



TECHNISCHE
UNIVERSITÄT
WIEN
Vienna University of Technology



Der Wissenschaftsfonds.



行政院國家科學委員會
National Science Council

Joint Research Project SCUDE

Taiwanese – Austrian Collaboration 2011 – 2014

Roundtable, 21.09.2012

Rector's Office, Vienna University of Technology

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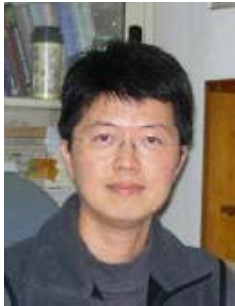


**Graduate Institute of
Environmental
Engineering**

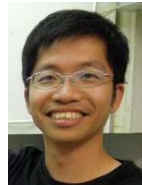


**Institute for Water
Quality, Resources and
Waste Management**

People & project details



Prof. Hwong-Weng MA
Prof. Yue-Hwa YU



Prof. Paul H. Brunner
Ulrich Kral



Project duration: 3 years

Funding: NSC, FWF (~300.000 €)

Disciplines: Environ. Science
Waste Management
Civil Engineering
Industrial Ecology

Research Quality: Intern. Reviewers

Merge of Research Strengths

SINKS AS CONSTRAINT FOR URBAN DEVELOPMENT

We need sinks ...



... like anthropogenic sinks ...

Incinerators



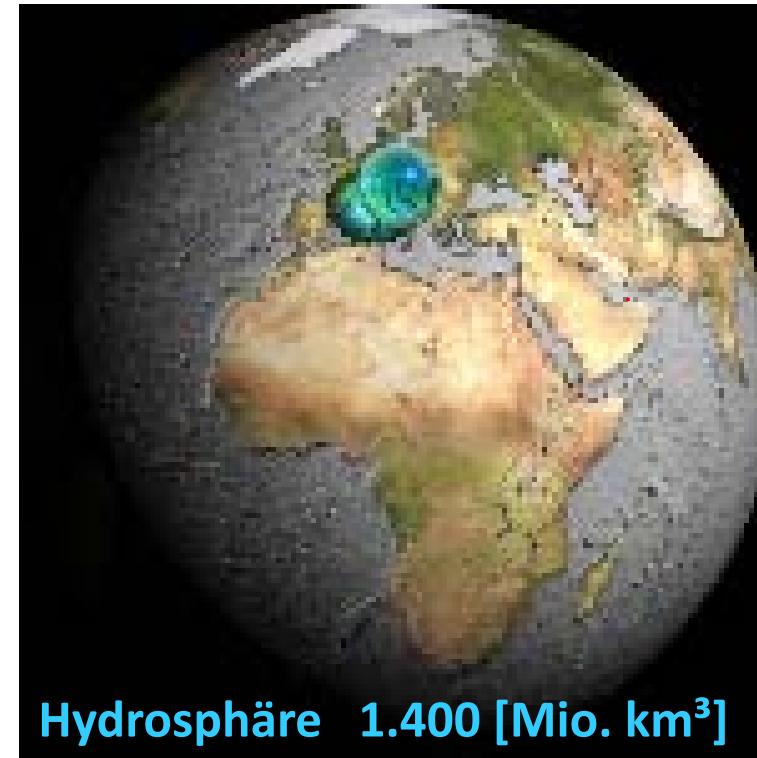
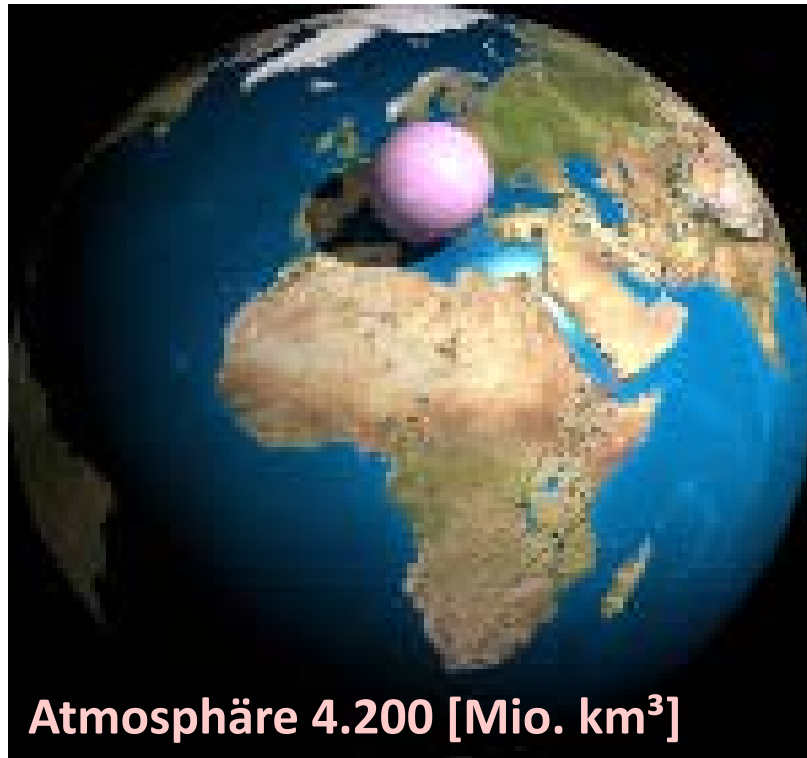
for organic substances

Underground Landfills



for inorganic substances

... but Environmental Sinks are limited



Consequence: Resource Use is limited



1. Definition of sinks and final sinks on urban scale
2. Substances Flow Analysis
3. Risk Assessment & Anthropogenic/Geogenic Assessment
4. Recommendation to city authorities

Activities beyond SCUDE

- **Cultural and Personal Exchange**
- **Collaboration in Academic Teaching**
- **Sink Conference in 2015**



Thank you!

Welcome to Vienna University of Technology

