

Online seminar on innovative biogas technologies

A. Kleyböcker, S. Casa Garriga, F. Fantone, C. Bruni

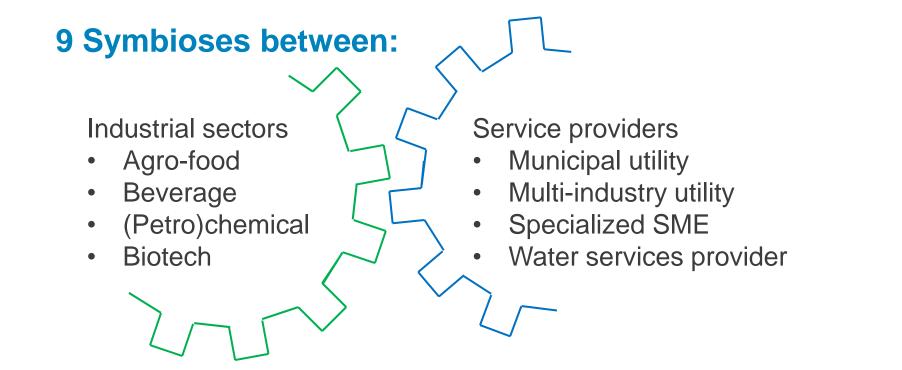
October, 30th 2020





Ultimate (June 2020 – May 2024): Industry water-utility symbiosis for a smarter water society

- Promotion, establishment and extension of Water Smart Industrial Symbioses
- Development and demonstration of **innovative technologies** for symbioses
- Assessment of the technologies and development of digital "support tools"
- Development of **new business models** towards marketability







Coordinator: KWR

9 Case Studies

27 Partners

37 Technologies





The project leading to this application has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 869318



3 Cross-cutting **Technology Groups:**

9 Topics









F. Fatone C. Bruni

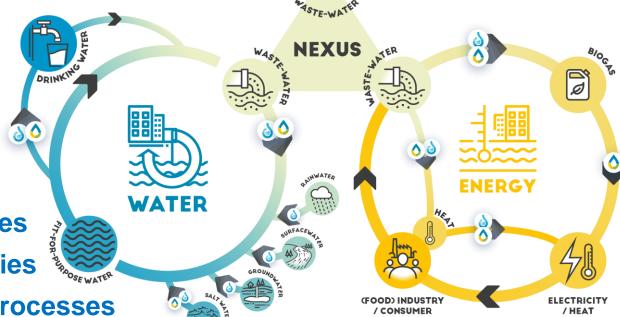
- **Nutrient recovery**
- **High added value products**
- **Metal recovery**





Adsorption technologies

Advanced oxidation processes



MATERIAL



KOMPETENZZENTRUM Wasser Berlin

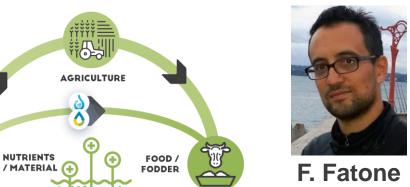
A. Kleyböcker

- Biogas technologies
- **Heat recovery**
- **Digitalization**



3 Cross-cutting **Technology Groups:**

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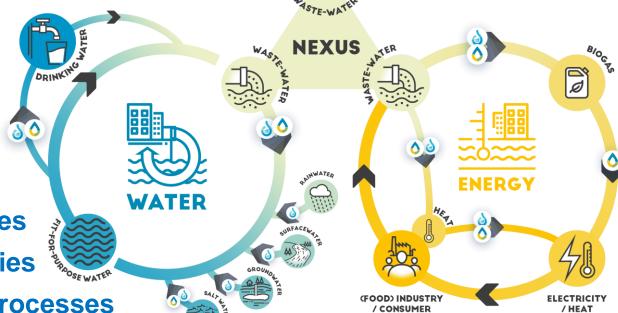
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10:15	Biogas production in CS7 Tain : Biogas production in an anaerobic membrane bioreactor (AnMBR) from distillery effluent <i>Marc Pidou (Cranfield University)</i>
10:30	Biogas production in CS5 Lleida: AnMBR versus bioelectrochemical fluidized bed reactor (BEFB) Antonio Giménez Lorang (FCC Aqualia)
10:45	Biogas production in CS6 Shafdan & Karmiel : Immobilized high rate anaerobic system (AAT) & biogas process stabilizing measures (PAC) <i>Isam Sabbah (The Galilee Society)</i>
11:00	NextGen : Anaerobic treatment of weak effluents at low temperatures Ana Soares (Cranfield University)
11:30	SmartPlant: Biogas recovery in primary treatment with a polyfoam biofilter (AAT) Isam Sabbah (The Galilee Society)
12:00	End