Call for texts: phosphorus stewardship and climate change

Send us your ideas for action on nutrients and climate change to appear with the world's leading experts. Maximum 600 words. Deadline 29th February 2020 latest (instructions below)

The European Sustainable Phosphorus Platform is preparing a special SCOPE Newsletter edition on "Nutrients and Climate Change". This will consist of selected short texts presenting expert perspectives on how climate change will impact nutrient cycles and actions for mitigation.

SCOPE Newsletter is circulated to 42 000 companies, stakeholders, regulators and media interested in nutrient management, worldwide, with a detected opening rate of 12-14%, and is published on the ESPP website www.phosphorusplatform.eu

Proposed texts are invited from researchers, companies, stakeholders and any interested party. Around twenty texts will be selected for publication by an editorial committee chaired by Jessica Stubenrauch, Beatrice Garske (FNK Leipzig & University of Rostock), Anders Nättorp (FHNW Switzerland) James Elser (University of Montana), Sustainable Phosphorus Alliance and ESPP.

Content:

In Paris 2015 the global community agreed to limit global warming to 1.5 or well below 2°C, which implies a budget of 400 Gt CO2 (1.5°C), zero fossil fuels and reduced livestock farming in about two decades, as well as technological approaches for compensating some remaining emissions. However, the sum of current national plans indicates a warming of 3-4°C and these include unproven mitigation technologies[1].

Proposed texts could address, for example:

- Phosphorus and nutrient cycling, climate and eutrophication
- Phosphorus and nutrient supply, climate and food security
- Nitrogen compounds as greenhouse gases, links to phosphorus and to organic flows such as manure, sewage
- Energy use and CO_2 emissions by nutrient recycling, management and transport
- Phosphorus and other nutrients, carbon storage
- Phosphorus and nutrients in the bioeconomy, bio-resources and biofuels production, and climate links
- Climate change effects on nutrient management in the food and waste systems
- Phosphorus, nutrients and climate change in conventional and organic agriculture: soils, crops, animal feeds, forage crops
- Dietary change and the carbon, nitrogen, and phosphorus footprints of diet
- Governance, societal, economic challenges linking phosphorus and nutrients to climate change

Selection preference will be accorded to scientifically founded suggestions for actions for nutrient management, in particular phosphorus, taking into account published data.[2] Selection of texts by the editorial committee and ESPP is final. It may be proposed to authors to revise certain points before acceptance.

For illustration of a similar issue of SCOPE Newsletter, see n°106 www.phosphorusplatform.eu/scope106

Instructions:

- deadline for submission of texts = 31.01.2020 by email to info@phosphorusplatform.eu
- maximum **600 words**
- 1-2 photos may be included, inserted into the text, with credit if required, photos must be free of rights for web publication
- WORD or RTF document
  - main text in Arial 11, titles and subtitles in Arial 14
  - title, at the top = theme (max 6 words) + article title (max 10 words)
  - author(s), below title = Arial 9, including for each author: name, affiliation (organisation), city and country, email

1 *See e.g. primer by Kevin Anderson, starting at 20': http://kva.se/sv/kalendarium/the-gordon-goodman-memorial-lecture-2017*

2 *See e.g. IPCC Special Report on Global Warming of 1.5 ºC (2018) https://www.ipcc.ch/sr15/*
Steffen et al. on risk and tipping points (2018): https://www.pnas.org/content/pnas/115/33/8252.full.pdf
IPCC report on Climate Change and land (2019): https://www.ipcc.ch/site/assets/uploads/2019/08/Fullreport-1.pdf