

"The Future of the World Depends on How Openly

Figure: imago images



Identity – WtERT is on it's way to a co-creative, agile and transformative working community:

The Waste-to-Energy Research and Technology Council (WtERT) is an international top-tiertechnical group that brings together local opinion leaders, experts and professionals from industry, science and municipalities with the objective of advancing the goals of sustainable waste management on a global scale. WtERT acts ...

... for the benefit of our environment and humanity.





Global WtERT-Organisations



Circular Ecolo hy

Circular Society

The change from "Circular Economy" to "Circular Society" is a societal approach, not just an economic one.

New forms of the production of knowledge and the participatory development of solutions are more likely to create promising approaches for a transition to the circular society than old ones.

Environment

Circular Society

Circular

Econom



Vision

Mission

We all live in a circular society where nothing is wasted!

In the WtERT Community we enhance the ability to understand, witness and raise awareness of existing problems and solutions in the field of waste and resource management. We stimulate a significant change in communication of solid waste management - for the benefit of our environment and humanity.

Open Source! Open Source! Open Source!

Most likely, there is already a solution to the problem somewhere in the world.

Imagine the potential of a collective global brain concentrating on sustainable waste management!

Firstly environment secondly economic interests!

Values



Emergence

Interaction between experts and participants in a complex network is generating emergent solutions...

>>> See WtERT Case Studies about Material AND Energy Recovery, Techniques as Solutions, Tax Instruments AND Political Solutions.
>> Finally, this Portfolio helps to Ensure the Mitigation of Greenhouse Gas (GHG) Emissions.

Best Przetice



Transfer Center of Kram. Tunisia

ransfer stations are of particular portance for the development anagement, as they are a...



N. L. Gore & Associates GmbH

Composting of Sewage Sludge in Kirchbichl, Austria

The ARAB Kirchbichl plant in Tyrol, ustria uses the GORE® Cover Process Technology in order to compost sewage sludge whilst reducing odors and emissions. 6...

Best Productice



Pollution Prevention in a Tunisian Hotel

oasis at the gate to the Sahara Desert. The area in which the hotel is located



adMad Kenya (Seren Associates Ltd)

Padmad, Initiative on reusable sanitary pad in Kenya

PadMad, co-founded by Madhvi Dalal is a social enterprise that has worked in Kenya and Somaliland on addressing period poverty. PadMad ntroduced biodegradable, reusable.



STADLER Anlagenbau GmbH

Mechanical-biological treatment plant (MBT) in Granada, Spain

The plant Ecocentral Granada was a renovation and an expansion of the old sorting and composting plant Lorna de Manzanares. It is a hybrid..



WEEE Centre

The WEEE Centre in Nairobi, Kenya and 15 Other Countries in Africa

The WEEE Centre, Nairobi Kenya offers recycling services for ICT waste to the general public, business,



Composting of MSW in Salaj, Romania

The plant in Salaj, Romania uses the GORE® Cover Process Technology in order to compost the organic fraction emissions, 6 GORE® Cover system..





from MSW whilst reducing odors and



Coliba Ghana Ltd.

The Dansoman-Glefe community plastic buyback center in Ghana

The Dansoman-Glefe community plastic buyback center initiated by Coliba Ghana offers the avenue for community members to bring their...

Oberland The Waste Reloading Station of the District Miesbach, Germany Up to 22,000 tonnes of waste by weight are pressed and reloaded. Case Study



On its Way to a Cleaner City, Siliana Begins Operation of Tunesia's First "île de propreté"

please see: EGIDE

Conversion of a lignite-fired power plant into a waste-toenergy plant using the example of the ZMS Schwandorf, Germany...

With the introduction of the GORE® Cover technology in 2014, the composting plant could be

VIVO Kommunalunternehmen für Abfall-Vermeidung, Information und Verwertung im

paration and environment among the population is the goal of our..

Standard 8

Tunisia: How to Run an Île de Propreté?

Sheltered Container Spots for a Decentralized Waste Handling by nvolving All Participants

iniversity Stuttgart - ISWA

Ensuring clarity about the amount of biowaste helps to reduce it

Research project carried out by ISWA, University Stuttgart



AVA Abfallverwertung Augsburg GmbH

AVA (Waste Treatment Augsburg), Germany - Energetic and Material Recycling Under One Roof Leads to Considerable Synergies

The waste management companies...

El Guettar, Tunisia: Project Partnership of the Waste Management Company Böblingen, Germany

The project "Municipal Knowledge nsfer Maghreb-Germany" betwee AWB Abfallwirtschaftsbetrieb des Landkreises leu-Uim

The disposal and recycling center EWW of the District Neu-Ulm - Perfect Combination of Material and Energy Recycling, Germany...



Kolics Company Ltd. (KoliKo Wear)

Kolics Converts Waste Textiles into Shoes and Bags, Ghana

Kolics Company Ltd. (KoliKo wear) is a social enterprise that seeks to support skilled and opportunity seeking youth to produce innovative products which are environmentally friendly.





Composting of Organic Waste at the Simmozheim Waste **Disposal Plant, Germany**

Silla 2 Waste-to-Energy Plant, Milano, Italy

The Silla 2 waste-to-energy plant is located in the north-west area of Milan near the Figino district. The plant is able to treat over 500,000 tons of

Anti-Littering-Campaign in Reutlingen, Germany

In Reutlingen, 300 citizens have been showing their full commitment to their city for 15 years: They own a sponsorship for a 'piece of

Business with Construction Waste in Gmund, Germany

BSA GmbH in D-83703 Gmund, a specialist waste management company according to the German §52 KrW-/AbfG, takes construction le and processes it into

Ensemble pour une Gestion Intégrée et Durable des Déchets en Tunisie (EGIDD) Sustainable Waste Management for Tunisia







© Fraunhofer UMSICHT



Gestion durable des déchets et économie circulaire en Tunisie II Work Packages (WP)

- Decentralized collection close to households
 - Cleanness near households
- Optimized waste transportation
 - Improvement of waste collection (>99 %)
- <u>Separation of organic waste</u> from municipal waste
 - Lowered and simplified landfilling
 - Fertilizer / soil for farmers
- Separate <u>collection of E-Waste</u> (from municipal waste)
 - Decontamination of municipal waste
 - Recovery of valuable materials











Workpackage 1: Île de propreté

The Problem

- Proken waste bins
- Irregular garbage collection
- Polluted areas

The Challenge

....











Workpackage 1 : Île de propreté

The Challenge

- Friendly people who keep their area clean
- Eagercollectors of recyclables (Barbechas)
- Newly elected administration







Île de propreté – the Idea

People's Behaviour

Waste-Collection

Street-Cleaning



Clean City







Île de propreté – the Place

Aim

- Place where a new awarenes of waste and valuables can be established
- Center for collecting will become a center for communication
- Low cost but fascinating area

Materials

- Used and old material for a new idea
- A storage for valuables,
- Old wood and metal





Île de propreté – the Design first ideas









1:100



A

Île de propreté – the Logo

The process to develop a Logo / a Sign is very complicated

- Who is involved?
- Should it be for one City or for Tunesia?



فضاء النظافت Île de propreté

Île de propreté – Barbéchas tasks

- Keeps the spot and surrounding clean
- Informs the inhabitants regarding waste sorting and collection
- Ensures that the goods are picked up regularly
- Collects information about the catchment area of the spot and the waste composition
- Keeps contact with the contact person of the municipality









Île de propreté – Realization

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lle de propreté – People in Siliana

Le premier projet pilc e tri séle

البيئة"

dans www.wernorat

وزرة لقوون أمحلة ولينة

ANGed

Dans le cadre de coopération Tuniso-Allemand

Fraunhofer



Île de propreté – People in Siliana



Île de propreté – Tabarka 1 in Preparation



plan du site 1:100



Île de propreté – Douar Hicher 1 in Preparation





All Design: Markus Heinsdorff for WtERT Germany GmbH



Île de propreté –Siliana 2 Phase 3





Site pla 1:100

Werner Bauer: bauer@wtert.net



Marché Municipal



Workpackage 5: Communication



Municipality of Siliana

On its Way to a Cleaner City, Siliana Begins Operation of Tunesia's First "île de propreté"

Raising awareness for waste separation and environment among the population is the goal of our...

Click for more information:

https://www.wtert.net/Tunisia.html

... and see details from Case Study

... and get contact to experts from the authorities



Tunisia

Current State of Waste Management >>>



WtERT Germany In Memory of Chedlia Adouani

Courageous, persevering and full of joie de vivre



Albiaaews Mr. WERNER P. BAUER, Vice President GWC: The EGIDD Project is a Behaviour Change for Integrated Waste Management

Statement by Mr. WERNER P. BAUER, Vice President GWC, and Executive...



lunicipality of Siliana

On its Way to a Cleaner City, Siliana Begins Operation of Tunesia's First "île de propreté

aising awareness for waste paration and environment among the population is the goal of our sthetic and sheltered

Experts to topic



Professor Mohammed Khalid Riffi Temsamani Abdelmalek Essaådi University regiterranean Girmate House Foundation Chadleya Adouani / Deceased

Douar Hicher



ansfer Center of Kram, Tunisi

sfer stations are of particular portance for the development ards sustainable waste anagement, as they are a condition for closing and bilitating local dumps, which are



ence Nationale de Gestion de

Small Transfer Center of Bardo

ransfer stations are of particular nportance for the development anagement, as they are a econdition for closing and

Monitoring of composting process parameters from kitchen waste and green waste generated in tourism destinations: A case study of Tunisia

Wassim Chaabane, Manel Selmi, Safwat Hemidat, Nour Chaher, Abdallah Nassour, Michael Nelles

Despite the organic fraction representing 68% of the total waste gene- rated (2.8 million tons produced in 2017), only 1-2% of municipal waste is currently biologically treated in Tunisia.

Optimization of food and green waste mixture ratios during the co-composting operation

Nour El Houda Chaher*, Abdallah Nassour Michael Nelles, Moktar Hamdi

The organic fraction of municipal solid waste (OFMSW) reached currently 68% of the total waste generated in Tunisia. Thus, a biological treatment is needed. Composting is considered as an effective and sustainable technology from the perspectives of volume reduction, stabilization and releasing the pressure on landfills as well as making a valuable endproduct.



WtERT Germany WtERT-Germany's Activities in 2018

This annual report summarizes WHEDT.Cormonu's activities like the



WtERT Germany

Tunisian delegation visited Bavarian WtE-Plants

A tunisian delegation came to Munich



Fraunhofer Umsicht

A model region for waste management in Tunisia

In this project, which is being worked on by Eraunhofer Limeicht Sulzhach



C TK Verlag - Fachverlag für Kreislaufwirtschaft, Waste Management, Volume 6 (September 2016)

Development of Waste Management in the Arab Region

Saida Zemzemi

Journalist and Communication Expert at Albiaanews

| View all Experts |
|------------------|
| view all experts |