PROJECT DURATION
04/2009 - 04/2011

TOTAL BUDGET
1.6 million euros

Multinational Consortium

In order to run a highly efficient and successful project, careful consideration has been given to the composition of the consortium. The SANBOX consortium is excellently balanced, allowing maximum integration of knowledge, expertise and experience between the partners. The SANBOX consortium consists of 11 partners, including 5 SME participants, 4 RTD performers and 2 end-users. The partners come from 5 EU countries (Germany, Slovenia, Spain, Latvia, Estonia) and 2 non-EU countries (Norway, Swizerland)

Small and Medium Enterprises (SME's)

Jets AS, JETS,Norway
Sia Norplast, NORPS, Latvia
Seecon GmbH, SEECON, Switzerland
Gebr. Gysi AG, GYSI, Switzerland
Bioazul S.L., BIOAZUL, Spain

Research Organisations (RTD's)

Universitetet for miljø- og biovitenskap, UMB Norway
Technologie Transfer Zentrum Bremerhaven e.V.,TTZ, Germany
University of Ljublana, UL, Slovenia
Tartu Ülikool, UT, Estonia

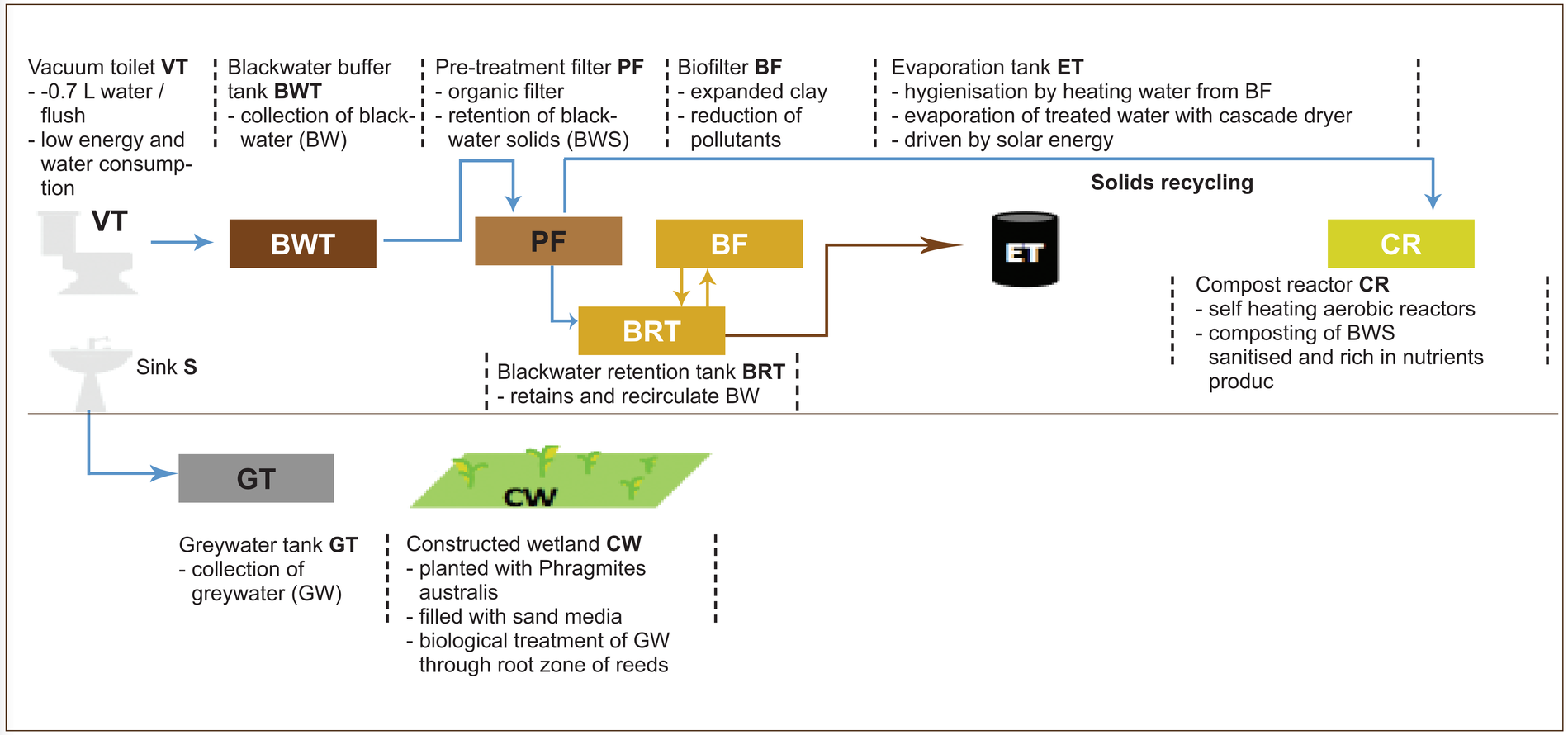
End Users

Schweizerischer Alpenclub, SAC, Switzerland
SOLINE Pridelava soli d.o.o., SOLINE, Slovenia

Seventh Framework Programme
Building the Europe of Knowledge

At the heart of the Lisbon Strategy, research is a component of a knowledge triangle (the other two being education and innovation) meant to boost growth and employment in the European Union in the context of a global economy. The 7th Framework Programme for Research, covering the period 2007 to 2013, is an opportunity for the EU to match its research policy to its ambitions in terms of economic and social policy by consolidating the European Research Area (ERA). The Framework Programme is organised around four main programmes and has been greatly simplified so as to be more effective and more accessible to researchers.

Sanbox - Sanitary Wastewater Treatment-Zero Emission Unite



Sanbox is a environment-friendly, compact and integrated source separating sanitary wastewater treatment for touristic facillities based on mechanical and biological processes aimed to reach zero emissions in environment and recycling of nutrients. The benefit of source separation is that nutrients are not sent to sea or fresh water but are recycled and reused.

Benefits: (1) reduction of water pollution/eutrophication, (2) reduction of water consumption, (3) water reuse, (4) nutrients reuse on the fields. The specific steps are: **pretreatment filters PF, expanded clay based biofilter BF, solar evaporation module ET, self heating with organic material compost reactors CR, and hybrid constructed wetland CW**.

Black water is pretreated by filtration with organic filters, solids are recycled into sanitized and nutrientrich compost, and the liquid fraction is treated by recirculation through an expanded claybased biofilter and evaporated. Roots of plants in association with microbial biofilm stabilize and enhance the treatment process in the constructed wetland CW.

co financed by Soline d.o.o

www.sanbox.info