



Yellow pages of sanitation

A data base of services and material providers to support large scale implementation of sustainable sanitation systems in Africa

-Presentation at the NETSSAF Final Conference,
Ouagadougou September 24th-27th 2008-

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- **2. Presentation of the NETSSAF Work Package 5**
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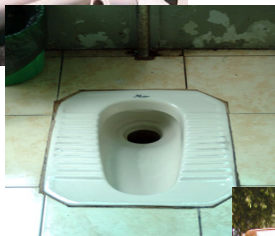


1. A supply chain for sanitation services in Africa

A need

It is well known that stimulating the demand for sustainable sanitation will put a high pressure on the supply side of components, such as toilets, pipes, latrines, as well as qualified server providers.

there is a need to organise a suitable supply chain, identifying companies and suppliers that could cover the demand.





1. A supply chain for sanitation services in Africa

Definition

A supply chain or logistics network is a system of organisations, people, technology, activities, information and resources involved in moving a product or service from supplier to customer.

The importance of the supply chain is to ensure that the final end users are provided with options of getting easy access to the materials and products needed for the proper practice of sustainable sanitation



1. A supply chain for sanitation services in Africa

To be able to contact the sourcing agency for the implementation of sanitation programs and projects is compulsory for the success; otherwise any planning effort will be useless.



2. Presentation of the NETSSAF WP5

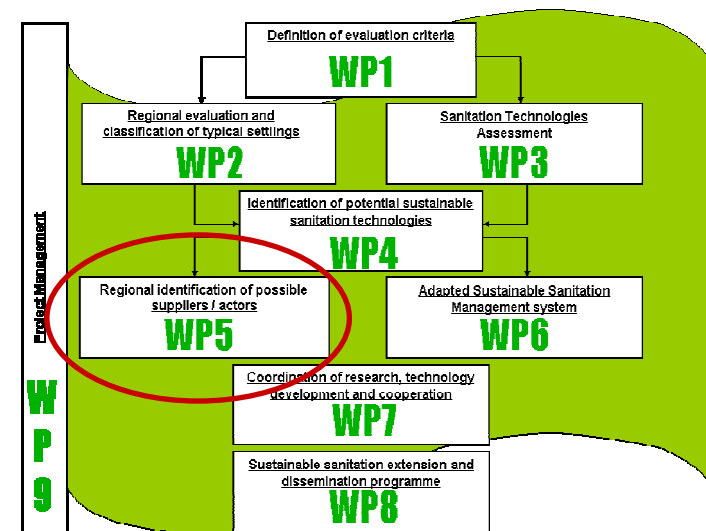
Objectives



WP5: *Regional identification of possible suppliers / actors*

The main objective of this work package, which started after the identification of technical and non-technical requirements, was to identify and map suppliers of sanitation services, components and equipments, as well as organisations related to the implementation of sanitation projects and programmes, such as donors, capacity building institutions, NGOs, CBOs, Universities, etc.

The main idea behind was the development of a data base of key capacities for Africa, offering an African marketing information system, which is now available for the sanitation planners, authorities and individuals involved in sanitation planning and implementation.





2. Presentation of the NETSSAF WP5

The expected products



Les Pages Jaunes **de** l'assainissement
Votre expert en assainissement et les solutions de traitement des eaux usées

This tool has been defined as the “The yellow pages of sanitation and wastewater treatment solutions” and it is available in internet at :

<http://www.yellowpagesofsanitation.com/>

aww

Institute of Wastewater Management
and Water Protection

TUHH

Technische Universität Hamburg-Harburg



3. Implemented methodology

1. Identification of key factors

The technical factors were related to the various sanitation systems, particularly the technical components needed for the constructions of sanitation facilities, for instance: toilets, pipes, reactors, tanks, etc. The non-technical factors were identified to include the financial, social, legal, economic and technical (e.g. technical counselling, research & training) aspects of the carrying out of such programmes.

2. Mapping the companies and organisations

To effectively achieve this mapping out, questionnaires were made and distributed among the partners of the NETSSAF project who in turn distributed these questionnaires to companies and organisations previously identified located not only in West Africa, but around the world.




3. Launch of the online sanitation database

With the aim of having a wider outreach, it was agreed that the database would be launched on the internet and would be easily accessed by all stakeholders involved in sanitation. The tool is available at <http://www.yellowpagesofsanitation.com/>





4. The yellow pages of sanitation and wastewater treatment solutions

Main features



YellowpagesofSanitation // **Les Pages Jaunes de l'assainissement**
Your expert in sanitation and wastewater treatment solutions // Votre expert en assainissement et les solutions de traitement des eaux usées



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You are here: Welcome

Welcome to our online sanitation and wastewater treatment solutions yellow pages

The ideal place to locate the providers of sanitation services you need!

Are you looking for providers of complete sanitation systems or individual components for the collection, transportation, treatment and reuse of waste? Or just for the designing, planning and general consulting on both the technical and non technical aspects of sanitation? Well, look no further as through these yellow pages, we aim to connect you with businesses and organisations providing these services in Africa. This is ideal for engineers, planners of sanitation and waste water treatment systems, and individuals interested or needing sanitation materials and support for the implementation of projects.


This site offers you two options; to register as a company / organisation or to search for companies and organisations involved in sanitation related activities in your choice of location in Africa and beyond. This market information system contains the service data and contract information of local producers and traders of sanitation materials, as well as local constructors companies and operation and maintenance suppliers, providing the necessary information to make feasible the implementation of large-scale sanitation programmes in Africa by using local infrastructure.

Find all companies and organisations

Just choose one of the countries to get a list of all registered companies and organisation that offer their products and services there.

Algeria (1)	Gambia (0)	Nigeria (1)
Angola (1)	Ghana (4)	Rwanda (1)
Benin (2)	Guinea (1)	Senegal (2)
Botswana (1)	Guinea-Bissau (0)	Seychelles (0)
Burkina Faso (3)	Ivory Coast (2)	Sierra Leone (2)
Burundi (1)	Kenya (1)	Somalia (0)
Cameroon (1)	Lesotho (0)	South Africa (1)
Cape Verde (0)	Liberia (1)	Sudan (0)
Central African Republic (0)	Libya (0)	Swaziland (0)
Chad (1)	Madagascar (1)	São Tomé and Príncipe (0)
Comoros (0)	Malawi (1)	Tanzania (2)
Congo (1)	Mali (3)	Togo (2)
Djibouti (0)	Mauritania (1)	Tunisia (2)
Egypt (2)	Mauritius (0)	Uganda (1)
Equatorial Guinea (0)	Morocco (2)	Zambia (1)
Eritrea (0)	Mozambique (1)	Zimbabwe (1)
Ethiopia (1)	Namibia (1)	
Gabon (0)	Niger (2)	

Learn more about sanitation systems



Insert your company / organisation profile now

[Click here to register for free](#)



4. The yellow pages of sanitation and wastewater treatment solutions

Options offered

A. To register as a company/organisation/expert:

YellowpagesofSanitation // Les Pages Jaunes de l'assainissement
 Your expert in sanitation and wastewater treatment solutions // Votre expert en assainissement et les solutions de traitement des eaux usées

NETS

Welcome Registration Search Glossary Members Login

You are here: Registration

Registration

Please fill in the information of your membership:

Company: *
 Address: *
 Postal code: *
 City: *
 Country: *
 Contact person: *
 Telephone: *
 Fax: *
 E-mail: *
 Web site: *

Profile:
 Username: *
 Password: *
 Repeat: *

Services of the company / organisation

Economical aspects of sanitation projects

- Financial counseling
- Grants, supports, financial assistance
- Investors, Public & Private Partnership
- Micro-financing

Policy issues and enabling environment

- Institutional development advice
- Policy development advice

Social issues of sanitation programs

- Health and hygiene awareness raising
- Mass communication
- Organisation and empowerment community
- Role of local and regional authorities
- Social / rural development
- Social animation

Technical assistance

- Research and development
- Technical counseling

Individual components of sanitation systems

User interface / Toilets

- Composting toilet
- Diversion toilet
- Dry toilet
- High-volume toilet
- Low-volume toilet
- Pour-flush toilet
- Urinal
- Ventilated improved single pit latrine (VIP)

On-Site collection

- Alternating double dehydration chambers/ dehydrating toilet/latrine
- Alternating twin-pit Latrine/ fossa alte
- Anaerobic baffled reactor
- Anaerobic digester
- Cesspit or cesspool
- Composting chamber
- Constructed wetlands to treat grey water
- Greywater garden (mulch trench)/ green walls/ tower garden
- Long-term storage of urine in different types of containers
- Pre-treatment- grease trap and grit trap of greywater

Countries where offering services

- Algeria
- Angola
- Benin
- Botswana
- Burkina Faso
- Burundi
- Cameroon
- Cape Verde
- Central African Republic
- Chad
- Comoros
- Congo
- Djibouti
- Egypt
- Equatorial Guinea
- Eritrea
- Ethiopia
- Gabon
- Gambia
- Ghana
- Guinea
- Guinea-Bissau



4. The yellow pages of sanitation and wastewater treatment solutions

Type of services that the organisations can choose when registering:

1. Services

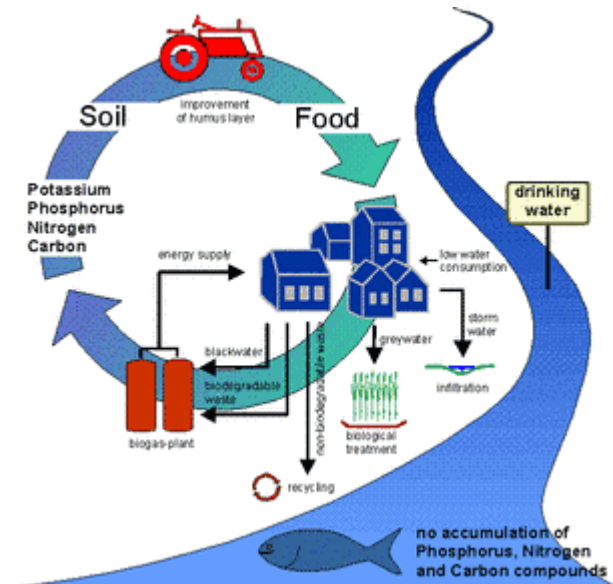
- Financial aspects
- Policy issues and enabling the environment
- Social issues of sanitation programs
- Awareness raising
- Technical assistance

2. Complete sanitation systems

- Design
- Planning
- Implementation of projects
- Monitoring and evaluation
- Operation and maintenance
- Quality control & stabilisation and upgrade of existing systems

3. Individual components of sanitation systems

- User interface/toilets
- On-site collection and treatment
- Transport
- Off-site treatment
- Reuse





4. The yellow pages of sanitation and wastewater treatment solutions

Options offered



B. To search for companies, organisations and experts involved in sanitation related activities in all countries located in Africa



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Your expert in sanitation and wastewater treatment solutions

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Welcome

Registration

Search

Glossary

Members Login



You are here: Search

Please choose a country



Start searching

Keywords / Mots clés

Insert your company / organisation profile now

[Click here to register for free](#)

[Click here for the advanced search.](#) The advanced search allows more detailed searches.

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4. The yellow pages of sanitation and wastewater treatment solutions

Options offered

Let's do an example together!



4. The yellow pages of sanitation and wastewater treatment solutions

The quick search



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Welcome

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You are here: Welcome

Keywords / Mots clés

Please choose a country

Start searching

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Learn more about sanitation systems



Insert your company / organisation profile now

Click here to register for free

Financing

Burkina Faso



4. The yellow pages of sanitation and wastewater treatment solutions

The quick search

Results!!!



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Welcome

Registration

Search

Glossary

Members Login



You are here: Search

Financing

Burkina Faso

Start searching

Keywords / Mots clés

Insert your company / organisation profile now

[Click here to register for free](#)

Results

Deutsche GTZ GmbH

Address: 5180 Dag-Hammarskjöld-Weg 1-5

Postal code: 65726

City: Eschborn

Phone: +49 61 96 79-4221

Fax: +49 61 96 79-804221

Email: elisabeth.muench@gtz.de

Web: <http://www.gtz.de>

[more](#)

[Click here for the advanced search. The advanced search allows more detailed searches.](#)

Do you need more information about GTZ?

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Did not you find what you needed? Then go to:

Advanced Search!



4. The yellow pages of sanitation and wastewater treatment solutions

The advanced search



Select the country

Yellowpages of Sanitation
Your expert in sanitation and wastewater treatment solutions

Click on what you are looking for

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Welcome Registration Search Glossary Members Login

You are here: Search

Advanced search

You can use the advanced search to get detailed search results. Therefore please choose a country and the categories you are interested in.

Senegal

Services of the company / organisation

Economical aspects of sanitation projects

- Financial counseling
- Grants, supports, financial assistance
- Investors, Public & Private Partnership
- Micro-financing

Policy issues and enabling environment

- Institutional development advice
- Investors, Public & Private Partnership
- Micro-financing
- Policy development advice

Social issues of sanitation programs

- Health and hygiene awareness raising
- Mass communication
- Organisation and empowerment community

Complete sanitation systems

Complete sanitation systems

- Design, planning & consulting
- Implementation of projects
- Monitoring and evaluation
- Operation and maintenance
- Quality control & stabilisation
- Upgrade of existing systems

Individual components of sanitation systems

User interface / Toilets

- Composting toilet
- Diversion toilet
- Dry toilet
- High-volume toilet
- Low-volume toilet
- Pour-flush toilet
- Urinal
- Ventilated improved single pit latrine (VIP)

On-Site collection

- Alternating double dehydration chambers/ dehydrating toilet/latrine
- Alternating twin-pit Latrine/ fossa alte
- Anaerobic baffled reactor



4. The yellow pages of sanitation and wastewater treatment solutions

Direct access to the services offered in your country

Find all companies and organisations

Just choose one of the countries to get a list of all registered companies and organisation that offer their products and services there.

Algeria (1)
Angola (1)
Benin (2)
Botswana (1)
Burkina Faso (3)
Burundi (1)
Cameroon (1)
Cape Verde (0)
Central African Republic (0)
Chad (1)
Comoros (0)
Congo (1)
Djibouti (0)
Egypt (2)
Equatorial Guinea (0)
Eritrea (0)
Ethiopia (1)
Gabon (0)

Gambia (0)
Ghana (4)
Guinea (1)
Guinea-Bissau (0)
Ivory Coast (2)
Kenya (1)
Lesotho (0)
Liberia (1)
Libya (0)
Madagascar (1)
Malawi (1)
Mali (3)
Mauritania (1)
Mauritius (0)
Morocco (2)
Mozambique (1)
Namibia (1)
Niger (2)

Nigeria (1)
Rwanda (1)
Senegal (2)
Seychelles (0)
Sierra Leone (2)
Somalia (0)
South Africa (1)
Sudan (0)
Swaziland (0)
São Tomé and Príncipe (0)
Tanzania (2)
Togo (2)
Tunisia (2)
Uganda (1)
Zambia (1)
Zimbabwe (1)



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4. The yellow pages of sanitation and wastewater treatment solutions

Do you represent an university, research centre, NGO, CBO, FBO, international organisation, company, service provider?

Are you an individual expert?

Then, you should also register!



4. The yellow pages of sanitation and wastewater treatment solutions

Registering as a company, organisation or expert



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Your expert in sanitation and wastewater treatment solutions

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Welcome

Registration

Search

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You are here: Registration

Registration

Please fill in the information of your membership:

Company: *	<input type="text"/>
Address: *	<input type="text"/>
Postal code:	<input type="text"/>
City: *	<input type="text"/>
Country: *	<input type="text" value="Afghanistan"/>
Contact person: *	<input type="text"/>
Telephone: *	<input type="text"/>
Fax:	<input type="text"/>
E-mail: *	<input type="text"/>
Web site:	<input type="text"/>

Profile:	<input type="text"/>
Username: *	<input type="text"/>
Password: *	<input type="text"/>
Repeat:	<input type="text"/>



4. The yellow pages of sanitation and wastewater treatment solutions

Registering as a company, organisation or expert

Services of the company / organisation	Individual components of sanitation systems	Countries where offering services
Economical aspects of sanitation projects <ul style="list-style-type: none"><input type="checkbox"/> Financial counseling<input type="checkbox"/> Grants, supports, financial assistance<input type="checkbox"/> Investors, Public & Private Partnership<input type="checkbox"/> Micro-financing	User interface / Toilets <ul style="list-style-type: none"><input type="checkbox"/> Composting toilet<input type="checkbox"/> Diversion toilet<input type="checkbox"/> Dry toilet<input type="checkbox"/> High-volume toilet<input type="checkbox"/> Low-volume toilet<input type="checkbox"/> Pour-flush toilet<input type="checkbox"/> Urinal<input type="checkbox"/> Ventilated improved single pit latrine (VIP)	<input type="checkbox"/> Algeria
Policy issues and enabling environment <ul style="list-style-type: none"><input type="checkbox"/> Institutional development advice<input type="checkbox"/> Policy development advice	On-Site collection <ul style="list-style-type: none"><input type="checkbox"/> Alternating double dehydration chambers/ dehydrating toilet/latrine<input type="checkbox"/> Alternating twin-pit Latrine/ fossa alte<input type="checkbox"/> Anaerobic baffled reactor<input type="checkbox"/> Anaerobic digester<input type="checkbox"/> Cesspit or cesspool<input type="checkbox"/> Composting chamber<input type="checkbox"/> Constructed wetlands to treat grey water<input type="checkbox"/> Greywater garden (mulch trench)/ green walls/ tower garden<input type="checkbox"/> Long-term storage of urine in different types of containers<input type="checkbox"/> Pre-treatment- grease trap and grit trap of greywater<input type="checkbox"/> Septic tank<input type="checkbox"/> Slow sand filtration of grey water	<input type="checkbox"/> Angola
Social issues of sanitation programs <ul style="list-style-type: none"><input type="checkbox"/> Health and hygiene awareness raising<input type="checkbox"/> Mass communication<input type="checkbox"/> Organisation and empowerness community<input type="checkbox"/> Role of local and regional authorities<input type="checkbox"/> Social / rural development<input type="checkbox"/> Social animation	Transport <ul style="list-style-type: none"><input type="checkbox"/> Conventional gravity sewers<input type="checkbox"/> Faecal sludge emptying and transport by vacuum tanker	<input type="checkbox"/> Benin
Technical assistance <ul style="list-style-type: none"><input type="checkbox"/> Research and development<input type="checkbox"/> Technical counseling<input type="checkbox"/> Training and education		<input type="checkbox"/> Botswana
Complete sanitation systems <ul style="list-style-type: none"><input type="checkbox"/> Complete sanitation systems<input type="checkbox"/> Design, planning & consulting		<input type="checkbox"/> Burkina Faso
		<input type="checkbox"/> Burundi
		<input type="checkbox"/> Cameroon
		<input type="checkbox"/> Cape Verde
		<input type="checkbox"/> Central African Republic
		<input type="checkbox"/> Chad
		<input type="checkbox"/> Comoros
		<input type="checkbox"/> Congo
		<input type="checkbox"/> Djibouti
		<input type="checkbox"/> Egypt
		<input type="checkbox"/> Equatorial Guinea
		<input type="checkbox"/> Eritrea
		<input type="checkbox"/> Ethiopia
		<input type="checkbox"/> Gabon
		<input type="checkbox"/> Gambia
		<input type="checkbox"/> Ghana
		<input type="checkbox"/> Guinea
		<input type="checkbox"/> Guinea-Bissau
		<input type="checkbox"/> Ivory Coast
		<input type="checkbox"/> Kenya
		<input type="checkbox"/> Lesotho
		<input type="checkbox"/> Liberia
		<input type="checkbox"/> Libya
		<input type="checkbox"/> Madaqascar



4. The yellow pages of sanitation and wastewater treatment solutions

Editing your profile



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Login

Welcome to the Members Login at YellowpagesofSanitation.com

To get access to your data please login with your username and password that you used when registering.

Username:

Password:

Login

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Editing your profile



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Welcome

Search

Edit your entry

Glossary

Members Logout



You are here: Edit your entry

**Dear Leonellha Barreto ,
Edit the information of your membership ttzbremerhaven**

*Please make sure that you fill in your details for the fields marked **

Company: *	<input type="text" value="ttz Bremerhaven"/>
Address: *	<input type="text" value="An der Karlstadt 6"/>
Postal code:	<input type="text" value="27568"/>
City: *	<input type="text" value="Bremerhaven"/>
Country: *	<input type="text" value="Germany"/>
Contact person: *	<input type="text" value="Leonellha Barreto"/>
Telephone: *	<input type="text" value="+49 471 9448 717"/>
Fax:	<input type="text" value="+49 471 9448 722"/>
E-mail: *	<input type="text" value="lbarretodillon@yahoo.com"/>
Web site:	<input type="text" value="http://www.ttz-bremerhaven.de"/>
Profile:	<input type="text" value="As a market oriented and independent provider of research services, we – the team at Bremerhaven Technology-Transfer-Centre (ttz) – give innovative ideas a home. We offer our clients from the business community,"/> <input type="button" value="edit"/>

Economical aspects of sanitation projects Financial counseling



4. The yellow pages of sanitation and wastewater treatment solutions

Editing your profile

Economical aspects of sanitation projects

- Financial counseling
- Grants, supports, financial assistance
- Investors, Public & Private Partnership
- Micro-financing

Policy issues and enabling environment

- Institutional development advice
- Policy development advice

Social issues of sanitation programs

- Health and hygiene awareness raising
- Mass communication
- Organisation and empowerment community
- Role of local and regional authorities
- Social / rural development
- Social animation

Technical assistance

- Research and development
- Technical counseling
- Training and education

Complete sanitation systems

- Design, planning & consulting
- Implementation of projects
- Monitoring and evaluation
- Operation and maintenance
- Quality control & stabilisation
- Upgrade of existing systems

User interface / Toilets

- Composting toilet
- Diversion toilet
- Dry toilet
- High-volume toilet
- Low-volume toilet
- Pour-flush toilet

- Libya
- Madagascar
- Malawi
- Mali
- Mauritania
- Mauritius
- Morocco
- Mozambique
- Namibia
- Niger
- Nigeria
- Rwanda
- Senegal
- Seychelles
- Sierra Leone
- Somalia
- South Africa
- Sudan
- Swaziland
- São Tomé and Príncipe
- Tanzania
- Togo
- Tunisia
- Uganda
- Zambia
- Zimbabwe

Update profile now!



5. Potential impact and conclusions

This innovative tool is ideal for:

- **Engineers**
- **Planners of sanitation and waste water treatment systems...**
- **Support for the implementation of projects and programs in the region...**

It is expected that this database will **encourage and promote small and medium enterprises** in the business of sanitation in Africa, **improving their market performance** thus generating extra profits and empowering the local economies.

Furthermore, the yellow pages of sanitation will allow the **networking of key actors** in the field, such as universities, research centres, associations, NGOs, ect., **linking the current initiatives for further large scale implementation.**



Acknowledgements

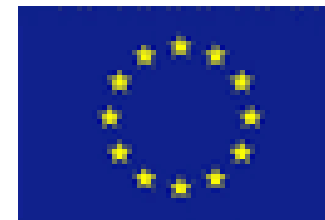
NETSSAF: Network for the development of Sustainable approaches for large Scale implementation of Sanitation in Africa



A Coordination Action supported by the European Commission under the Sixth Framework Programme within the " GLOBAL CHANGE AND ECOSYSTEMS " Programme.

Total budget: 1 541 798 euros

For more information: www.netssaf.net





Thank you! Merci!

Dipl.- Ing. Leonelha Barreto Dillon, MSc.

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Water, Energy and Landscape management

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Germany

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