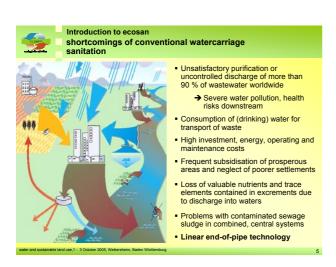
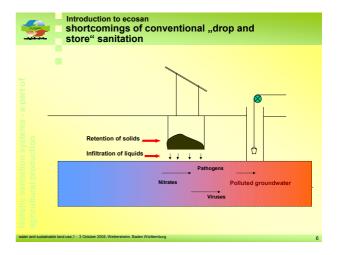


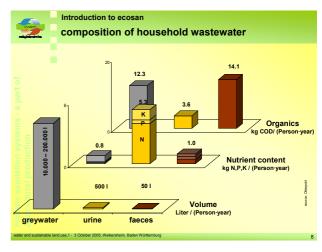
Introduction to ecosan world water and sanitation crises Increasing scarcity and degrading quality of freshwater 1,1 billion people no access to safe drinking water 2,6 billion people inadequate/no sanitation 90 % of wastewater either poorly treated or not treated at discharge (only 25% of WWTPs built in DCs functioning) Expected growth of global population by 2 billion within the next 25 years, mostly in urban areas in developing and emerging market economies. By 2010, estimated 42,7% of the African population will live in urban areas (400 Million people) 80 % of all diseases and 25 % of all deaths in developing countries can be attributed to polluted water (WHO) → Sub-Saharan Africa at least 1/3 of incomes spent to treat water-borne diseases, more than 200 Million bilharzia infections (Hansen, 2004) Europe - of 540 major cities around 1/3 have no treatment or treatment unknown (before expansion)

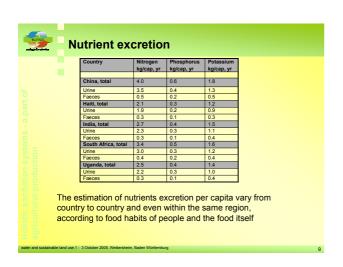


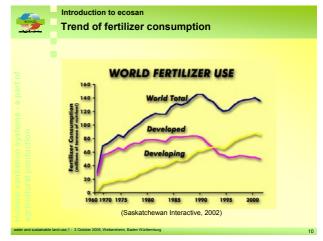


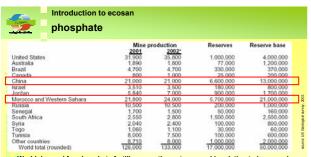




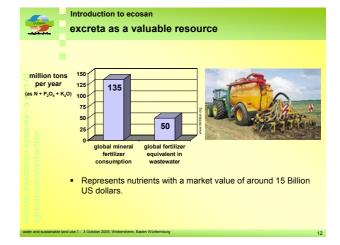


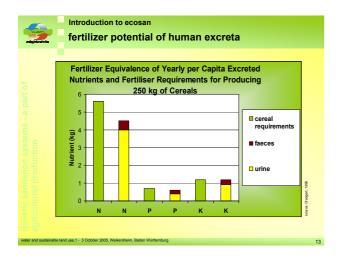






- World demand for phosphate fertilizers continues to expand in relation to increased world population and food requirements.
- For the period 2003-07, world phosphate consumption is forecasted to increase by 2.6% annually.
- Within about 60 years, all economically exploitable phosphate reserves are expected to be exhausted.
- Future conflicts on the access to phosphate are possible, due to concentration of <u>limited resources in a small number of countries.</u>









... opens up a wider range of sanitation options

than those currently considered.

