



Das Land Niederösterreich

Healthy Soil – Healthy People

Dr. Ulrike Schauer

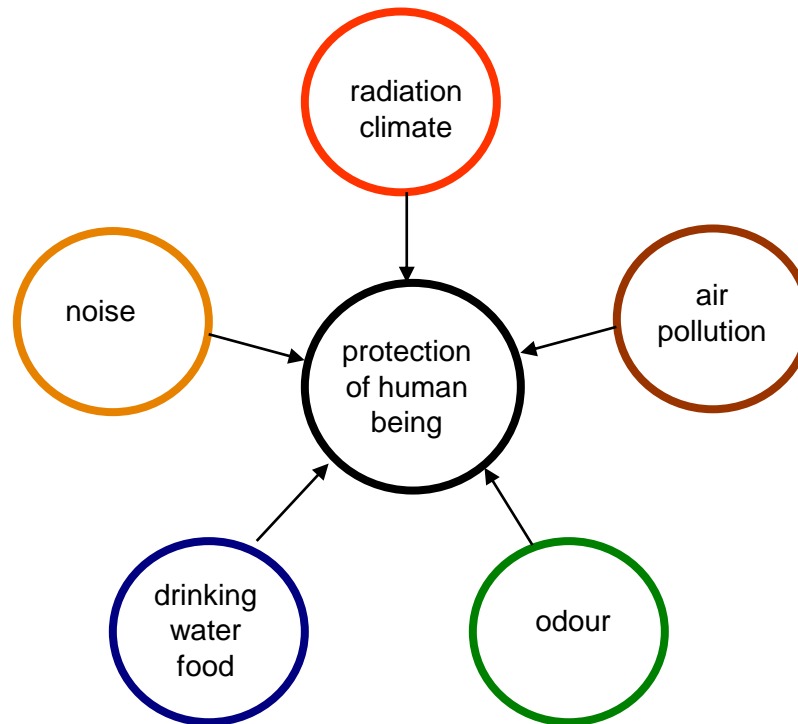
Department for Environmental Health
Lower Austrian Regional Government

26th Danube conference 2019

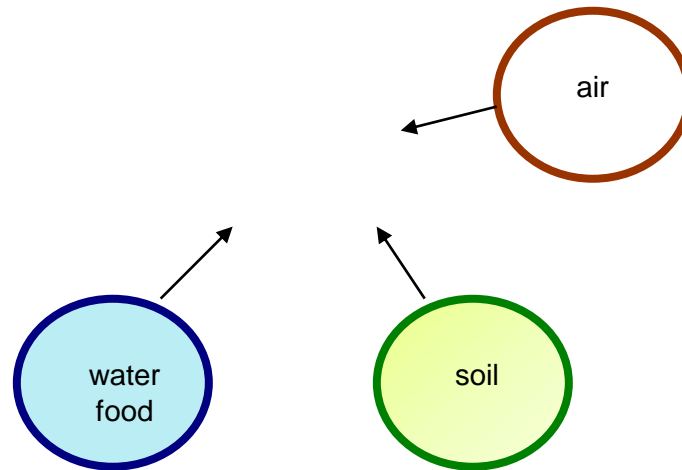
Department for environmental health

- **Medical affairs of environmental protection** (especially **drinking water supply, sewage and waste disposal**, noise protection, air pollution and radiation control), hygiene of bathing sites, saunas and spas including official expertises;
- drinking water hygiene and control
- Control of chemical and biocides law;
- official expertises in health and nutrition;
- Tuberculosis control and combatement
- Affairs of occupational medicine;

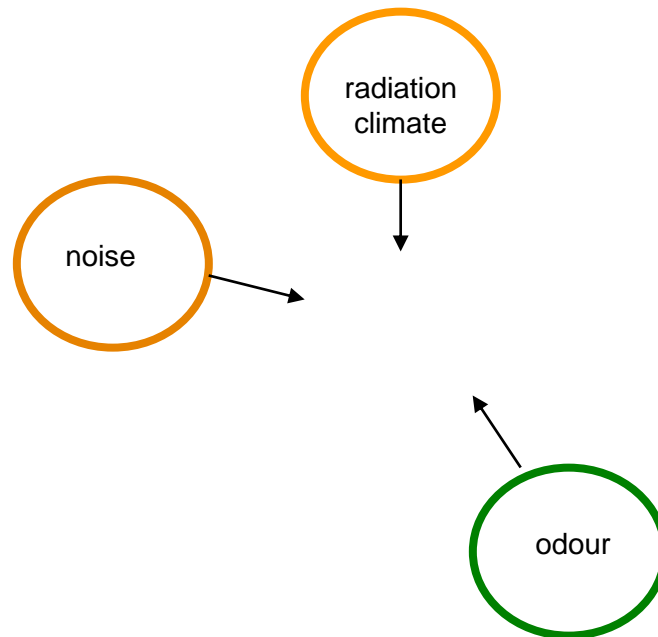
Environmental health



Environmental media



Environmental factors



Influence of soil on humans

- **water:**

- groundwater
- drinking water
- flood prevention

- **plants**

- healthy plants
- renewable energy

- **Noise prevention** by plants in the cities

- **(micro)climate**

- **ore**

- fossile energy
- metals (concentrations in drinking water)

Challenges

- Heavy rain and floods
- Global warming
- Quality of groundwater
- Global starving
- Retention of rainwater – prevention of floods
- Retention of rainwater – healthy (micro)climate
- Sustainable use of pesticides and fertilizers - guarantee healthy drinking water
- Sustainable agriculture – prevent global starving

Derogations of Drinking Water Parameters in Lower Austria 2018

- **Nitrate 19** suppliers, **1140** consumers
max. 99mg/l (limit 50mg/l)

Pesticides:

- Bentazon **1** supplier, **5000** consumers
max. 0,19 µg/l (limit 0,1 µg/l)
- Desethylatrazin **4** suppliers, **15** consumers
max. 0,17 µg/l (limit 0,1 µg/l)
- Desethyl-Desisopropyl-Atrazin **4** suppliers,
45475 consumers
max. 0,9 µg/l (limit 0,1 µg/l)

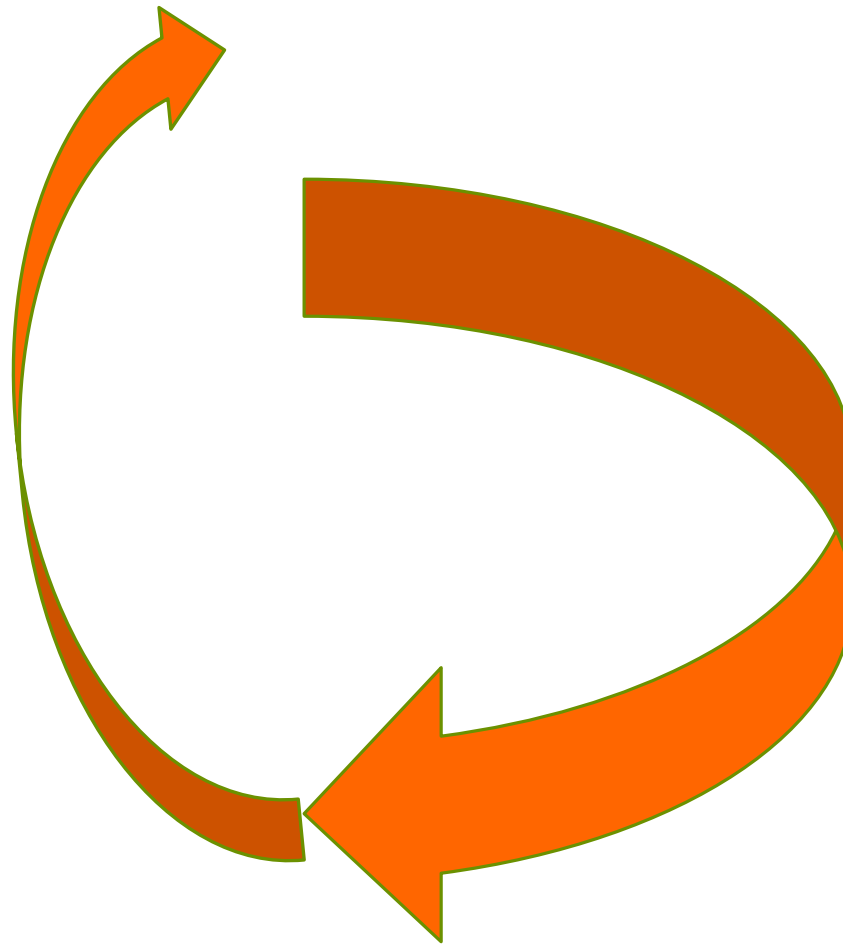
Derogations of Drinking Water Parameters in Lower Austria 2018

- Dimethachlor-Sulfonic-acid (metabolit CGA369873) **14** suppliers, **7373** consumers
max. 0,82µg/l (limit 0,1µg/l)
- Terbutylacine LM3 (metabolit Syn 546009)
1 supplier, **65** consumers
max. 0,13 µg/l (limit 0,1 µg/l)

https://www.sozialministerium.at/site/Gesundheit/Reiseinfos_Verbrauch_gesundheit/Ernaehrung_und_Lebensmittel/Trinkwasser/Oesterreichischer_Trinkwasserbericht

GS2 2019

Sustainability?



Sustainability

