



## Workshop: Reducing water pollution from pharmaceuticals

Zaragoza, Spain. 13 December 2019

**Aim:** To bring together knowledge and expertise on how to reduce the presence of pharmaceuticals in the water environment. To identify lessons learned and opportunities for joint follow-up action.

### Draft Agenda:

- 09:00 **Registration.** Coffee will be available for participants
- 09:30 **Welcome** by **Veronica Manfredi**, European Commission; **Bruce Gordon**, World Health Organization (WHO) & **Jose Maria Abad**, Aragon Department of Health
- 09:40 **Introduction** by Veronica Manfredi, European Commission
- 09:55 **Keynote presentation “SDGs: Linking Water & Health”** by **Bruce Gordon**, World Health Organization (WHO)
- 10:15 **Panel presentations on ongoing work.** Chaired by **Sandra Garcia-Armesto**, Aragon Department of Health.
- *Antibiotics and water in Aragon region*, by **Juan Carlos Vidal**, Aragon Environmental Science Research Institute
  - *“Quality Unknown” – Solutions that focus on information, prevention and investment*, by **Steven Schonberger**, The World Bank
  - *The European Commission’s Strategic Approach to Pharmaceuticals in the Environment*, by **Hans Stielstra**, European Commission
  - *AMR and Environment: A WHO perspective from the Global Action Plan on AMR*, by **Kate Medicott**, World Health Organization (WHO)
  - *Supply chain approach and producer responsibility*, by **Oliver Loebel**, European Federation of National Associations of Water Services (EurEau)
  - *European Pharma Industry’s initiative to address PIE – Eco-Pharmaco-Stewardship*, by **Michael Wiedemann**, European Federation of Pharmaceutical Industries and Associations (EFPIA) and Bayer AG
  - *The Safer Pharma campaign: Protecting the environment from pharmaceutical pollution*, by **Jean-Yves Stenuick**, Health Care Without Harm (HCWH)
- 10:50 **Moderated Discussion ‘Action at source’ with panellists and audience.** Moderated by **Guido Schmidt**, EIP Water. Addressing questions as:
- How can authorities be a role model (e.g. green public procurement)?
  - What shall be done about advertising?
  - How can the availability of effective ‘greener pharmaceuticals’ be increased/encouraged?
  - How can the healthcare professionals and the public be informed and engaged?
- Conclusions by the Moderator
- 11:40 **Moderated Discussion ‘Innovative effluent management at hotspots’ with panellists and audience.** Moderated by **Bruce Gordon**, World Health Organization (WHO). Addressing questions as:
- *“Use hotspots”*: How can hotspots be identified/targeted (e.g. hospitals, UWWTPs in dense urban areas) and how can different stakeholders cooperate on monitoring/treatment?
  - Manufacturing hotspots: how to reduce emissions, including how to combat AMR?
  - Which innovative technology for effluent management offers the most promise?
  - How to apply the polluter-pays principle (including mechanisms for implementing extended producer responsibility)?
- Conclusions by the Moderator
- 12:30 **Way forward – next steps**, by **Veronica Manfredi**, European Commission & **Bruce Gordon**, World Health Organization (WHO)
- 12:40 **Closure**

A light cocktail will be served after the workshop