February 13, Zwolle
Bilderberg Hotel Wientjes

This project is funded by the EU INTERREG-VA Program
Germany-Netherlands (project number: 142118)
MEDUWA Declaration 2020 on the Emission of Human & Veterinary Medicines

The undersigned partners and stakeholders of the European INTERREG-VA MEDUWA-project, declare that:

1. The emission of human and veterinary medicines (pharmaceuticals), their transformation products, and microorganisms that have become resistant to antimicrobials, affect the quality of life and should be avoided in accordance with the precautionary principle.

2. The contamination of surface, ground and drinking water, soil, food and air by these chemical and biological contaminants should be considered a public hygiene issue and should be the subject of a combined health policy of both human and veterinary medicine (the One-Health approach).

3. It is important that the water, human and veterinary health, and agri-/aquaculture sectors co-operate to solve the issue to the extent possible at its source.

4. During the education and ongoing training of those who will be prescribing medicines more emphasis needs to be given to the topic of the environmental cycle of medicines and antimicrobial resistant micro-organisms.

5. According to the polluter pays principle and in order to lower societal costs, environmental quality objectives should be increasingly integrated in policies concerning agriculture as well as human and veterinary health of all EU member states.

6. Policies and legislation should place more emphasis on the production, use and discharge of environmentally-persistent medicines. Synthetic chemicals including medicines and their impacts still receive insufficient attention in the Water Framework Directive and all other related directives, according to their latest EU Fitness Check.

7. In addition to (inter)national governments, regional and local governments are urged to integrate policies on environment, agriculture and human/veterinary health and enable measures and pilot projects to improve the quality of ground, surface and drinking water, and soil.

8. All relevant EU funding programmes for research and development should include the development and upscaling of source-oriented solutions.

9. We will strive to continue our cross-border collaboration, and to further develop and promote MEDUWA innovations after the project ends in 2020.

10. We will keep this issue high on our respective agendas and will encourage other organisations to do the same within their local, regional, national and international networks and ask them to work together on concrete solutions.
MEDUWA Declaration 2020 on the Emission of Human & Veterinary Medicines

List of Signatory Parties:
The following list entails the signatories of the MEDUWA Declaration 2020. If an institution is indicated after the name, the signer also signed on behalf of an organization:

Ina Ebert, Umweltbundesamt
Erik Lievers, Waterschap Vechtstromen
Svenja Starke, Microganic
Janco van Gelderen
Thomas Kock, Weil Wasseraufbereitung
Björn Werdeling, Weil Wasseraufbereitung
K.H. Odink, Waterschap Drents Overijsselse Delta
E.J.I.M. Leenen, H2Oké
Julian Fischer, a tip: tap e.V.
Richard Schlicker, Geoplex GIS GmbH
Frederik Hilling, Geoplex GIS GmbH
Rien de Ridder, Waterschap Zuiderzeeland
Lieneke Stam
Volker Lämmchen, University Osnabrück
Herman Feil, Alloksys Life Sciences
Josephine Deperink, Novaris
Paul Leenders, VitalFluid
Joris de Grooth
Maria Groot
Dick Bijl, ISDB
Cornelis Peters, Europa Ayurveda Centrum
Martijn van Heijningen
Franziska Czernik
Thorsten Kuczias
Paul Scheepers
Martien Graumans
Caroline van Bers, The Integrated Assessment Society
Margarita Amador, Stichting Huize Aarde
Raissa Ulbrich, University Osnabrück
Will Clark, Health Care Without Harm (HCWH) Europe
Walter Oppel, BUND (Friends of the Earth Germany) Kreisgruppe Grafschaft Bentheim