



-Project presentation-

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

NETSSAF

Coordination Action
Proposal/Contract Number: 037099

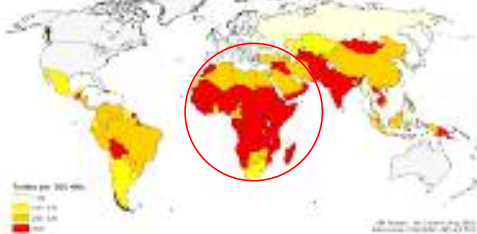



A Coordination Action supported by the European Commission under the Sixth Framework Programme within the "GLOBAL CHANGE AND ECOSYSTEMS" Programme Starting Date: 1st June 2006

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NETSSAF
-Introduction-


To achieve the year 2015 goal for urban and rural sanitation coverage in Sub-Saharan Africa- halving the percentage of those without access - an additional **304 million people over the next 15 years** will have to be provided with service.



Number of toilets per thousand households to be installed through to 2015 to meet the MDGs (Rockstrom, 2005)


NETSSAF
-Introduction-

The sanitation MDG in Africa will **only** be achieved by the strategic and guided execution of national and international plans for **large scale implementation of sanitation systems in peri-urban and rural areas**, counting on the technical and financial support of industrialised nations and the involvement of local communities for the decision making, planning and future management.



NETSSAF
-Introduction-

There is still a need for positive synergies, aiming at the cross-fertilisation of ideas, which could **fortify** the different actions and the scope of those local activities through the **integration** of different key actors and stakeholders in a multidisciplinary and international approach.



NETSSAF
-General objective-

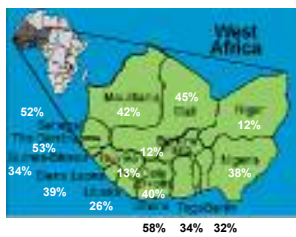
In accordance with the objectives of the Cooperation Strategy of the European Community and aiming for the **preparation of the technical and organisational foundations for massive implementation of sanitation facilities in Africa**, the general objective of proposed Coordination Action will be:

To coordinate and integrate the current scientific research, technological innovation and execution activities, creating synergies to support large scale implementation of sustainable sanitation systems in peri-urban and rural areas, in order to propose feasible solutions for the achievement of the Sanitation Millennium Development Goals in Africa.




NETSSAF
-Justification-

With the goal of having a plausible impact on the development of sustainable solutions for the sanitation crisis on the continent, NETSSAF will focus on proposing sanitation options based on the needs of the **West African countries**, where the sanitation coverage reaches 58% in the best of the cases (Ghana) and 12% in Niger and Burkina Faso.




Sanitation Coverage in the West African region (WHO-UNICEF, 2002)



NETSSAF
-General formulation-

Within the time frame of NETSSAF-CA, the consortium will:

- Carry out a set of case studies for peri-urban and rural areas in West African countries.
- Propose feasible and sustainable approaches of sanitation for each case.
- Propose a set of support tools that will be also applicable in Central, Eastern and Southern Africa with similar climatic, social and economical conditions.
- Serve as a reference for policy makers, sanitation authorities and end-users to identify local characteristics and behaviours in order to adapt the existing wastewater treatment concepts, and to promote user ownership of services in consultation with the people most directly affected by them.



NETSSAF
-General formulation-

A sustainable sanitation research co-ordination platform and an expertise network will be established, in order **to define, organise and manage common initiatives**. These will **co-ordinate, assess and guide suitable research and strategic activities** with the aim of providing the foundation for wide-spread implementation of sustainable sanitation installations in West Africa.

NETSSAF will be **the forum for discussion and the joint work of Expert Groups**, who will assemble during workshops and seminars to carry out different tasks, and case studies and analysis in the following areas:

- Appropriate low-cost sanitation technologies
- Potential reuse in agriculture
- Community based management in Africa
- Governance and Institution in Sanitation



NETSSAF
-Specific strategic objectives-

The **specific strategic objectives** of the NETSSAF Co-ordination Action are:

- To prepare the technical, social and policy bases for the future large-scale implementation of low cost technologies for sustainable sanitation in West Africa.
- To encourage the establishment of permanent communication links between research centres, rural developing associations, regional networks, authorities and other stakeholders in Africa, focussing in the western region, promoting the know-how exchange and expertise in relation to innovative sanitation approaches for large-scale implementation.



NETSSAF
-Specific strategic objectives-

- To co-ordinate current research and development activities in Africa, focussing in the western region, in order to promote cooperation and avoid overlapping and duplication of efforts, taking into account traditional knowledge and innovation technologies.


4. To define, initiate and guide future R&D activities on West African level by mapping current research and forming research clusters in order to fulfil the scientific and technological needs for the further large-scale implementation of innovative and feasible sanitation concepts.



NETSSAF
-Specific strategic objectives-

- To identify a variety of innovative, adaptable and replicable approaches to sustainable sanitation in Africa, aiming at integrating appropriate low cost technologies in the context of community based management.

6. To disseminate the results, through a Sustainable Sanitation Extension Programme, designed specially to reach the local communities and to build capacity of authorities for future implementation and dissemination, developing institutional mechanisms for deployment of extension strategy.




NETSSAF
-Scientific and technological objectives-

The **scientific and technological objectives** of the NETSSAF Co-ordination Action are:


- To evaluate and classify in a multidisciplinary approach a group of existent rural and peri-urban settlements with no access to improved sanitation in West Africa, selecting a set of typical cases.

2. To review and discuss different sanitation technologies (conventional and innovative), by using experiences of implementation in West Africa and other developing regions.




NETSSAF
-Scientific and technological objectives-

- To identify suitable sanitation technologies for each typical case, according to the characteristics and needs identified regarding technical, social, economical, environmental, institutional and legal aspects.
- 4. To identify the technical requirements of each technology selected for large-scale implementation, regarding sourcing, logistics, installation, operation and maintenance.
- 5. To identify the non-technical requirements of each technology selected for large-scale implementation, regarding human, financial, economical, environmental, legal and institutional aspects.




NETSSAF
-Scientific and technological objectives-

- To identify, map and contact the existent regional suppliers of the technological requirements of each sanitation technology selected, in order to prepare a West African database of Sanitation Supply.
- 7. To identify and map the current sanitation implementation activities and their actors in West African, in order to prepare a West African database of potential technology transfer associations and groups, which will participate in a future massive implementation.



NETSSAF
-Scientific and technological objectives-

- To propose and design an Adapted Sustainable Sanitation Management System, to support decision makers and beneficiaries in identifying feasible sanitation alternatives for large-scale implementation by using low-cost technologies adapted to the different physical and socio-economic conditions prevailing in West Africa.
- 9. To develop adequate strategies for large-scale implementation of low-cost sanitation technologies in peri-urban and rural areas, focusing on their relevant governance, institutional frameworks and socio-economical aspects in the African context.




NETSSAF
-Description of the planned activities-

The NETSSAF Coordination action will contain two types of activities:

- Consortium Management Activities
- Coordination Activities, including training

The co-ordination activities that will be performed are designed to **integrate and network the research and development activities** that are being performed at a West African level related to sanitation and urban and rural wastewater management.



NETSSAF
-Description of the planned activities-

The NETSSAF coordination activities will be performed by two different bodies:

- **Work Packages**
 - Nine Work Packages
 - Each Associated with a key objective to be reached
 - Each WP lead by a Work Package Leader, who will organise activities and be responsible for accomplishing WP objectives
- **Expert Groups**
 - Scientific and technical counselling and monitoring
 - Discuss hot topics
 - Deliver publishable reports

