Urban Sanitation: Where to next?

PIPPA SCOTT

REBECCA SCOTT

ANDREW COTTON

i-San Associates

WEDC Developing knowledge and capacity in water and sanitation

Loughborough University

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Paper available: bit.ly/2J54nVm

International Drinking Water Supply and Sanitation Decade

1980

Importance of Demand

Cairncross 1992

Robert Chambers: "Putting the last first" and "Whose Reality Counts?"

Sustainable Livelihoods Approach

1980-1990

1990

Impact on peoples lives that matter

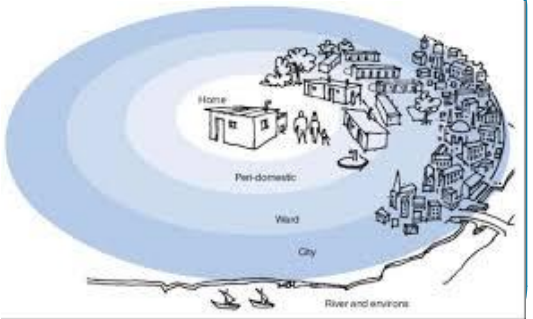
Calcutta Slum Improvement, Kar 1997

On-plot sanitation

Cotton & Saywell 1998

Urban sanitation planning frameworks

SSA 1997; HCES 1997; Taylor et al. 2003; Sanitation21 2006



2000

Small-scale sanitation entrepreneurs

Collignon & Vezina 2000

User perceptions

Saywell 2000

'Unlock' demand with sanitation marketing

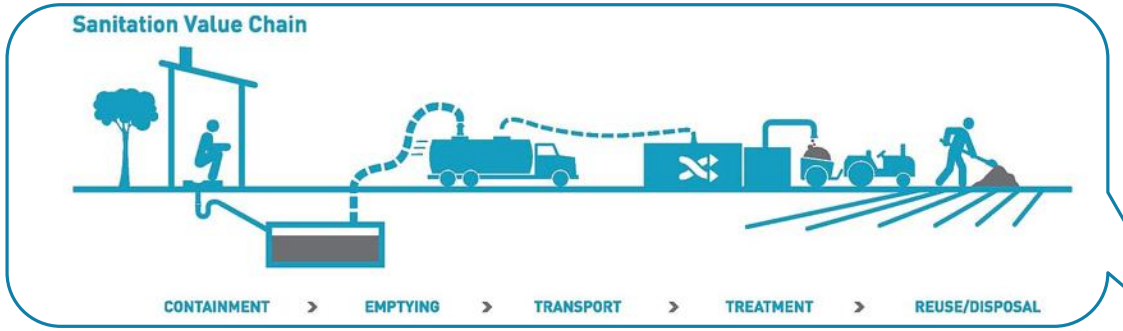
Budds et al. 2002

Why do people want toilets?

Jenkins & Sugden 2006

Preferences, intentions & ability to choose

Jenkins and Scott 2007



INTERNATIONAL YEAR OF SANITATION 2008

What do we do with full pits?

Complexities of demand?

Tenure issues?

How to 'do' urban sanitation?

Pit emptying technologies
Godfrey 2009

Tenure and sanitation
Scott et al. 2011

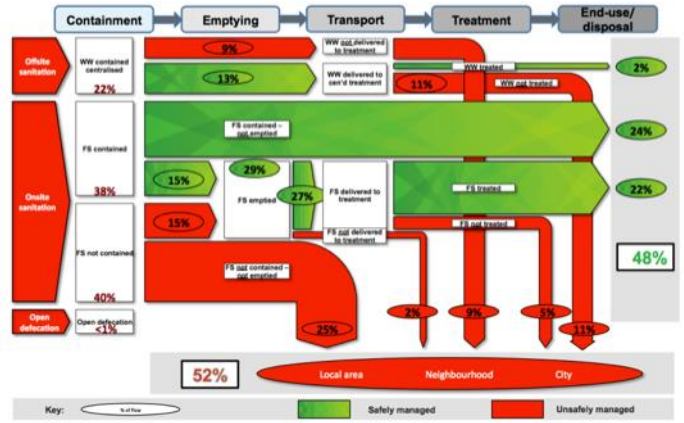
Shared sanitation
Mazeau et al. 2014

Business sanitation models
O'Keefe et al. 2015

Co-financing sanitation
Patel 2015

2010

CLUES Eawag 2011



SFD 2014

Sanitation Safety Planning
WHO 2015

The WSP tools offer the **clearest framework** and systematic view for understanding the complexities of urban sanitation, they take into account the enabling environment and what is do-able in context

Value chain and FSM have moved sanitation “beyond the toilet”, increasing specialisation, tools and techniques.

Sanitation as a business

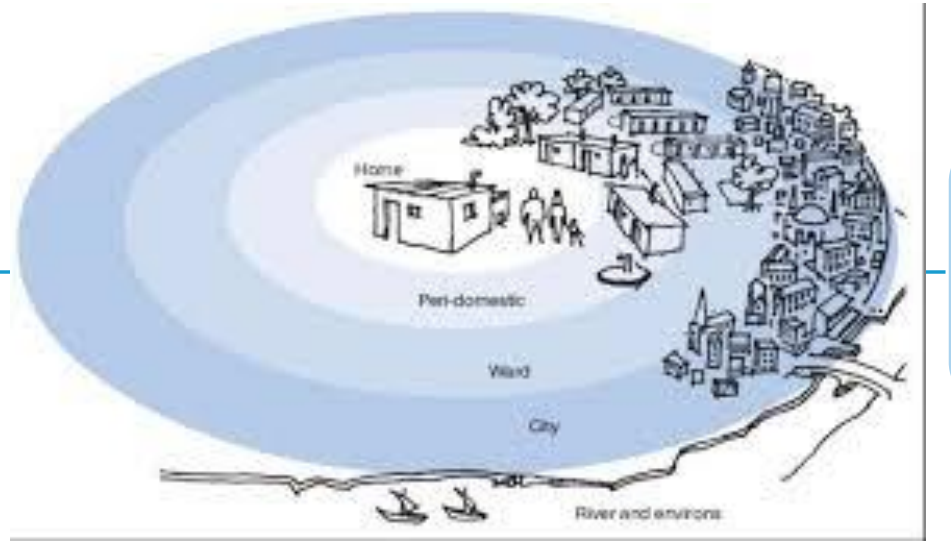
better techniques to generate household demand for sanitation

Where we are today?

Understand the value of **enabling environment** - *why* things are the way they are.

The sanitation chain has become the *de facto* conceptual model for urban sanitation

People centered development, centrality of **demand**



Complex realities of **urban living** (not just low income)

What have we lost?

Complex urban systems - planning for one service cannot proceed in isolation from others

Sanitation is important - but so are many other basic services

Photo credit: Connective Cities

Where do we go from here?

- Integrate what we've learnt about urban sanitation into earlier work
- Reconsider *integrated service provision* for the peri-household environment
  - sanitation is only one component.
- Place sanitation back into the wider human-technology-environment systems of the city.

Indicators

Living Environment (PEOPLE)

- Demand
- Tenure
- Services and infrastructure
- Housing Unit
- Neighbourhood

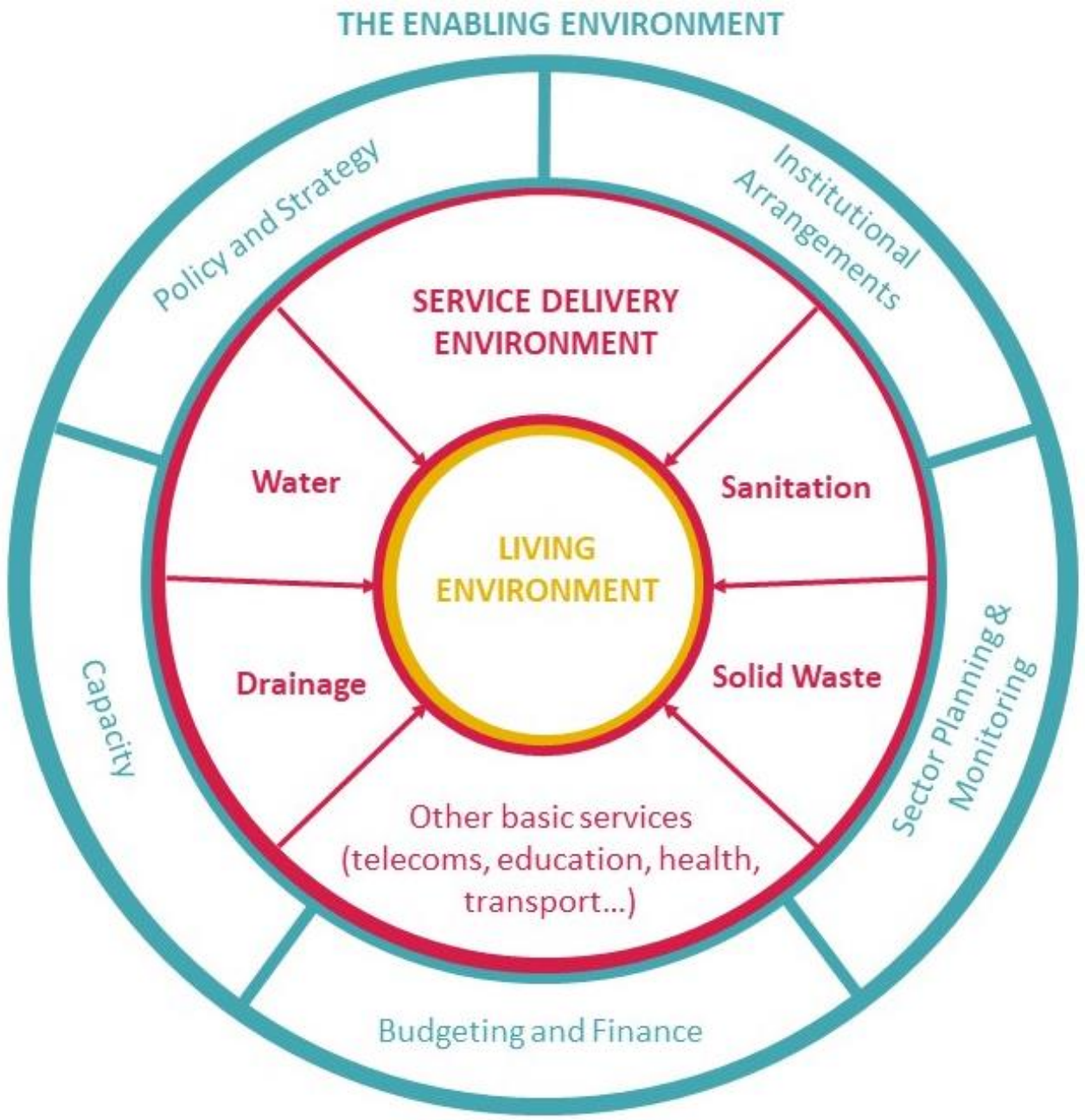
Service Delivery Environment (SERVICES)

For sanitation:

- Containment
- Emptying
- Transport
- Treatment
- Disposal

Enabling Environment (CONTEXT)

- Policy and Strategy
- Institutional Arrangements
- Sector Planning & Monitoring
- Budgeting and Finance
- Capacity



“Sanitation Cityscape” adapted from Scott et al. 2015

Thanks for listening

PIPPA SCOTT PIPPA.SCOTT@I-SAN.CO.UK

REBECCA SCOTT R.E.SCOTT@LBORO.AC.UK

ANDREW COTTON