Edible Cities Network
Integrating Edible City Solutions
for social, resilient & sustainably productive cities

EdiCitNet

Social cohesion, environmental justice, human health & wellbeing

Our expertise to foster ECS

Nolde & Partner for innovative water concepts look back on more than 25 years of expertise in the field of sustainable water and wastewater management.

We are specialised in the planning, design and R&D of decentralised wastewater recycling systems, in combination with heat recovery from wastewater in addition to decentralised rainwater management solutions.

For us, wastewater is a source of water, energy and nutrients and therefore an essential component of any Edible City Solution (ECS).

The long-standing experience and research results from the "Waterhouse" will provide quantifiable evidence with regard to the ecological, social and economical impacts of such innovations on the urban environment and will contribute to an efficient water resources management and increased water reuse with the active involvement of stakeholders and end users.

Another challenge would be to look for efficient contracting models to professionally operate and maintain these innovative systems.

„Much better than to have a vision is keep on working to realise the vision."

We need to close the loops. All what is needed for urban agriculture is available in the neighbourhood!
By avoiding and reducing wastes and upcycling all what can be recycled, water, nutrients and energy need not be transported over long distances at the cost of the environment and the future of our children.

Developing greywater recycling to open source technology for EdiCitNet

Nolde & Partner
innovative Wasserkonzepte

Our Team

We are a small team from different disciplines including environmental engineering, process technology, environmental microbiology and physical engineering sciences.

Evaporation for a better urban micro-climate

Our best practice example

The so-called "Waterhouse" in the centre of Berlin is a lighthouse project that demonstrates innovative and sustainable urban water management solutions at a decentralized, local level.

It incorporates household wastewater recycling and reuse in addition to onsite rainwater management.

The Roof Water-Farm project further explores the treated wastewater for the production of food (aquaponics and hydroponics) and liquid fertilizer, in addition to the non-potable water reuse in buildings (toilet flushing, irrigation).

The Waterhouse is suited to demonstrating innovative water systems and services for efficient and sustainable water reuse in the city. It improves public awareness and acceptance for resource recycling and acts as a living laboratory for education and research and is frequently visited by researchers, experts and students from all over the world.

Hydroponic and aquaponic systems in Berlin „Waterhouse"

Our Role in the Project

Co-work in demonstrating innovative ECS as living labs in FRCs for replication and up-scaling in FCs (WP3) and in developing business models for ECS to enhance their urban integration and market uptake (WP6).

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