



**Vitens-Evides**  
*International*

sustainable water services

**The number of casualties due to  
inadequate or insufficient  
water and sanitation services  
equals the death toll of 20  
Boeing 747s crashing every day**

# Top five of death rates

Cause	Victims (annual)
AIDS	2,1 miljoen
Malaria	1,8 miljoen
Water and Sanitation related	1,8 miljoen
Tuberculosis	1,6 miljoen
Traffic uUn)safety/road accidents	1,2 miljoen

# Hashimoto: a call for action

*“The world must **act** now. We will take our **Actions**. We implore you to take your **Actions**. **Action** now will save and enhance lives, and it is essential if we want to protect all life and our home, our fragile planet”*

Chairman of the UN Secretary-General’s  
Advisory Board on Water and Sanitation

March, 2006

# Vitens-Evides International Ltd

**Merger of two largest water utilities in The Netherlands**

**Sales: 480 million m<sup>3</sup>/year**

**7,7 million customers**

**2000 staff members**

**Turnover € 750 million/year**

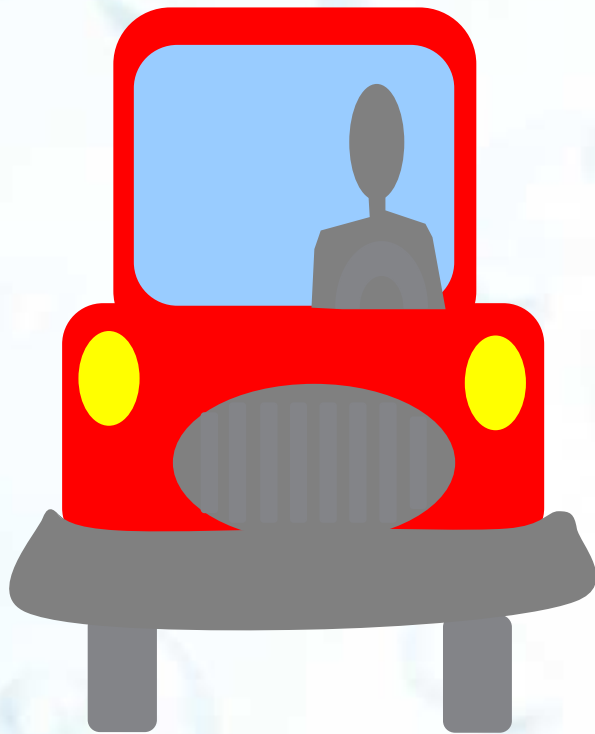
**International: 5 staff, 15 resident project staff, and 75 expert staff**



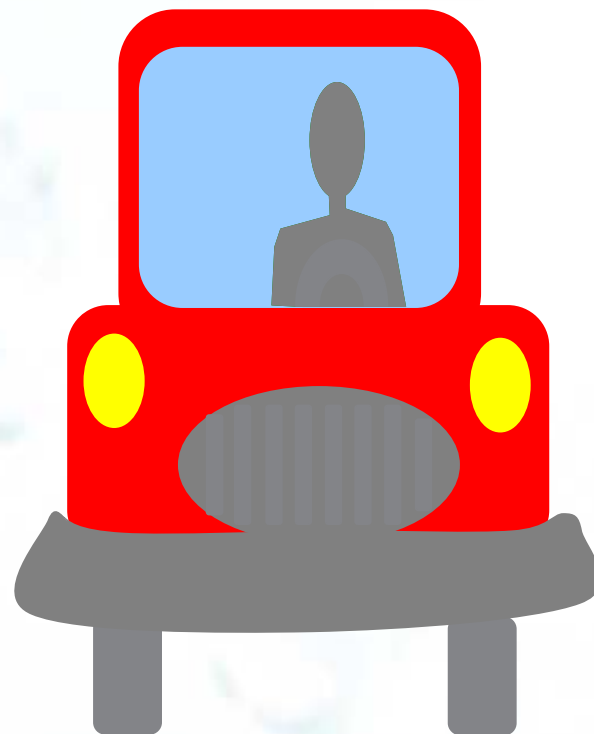
# International activities VEI

- 1. Management contract Ghana Water**
- 2. Water Operator Partnerships (water only)**
  1. Mozambique (several cities and towns)
  2. Vietnam (Danang, Saigon and Ho Chi Min)
- 3. Water Operator Partnerships (water+sanitation)**
  1. Yemen (Ta'iz and Aden)
  2. Mongolia (UlaanBataar)
- 4. Total                    approximately 15 million people**

# Professional Support through WOPs



A poor performing  
utility can...



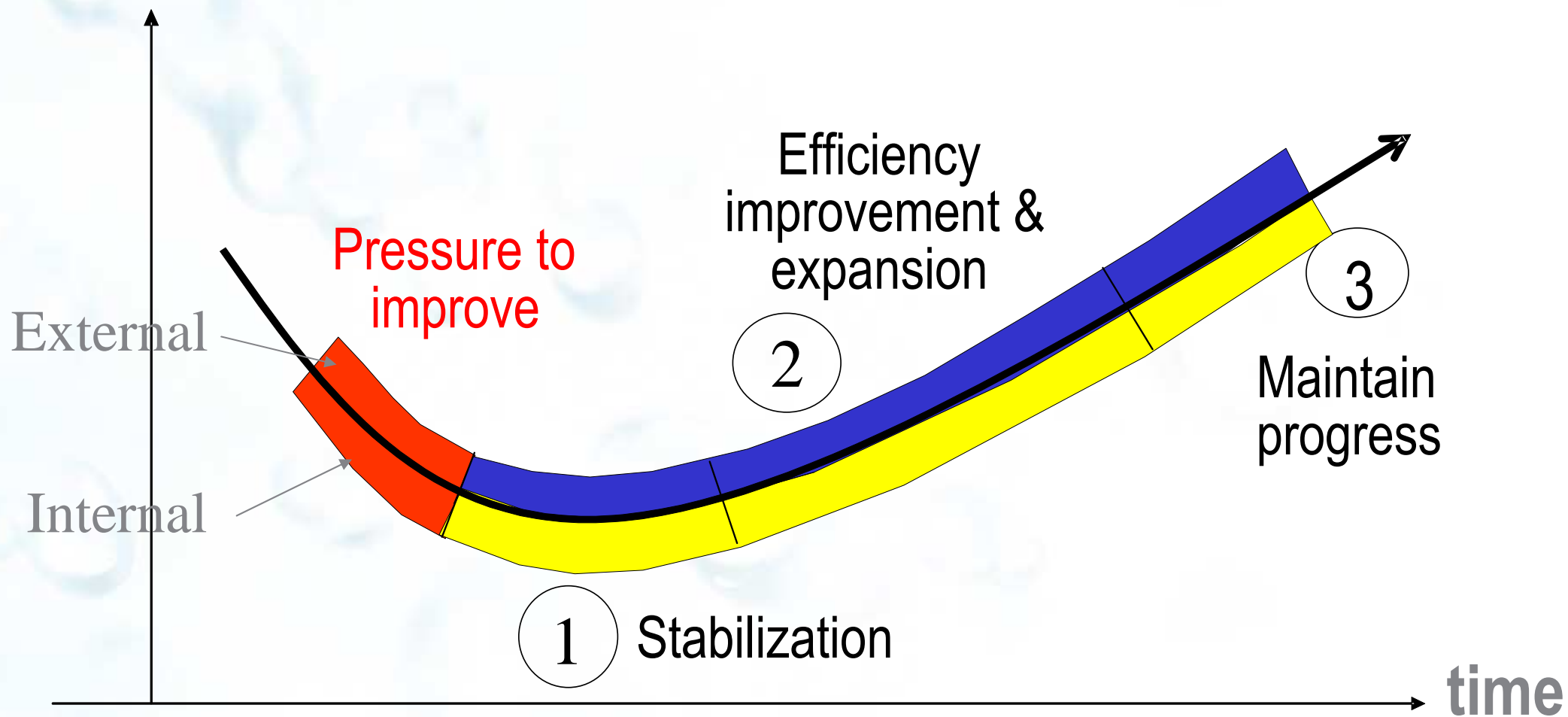
outsource its  
management



...or enter into a  
WOP arrangement

# Two years is too short for reform

performance



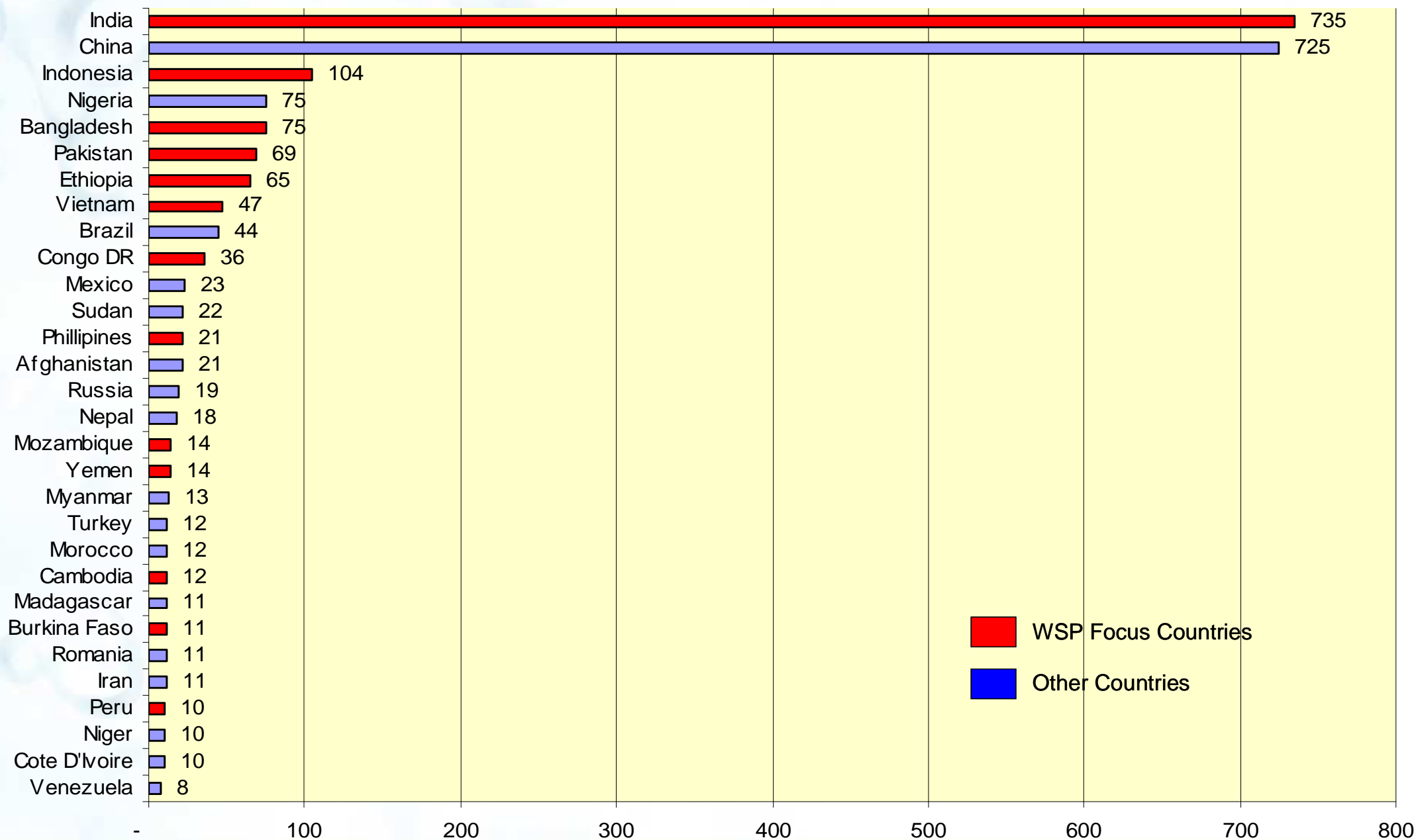


# Global sanitation crisis

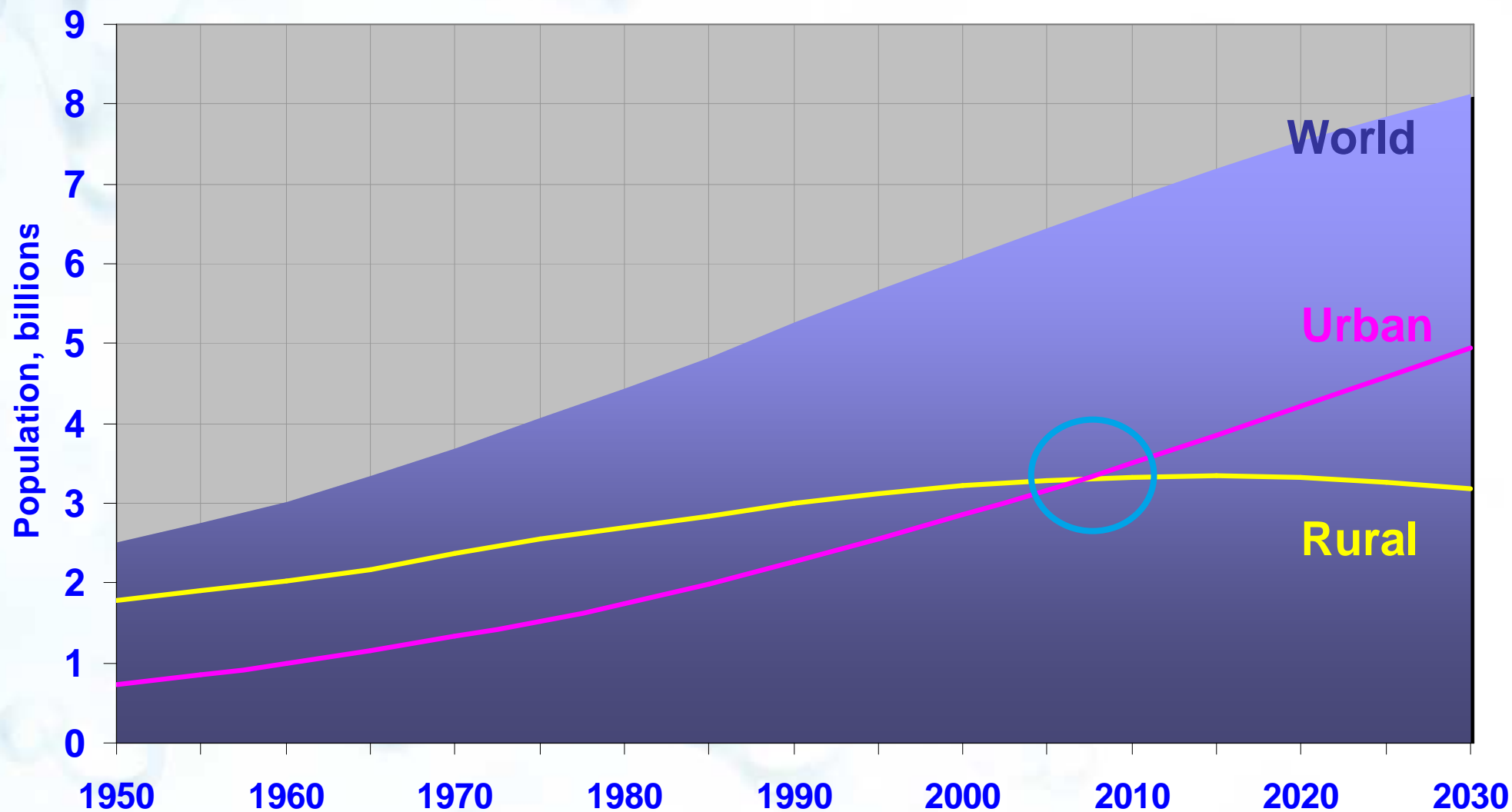


**What are  
YOU doing  
about it?**

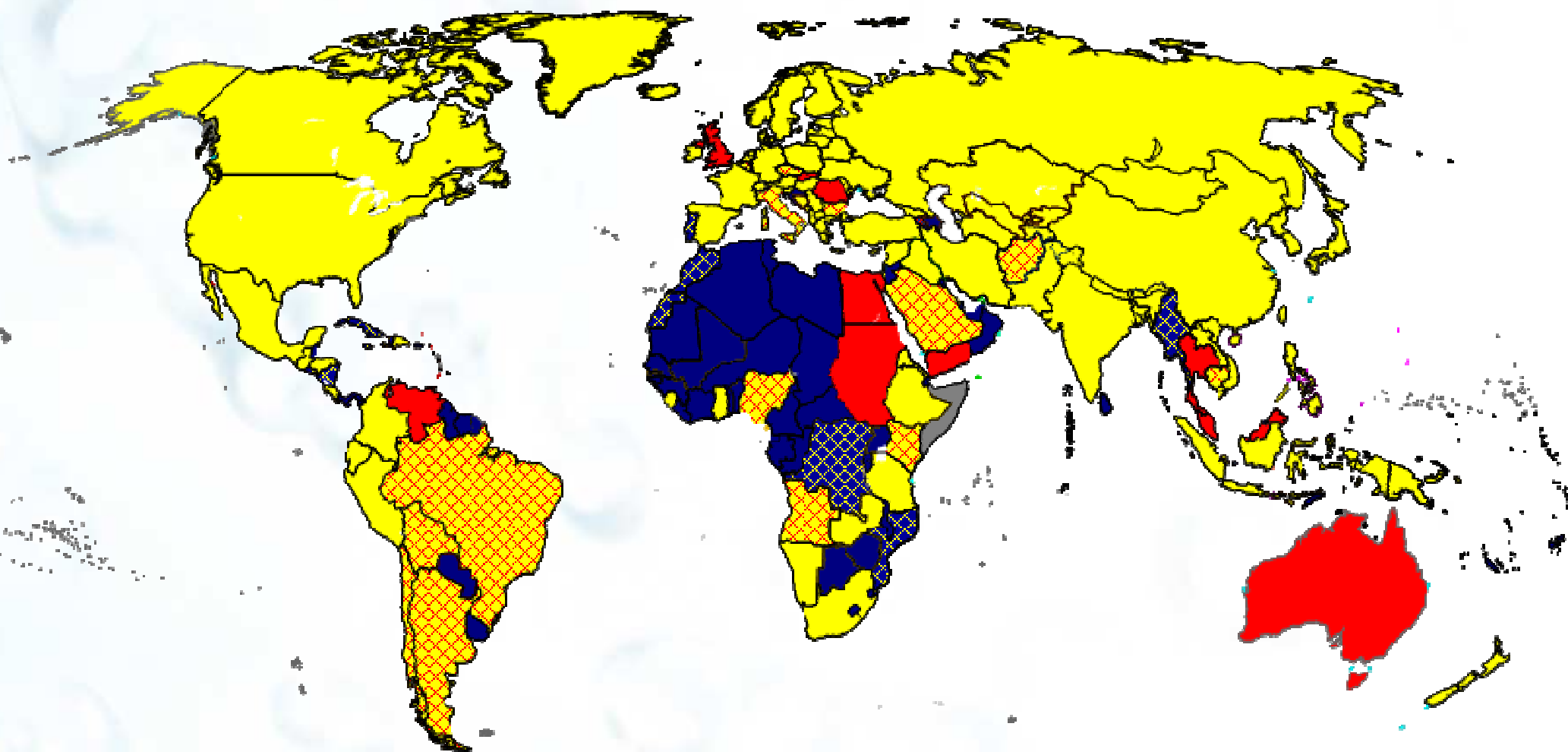
# I. The Challenge: 2,4 billion



## II. Rapid urbanisation



# III. Decentralisation



- |   |                     |   |                       |   |                |   |         |
|---|---------------------|---|-----------------------|---|----------------|---|---------|
|  | National            |  | Regional              |  | Local          |  | Unknown |
|  | Nationaal+ gemeente |  | Nationaal+provinciaal |  | Regional+local |   |         |

## IV. The fact is that . . .

### 1. Hand washing → 32%

1. Basic education/awareness

### 2. Potable water services → 26%

1. Sufficient quantity and quality
2. Reliable and cost-effective operator
3. Access to investment funds

### 3. Sanitation services → 28%

1. Human dignity, privacy, and safety
2. Environmental caretaking
3. Allocation of institutional responsibilities
4. Technology choice & investment funds

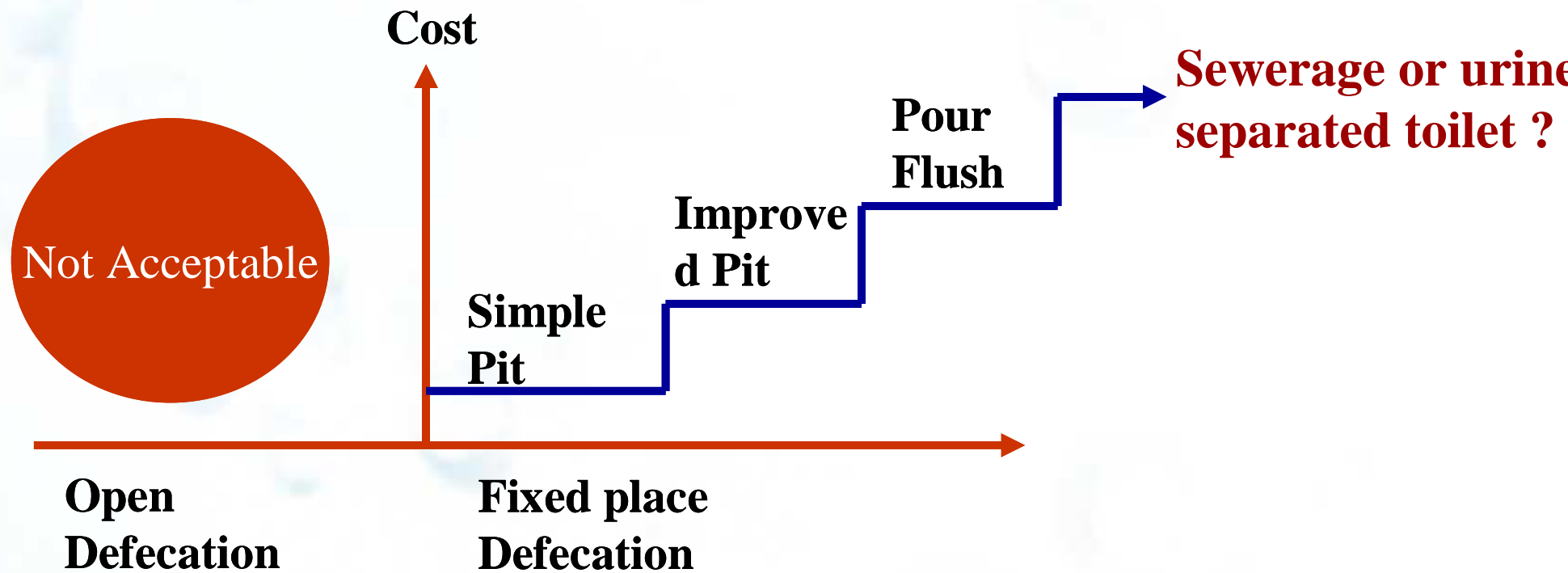




# V. To change habits is not easy. .



# Sanitation Upgrading

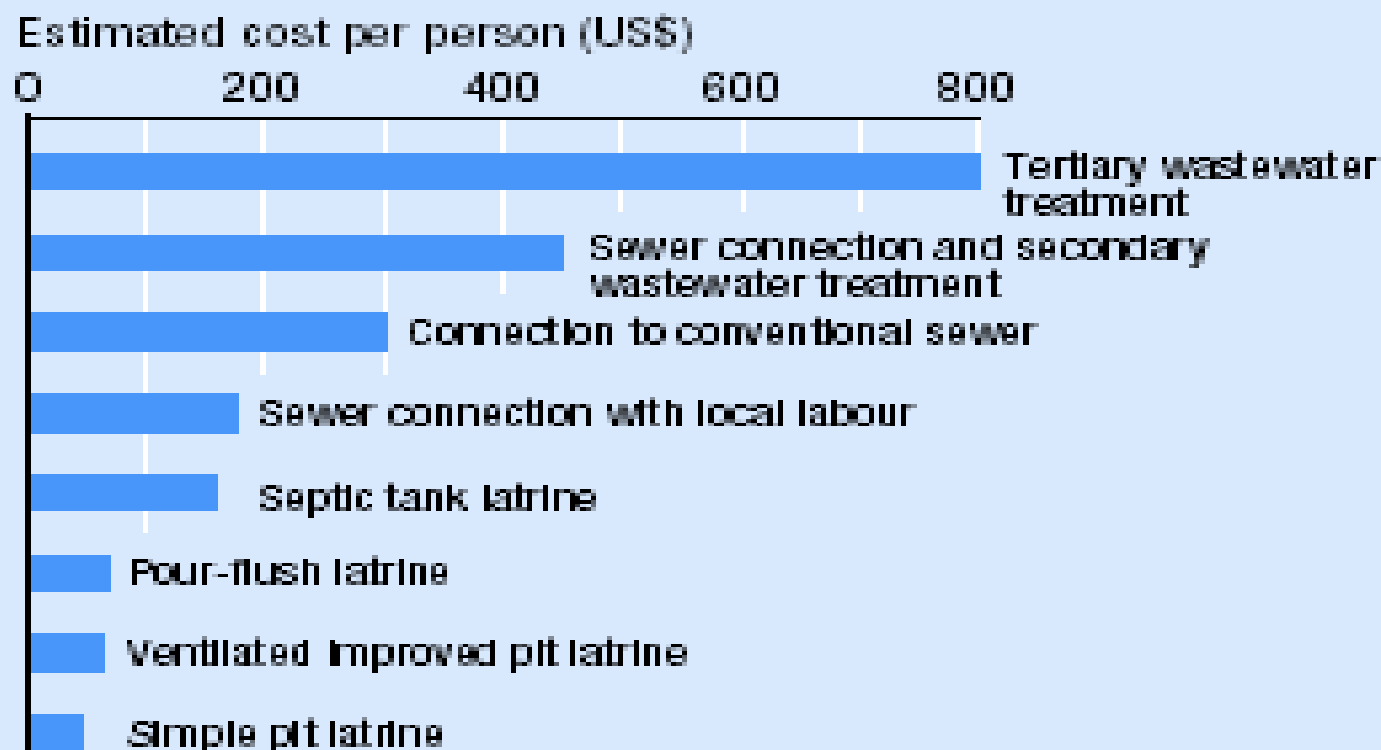


Upgrading of sanitation services has implications for the cost and for institutions to support operation and maintenance

# Sanitation upgrading and cost

**Figure 3.1**

**Climbing the sanitation ladder has financial as well as health implications**



Source: Adapted from Lenton, Wright and Lewis 2005.





**Global Urbanisation adds every day a city of Utrecht (300.000 inhabitants) to its urban population**

# Ulaanbataar - Mongolia



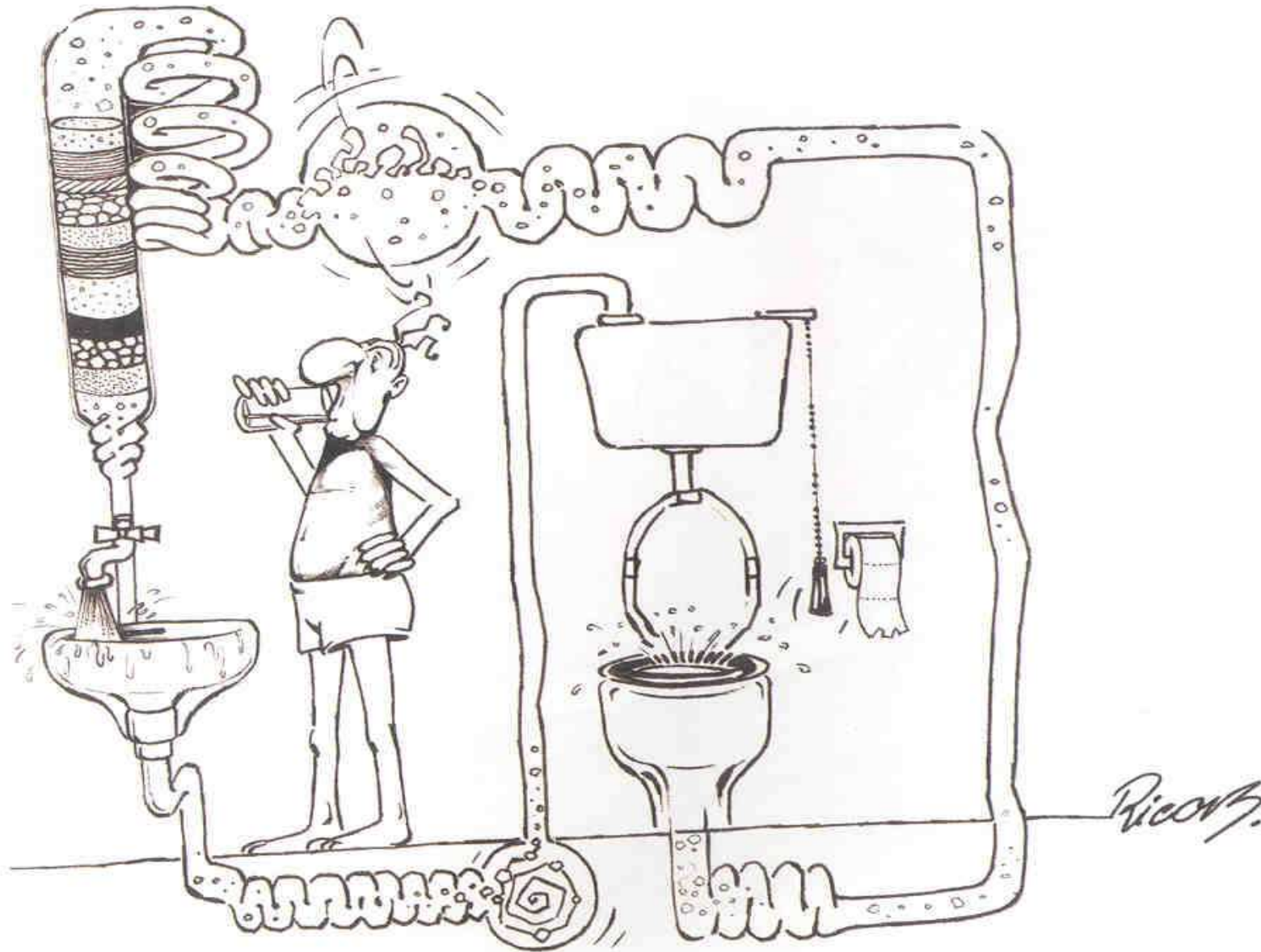
# Concluding statements

- 1. Priority is to be on peri-urban sanitation in low income countries - high population densities, low water consumption rates, and low-incomes**
- 2. Financing peri-urban sanitation can only work through the water bill of the local water utility (also within the Netherlands!)**
- 3. The hierarchy in sanitation technology selection climbs from health care → environment protection → sustainable development → economic growth**
- 4. Integrating water and sanitation service delivery opens scope for sector innovation and sustainable development**



# How sweet it can be . . . . .

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***"We must either find a way or create one. . . ."***

***(Hannibal, 200 BC)***





**Hopefully these situations will be banned before 2015**



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