

WASTEWATER-TALK

International exchange

Episode 09 July 2022

How is odor formed in our sewers?

Klaus Jilg, Siqi Tong & Raghu Chebrolu

Wastewater-talk

monthly new theme

International exchange

Wastewater is an issue
that absolutely needs
to be clarified



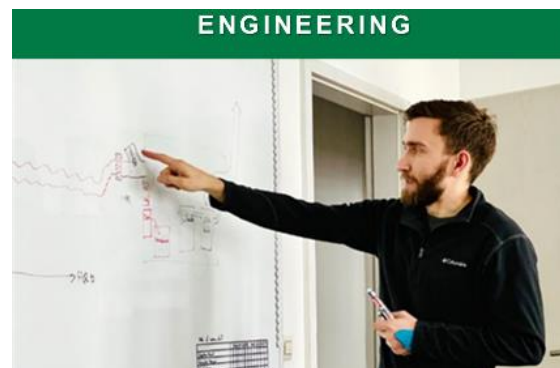
Klaus Jilg

Expert on odor and
other wastewater issues

- Monthly a new topic for discussion
- 2 alternative meeting times from April
- Exchange of knowledge in wastewater
- Passion for sharing
- Get to know you!
- [About Wastewater-Talk](#)

Episode	Topic	Content	Time (CET)
02	Drainage System Inspection (Drone & Boat)	Innovative inspection of drainage systems using drone and camera-equipped boat	02 Dec. 21 10:00
03	Extraneous Water Entrance Prevention	Impacts of extraneous water & countermeasures?	13 Jan. 22 10:00
04	Indirect Discharger Cadaster Investigation	How to easily obtain full supervision over indirect discharger in your region?	03 Feb. 22 10:00
05	Live Flow Monitoring in Drainage Systems	Why is it so important to know the live-flow in our drainage system?	03 Mar. 22 10:00
06	Exhaust Air Treatment in Wastewater Management	Odour treatment through external equipments	07 Apr. 22 10:00 & 15:00
07	Sulfide Balance in Drainage Systems	Automatic calculation of sulfide balance & introduction to SULFIDUS	05 May 22 10:00 & 15:00
08	Special Episode: IFAT Munich 2022	What is new at the IFAT this year?	02 Jun. 22 10:00 & 15:00
09	How is odor formed in our sewers?	Odor formation process in drainage systems?	07 Jul. 22 10:00 & 15:00

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PRODUCTS



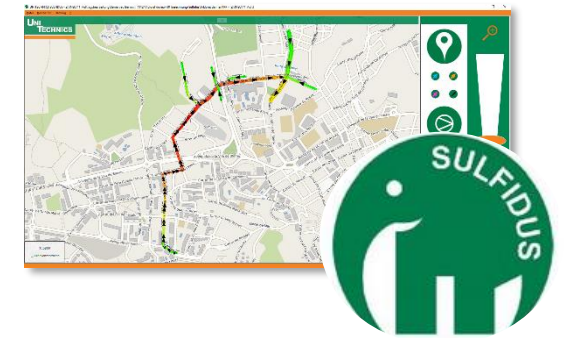
Engineering Consulting



Indirect Discharger Investigation



Sewer System Inspection



Sulfide Balance SULFIDUS



Odour & Corrosion



Extraneous Water Seal



Dosing & Exhaust Air Treatment



Rat Control

- Have you ever noticed unpleasant smells while walking on the streets in the city?
- Have you ever seen a „dancing“ manhole cover?
- Are the manhole covers fully sealed or with ventilation?



Development of water consumption per capita

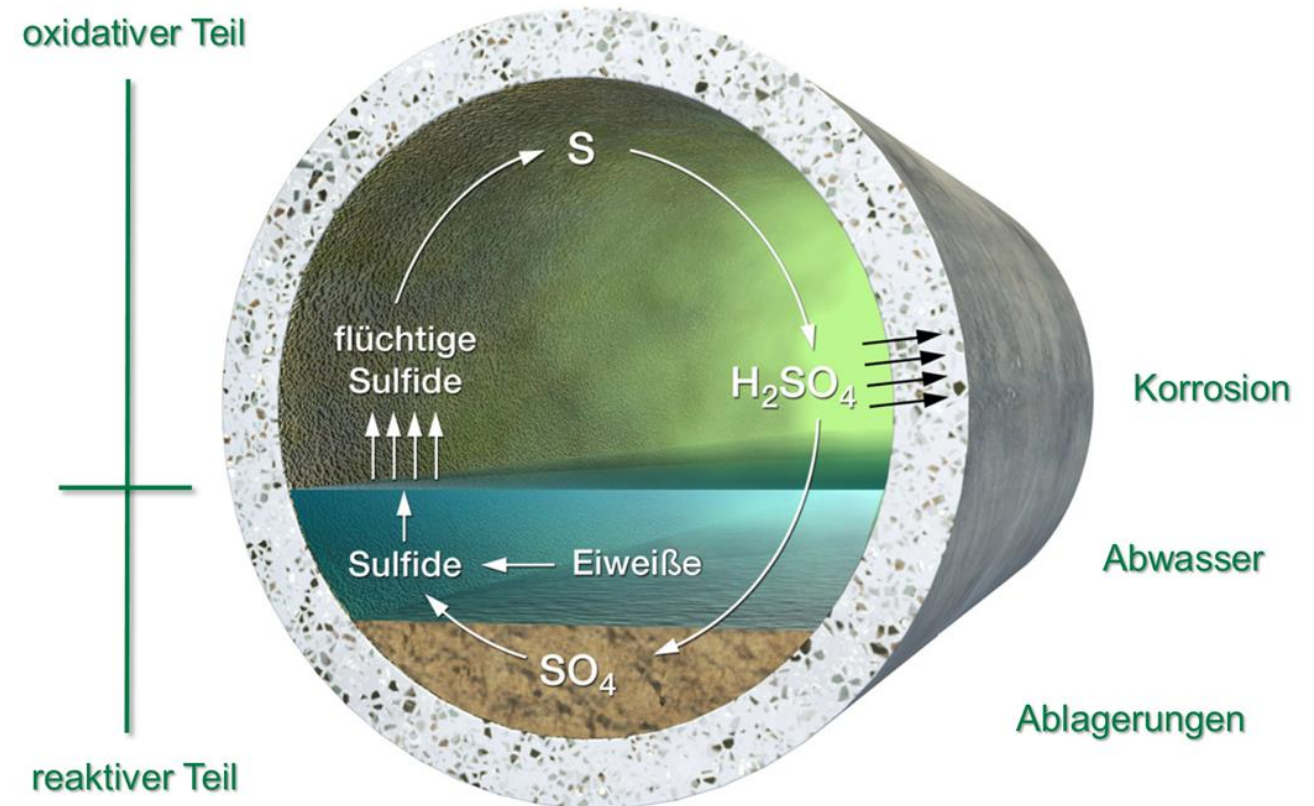
Liter / (capita · day), Germany

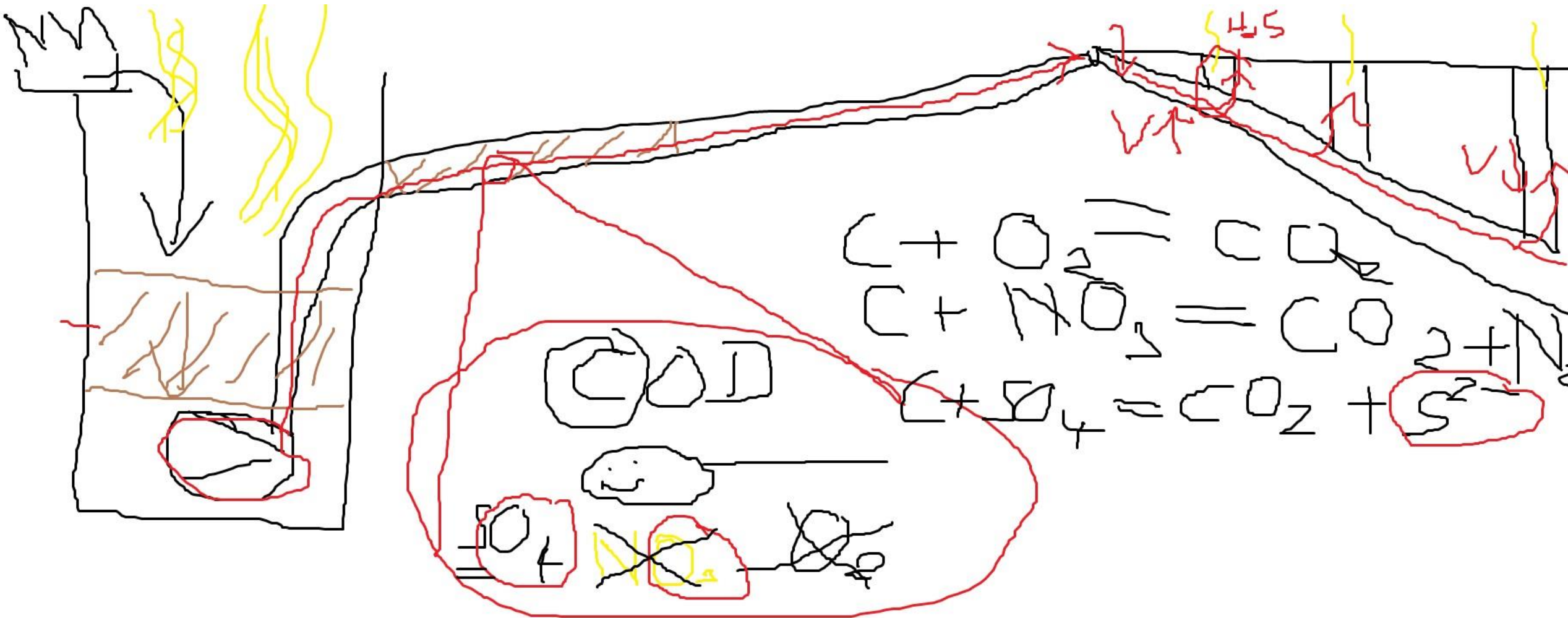


- Decreasing water consumption and wastewater generation
- Longer retention time in the sewer systems
 - Formation of malodour such as H_2S
- Ventilations holes on the manhole covers
 - Emission of H_2S from sewer systems
 - Complaints from citizens



- Long residence time of wastewater leads to fouling smells and corrosion in the pressure pipelines
- Concrete pipelines are corroded at a rapid phase which reduces the lifetime of the pipelines
- Due to the rapid corrosion many municipalities have to spend more money for sanitation works in the sewers





UNI TECHNICS

INNOVATIONS FOR YOUR SEWAGE SYSTEM

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