Household-Centred Environmental Sanitation

an integrated planning approach
HCES Status quo 2005

- Provisional guidelines published in summer 2005;

- Goal: provide guidance on how to operationalise the HCES approach and the Bellagio Principles

- Guideline does NOT provide step-by-step approach on how to plan/implement UESS programmes

- Principal audience: municipal planners and officials, sector specialists
The HCES Concept explained:

1. Request for assistance
2. Launch of the planning and consultative process
3. Assessment of current status of UESS
4. Assessment of user priorities
5. Identification of options
6. Evaluation of feasible service combinations
7. Consolidated UESS plans for the study area
8. Finalising of consolidated plans
9. Monitoring, (internal) evaluation and feedback (MEF)
10. Implementation
HCES - decision making

Household-centred Environmental Sanitation Model (HCES Model)

Decision Making in

The Past

The Future

Legend:
I Household
II Community/Neighbourhood
III Local Government
IV District Government
V National Government
HCES Approach

- places the **household** and its **neighbourhood** at the core of the planning process

- is based on the concept of ‘**zones**’, and solving problems within the ‘zone’ nearest to where the problems arise

- employs **bottom-up** and **top-down** approaches within an integrated framework

- is based on the **circular model**, emphasising resource conservation and reuse (rather than linear model)
HCES – resource management

Concept based on circular resource management systems:

Principle of Minimising Waste Transfer Across Circle Boundaries

Areas: I-Household; II-Neighbourhood; III-Local Government; IV-District Government; V-National Government
HCES – an integrated approach

HCES explained
10 steps
Selection Criteria

water supply
SW collection
composting
drainage
sewage systems
landfill
on-plot sanitation
HCES Implementation process

HCES explained
10 steps
Selection Criteria

**Step 1: Request for assistance**
**Step 2: Launch of the planning process**

This step includes a launching *workshop* and a signed *protocol agreement* between all stakeholders.
HCES Implementation process

**Step 3:** Assessment of current status of UESS

**Status report:** ward level and city wide status assessment
HCES Implementation process

Step 4: Assessment of user priorities
HCES Implementation process

**Step 5:** Identification of options

**INSTITUTIONAL**
- NGOs;
- PPP;
- Community contracts;

**FINANCIAL ARRANGEMENTS**
- Microfinance;
- Municipal funds;
- UESS loans;

**TECHNOLOGIES**
- On-plot sanitation;
- Re-use & recycling;
- Urban agriculture;
- Shallow sewers; etc....
HCES Implementation process

**Step 6:** Evaluation of service combinations
Step 7: Consolidated UESS plans for area
HCES Implementation process

Step 8: Finalising of consolidated UESS plans

- institutional set-up
- financial arrangements
- service & technology choices
- action plan for implementation
HCES Implementation process

**Step 9:** Monitoring, evaluation & feedback

**Initiating the HCES process**
- involve stakeholders
- clarify issues
- set priorities & objectives

**HCES Plan formulation**
- identify options
- develop strategy
- prepare consolidated plan

**HCES implementation**
- initiate projects & programmes
- monitor & evaluate
HCES Implementation process

Step 10: Implementation
HCES Implementation process

HCES:
An *integrated & cross-sectoral* approach using *environmental sanitation* as an *entry point* for the *planning* and *provision* of a bundle of key environmental services…
HCES arrangements for implementation

Government

CBOs or community groups

Utility or service provider

$$$

national or international funds

Facilitating NGO or Academia
HCES – Identification of suitable sites

Focus on:
Africa
South & SE Asia
Central America
Site selection will take into account a number of factors:

• Existing Sandec connections in country/city;
• NCCR JACS area (Joint Area of Case Studies)
• Site and context-specific criteria (see below)
Selection Criteria for HCES Pilot Sites

The following 10 criteria should be considered when identifying a pilot site:

Proven interest from population & authorities;

Socio-cultural environment is favourable: political will;

Specific, easily definable neighborhood within larger city, preferably over 100‘000 inhab.

Urban or peri-urban area with >100 p.p.ha
Selection Criteria for HCES Pilot Sites

Pilot site population 5‘000 – 30‘000 initially;

Avoid slum areas with high population mobility;

Proven community self-organization (CBOs, groups, etc);

Proven support institution within the region;

Infrastructure defects perceived as a priority problem by the population involved;

Follow-up investment & implementation likely;
Selection Criteria for HCES Pilot Sites

It is not possible to fulfill all criteria in each selected location. Important is to make a careful selection in this crucial first stage of application & testing!

There is also a danger that the HCES process will produce projects that nobody will fund, leaving the community disillusioned with the planning process…
HCES – Initial pre-selection for 2006

HCES Strategy
Site Selection
Selection Criteria
<table>
<thead>
<tr>
<th>City &amp; Country</th>
<th>Partner</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> Dong My Ward, Hanoi</td>
<td>People’s Committee, CEETIA (Research Inst.)</td>
</tr>
<tr>
<td><strong>2</strong> Pune, India</td>
<td>Shelter Associates (NGO)</td>
</tr>
<tr>
<td><strong>3</strong> Mumbai, Pune</td>
<td>SPARC (NGO)</td>
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<tr>
<td><strong>4</strong> San Jose, Costa Rica</td>
<td>ProDUS, FLACSO, Univ. of San José</td>
</tr>
<tr>
<td><strong>5</strong> Bobo-Dioulasso, Burkina</td>
<td>Comité de Projet, CREPA, IRC</td>
</tr>
<tr>
<td><strong>6</strong> Fada N‘Gourma, Burkina</td>
<td>EPCD, SDC</td>
</tr>
<tr>
<td><strong>7</strong> Kigali, Rwanda</td>
<td>City of Kigali, local NGO</td>
</tr>
<tr>
<td><strong>8</strong> Small town, Tanzania</td>
<td>Municipality, seco</td>
</tr>
</tbody>
</table>

Green: NCCR funded test site  Brown: additional Swiss funding
Next steps in 2006

Review existing procedures in other projects;

Carry out site identification process;

Initiate first HCES planning projects by 06/2006;

Publish provisional guidelines in French and Spanish;

Continuous addition of tools & guidelines to HCES compendium;