and consumer NGOs

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## ESPP's vision

Concerns about **phosphorus stewardship and sustainability** can be expected to increase in coming years with international pressures on raw materials, ongoing and widespread impacts of eutrophication and concerns about contaminants.

Phosphorus is a non-renewable resource, non-substitutable for agriculture and food production and is **directly linked to global food security**. It is also important in a range of industrial and technical uses. The world's mineral phosphate resources are finite and are mainly concentrated in a few countries, so that although there is debate about their extent and extractability, the need for phosphorus stewardship will endure. Europe is 90% dependent on imports and phosphate rock is on the EU list of 'Critical Raw Materials'.

At the same time, **phosphorus losses pose major environmental issues**. Phosphorus is the principal contributor to surface water quality failure (eutrophication) in much of Europe. Phosphorus use considerably exceeds environmental Planetary Boundaries. Yet Europeans eat around twice as much phosphorus as the minimum required for health.

These issues have **synergies** with other challenges, including nitrogen management, water treatment and sustainable sanitation, biogas and biofuels, food waste, soil carbon, contaminants and food safety.

Improving the **efficiency of phosphorus processing and use**, in industry, agriculture, livestock production, food processing and diet, and developing **reuse or recycling** of phosphorus can save money, contribute to reducing nutrient pollution, and **create jobs in the nutrient circular economy**, contributing to distributed rural employment and to farmers' incomes.

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## ESPP's priority challenges

- P Organic contaminants:** safety and acceptance of products recycled from organic wastes (farmers, food industry, supermarkets, consumer). Need for data and risk assessments. Information on abatement in treatments (sewage works, composting, digestion)
- P Nutrient management in the agri-food chain**, including distribution and supermarkets, in particular by integrating nutrient stewardship, eutrophication prevention and acceptance of recycled nutrients into food industry sustainability criteria and supply specifications.
- P Dietary choices:** meat and dairy in diet and diet phosphorus footprint.
- P Nutrient circular economy:** business models for organics and nutrient recycling enabling farmers to pass on costs
- P Sustainable livestock production:** impacts of regional concentration of livestock production, animal feeds, environmental impacts (eutrophication, ammonia emissions), manure nutrient recycling
- P Legal framework and standards:** fertilisers, waste, chemical organic farming regulations

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## Platform actions underway

### **P Networking and contacts:**

- **enable Members & Partners** to access to expertise, experience, competence
- **dialogue** with policy makers, technical organisations, stakeholders, international
- **communicate** proposals for collaboration and calls
- **showcase** Members' & Partners' actions, success stories and innovation
- **DONUTSS**: data on nutrients to support stewardship and decision making  
[www.phosphorusplatform.eu/donutss](http://www.phosphorusplatform.eu/donutss)

### **P Awareness and communications:**

- ESPP website [www.phosphorusplatform.eu](http://www.phosphorusplatform.eu)
- ESPP / **SCOPE Newsletter** and **eNews** (emailed to 45 000 contacts worldwide)
-  **Twitter** professional information relay [@phosphorusfacts](https://twitter.com/phosphorusfacts)
- **dissemination of R&D projects**: e.g. P-REX eMarket for recycled P on ESPP website
- participation in **conferences**

### **P Policy and regulatory** [www.phosphorusplatform.eu/regulatory](http://www.phosphorusplatform.eu/regulatory)

- **EU Fertiliser Regulation recast**: taking recovered nutrient products into account (underway)
- **STRUBIAS**: developing criteria for struvite, biochars, ash-based products (underway)
- **Environmental policies**: Urban Waste Water Treatment Directive, Water Framework Directive, Nitrates Directive, sludge contaminants
- **“Processed manure”** in EU Nitrates Directive
- **EU / EIB Investment Fund**
- **EU list of Critical Raw Materials**: phosphate rock, P4 white phosphorus (reassessment underway)
- **Organic Farming Regulation**: proposed validation of recycled P products
- **REACH** (EU chemicals regulation):
  - application of Art 2(7)d “recovered” substances/by-products
  - exemption of digestates
  - REACH dossier update and upgrading for struvite
- **BAT BREFs** (Industrial Emissions Directive):
  - pig & poultry production
  - large combustion plants – waste incineration – food, drink & milk
  - proposed generic BREFs for “Resource Efficiency” – manure treatment
- **BEMPs**: EU Eco-Management and Audit Scheme Regulation (EMAS) for “agriculture”
- **EIP-AGRI** “Focus Group” on recycled nutrients (underway)
- **Standards**: CEN SAGE P-recycling, ISO 275, standards needs for bio circular economy
- **Horizon 2020**: input to content, dissemination of calls
- **Bio-nutrient circular economy**, bio-refineries, rural job creation, farmers income, CAP (Common Agricultural Policy), ENRD (European Network for Rural Development), Rural Development Funds
- **etc.**

### **P International**: Global Partnership for Nutrient Management (GPNM, under UNEP-GPA), North America Sustainable Phosphorus Alliance (SPA) <https://phosphorusalliance.org>

### **P Development of national /regional nutrient coordination**: Baltic Council of Ministers & Helcom (with BSAG [www.bsag.fi](http://www.bsag.fi)), Switzerland, Ireland, France

### **P Inventory of phosphorus-related R&D projects** and nutrient recovery networks [www.phosphorusplatform.eu/members](http://www.phosphorusplatform.eu/members)

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

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# Platform membership & partnership conditions

**Join the Platform** to participate and be visible amongst Europe's frontrunners in sustainable phosphorus management

Annual membership / partnership fees (ex VAT):

- Member States, Nutrient Platforms = 10 000 €
- Companies = 6 000 €
- Regional / local authorities = 4 000 €
- SMEs = 2 000 €
- Knowledge institutes, NGOs, R&D projects = 2 000 €

Platform **Members** are the legal members of the non-profit association ESPP and sign the statutes. The legal members constitute the Platform's General Assembly and their representatives constitute the Board.

Platform **Partners** pay the same fee, have access to the same information, participate in the Platform's meetings (with a consultative voice) and in networks and activities. Only the legal members vote in formal decisions, but in practice actions and proposals are usually defined by consensus between all concerned members and partners.



**European Sustainable Phosphorus Platform**

European Sustainable Phosphorus Platform [www.phosphorusplatform.eu](http://www.phosphorusplatform.eu) @phosphorusfacts

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National / regional nutrient platforms

Netherlands [www.nutrientplatform.org](http://www.nutrientplatform.org) Germany [www.deutsche-phosphor-plattform.de](http://www.deutsche-phosphor-plattform.de) Baltic (BSAG) [www.bsag.fi](http://www.bsag.fi)