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«The Rainwater Harvesting CD »

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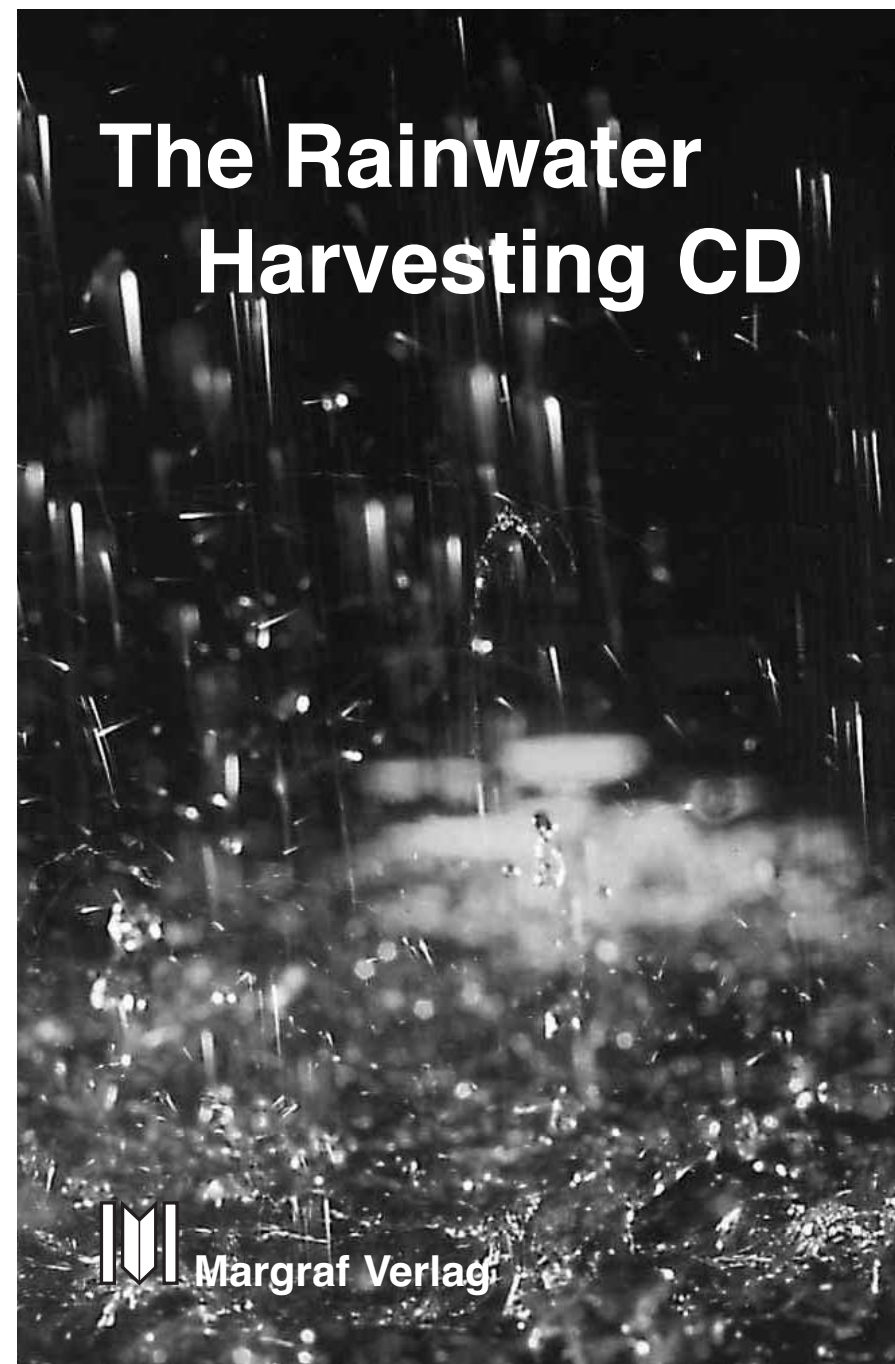
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Content

0. Introduction

1. CTA Study Visit

- Introductory text
- 4 photo series
- Audio material from Kenya

2. Description of projects from

- Australia
- Brazil
- China
- Germany
- Bangla Desh
- Japan
- India (play: water - oh - water)
- Kenya (short film additional)
- Sri Lanka
- Thailand

(for every project: summary page with names, addresses, facts; introductory text and photos/drawings)

3. Basics

- Introduction
- Overview: Styles, Components
- Quantity: Tank sizing programmes
- Catchment: Roof, Ground, Rocks
- Delivery: Gutters, First Flush, Filters
- Storage: appropriate design, (sub)-surface tanks, rock catchment, sand river storage, earth dams and hafirs
- Quality
- Social, economic & environmental issues
- Legal aspects & politics

4. Documentation

- Intern. Conferences 1999 and 2001
- Selected articles from "Waterlines"
- DTU materials (esp. construction plans)
- Construction and operation manuals, other important material
- Rainfall data from selected parts of the world

5. Information Sources

- Publications, videos, links, webpages

6. Register, Index

- Rainwater catchment systems have a long history, stretching back thousands of years in several parts of the world.
- Rainwater collection for domestic water supply has increased greatly in rural areas around the world in recent decades, especially in Africa and Asia.
- Interests in rainwater use has also been growing in urban areas, where its benefits include helping in flood control and reducing pressures on existing water resources.
- Several important lessons have been learned from experiences in recent decades; these include the:
 - Importance of fully engaging local communities in rainwater projects
 - Need to field-test new designs fully
 - Crucial role of good training, quality control and management
 - Need for proper operation and maintenance of systems

Roofwater or rainwater harvesting (RWH) is an option which has been adopted in many areas of the world whereWith the growth in corrugated iron roofing in many developing countries, people often place a small container under their eaves to collect falling water during a storm. One 20 litre container of clean water captured from the roof can save a walk of many kilometres to the nearest clean water source. In the industrialised countries of the world, sophisticated RWH systems have been developed with the aim of reducing water bills or to meet the needs of remote communities or individual households in arid regions.

In many cases RWH has been introduced as part of an integrated water supply system, where the town supply is unreliable or where local water sources dry up for a part of the year, but is also often used as the sole water source for a community or household. It is a technology which is flexible and adaptable to a very wide variety of conditions, being used in the richest and the poorest societies on our planet, and in the wettest and the driest regions of the world.

You are here: **Basics** - CTA Study Visit in Kenya - Cases&Projects - Documentation - Data - Addresses - Index

The Basics: An Overview

Patterns of Usage (page 3 of 3)

Runoff gardening techniques and water conservation applicable in rural areas

Source: Gould/Nissen-Petersen «Rainwater Catchment Systems for Domestic Supply», p 41

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