



essential public services for all
clean waters, no waste – livable spaces!



**Permettre l'accès
à l'assainissement
pour tous signifie:**

Innovative approaches mainstreaming sanitation as regular service to citizens in liveable cities.

Stefan Reuter,
Executive Director





- ▶ ...is passionate about urban liveable spaces based on environmental balance, social justice and human rights.
- ▶ Aiming at urban transformation, BORDA wants to make sanitation accessible for everyone – forever.
- ▶ ...is an honest broker and long-term process consultant connecting technical expertise, global insights and access to decision makers, to make a meaningful contribution in the form of knowledge, technology and empowerment.

3500 systems for water & sanitation

40 partners, 20 countries, 400 specialists

- Bremen
- Las Américas
- Africa
- Western and Central Asia
- South East Asia
- South Asia



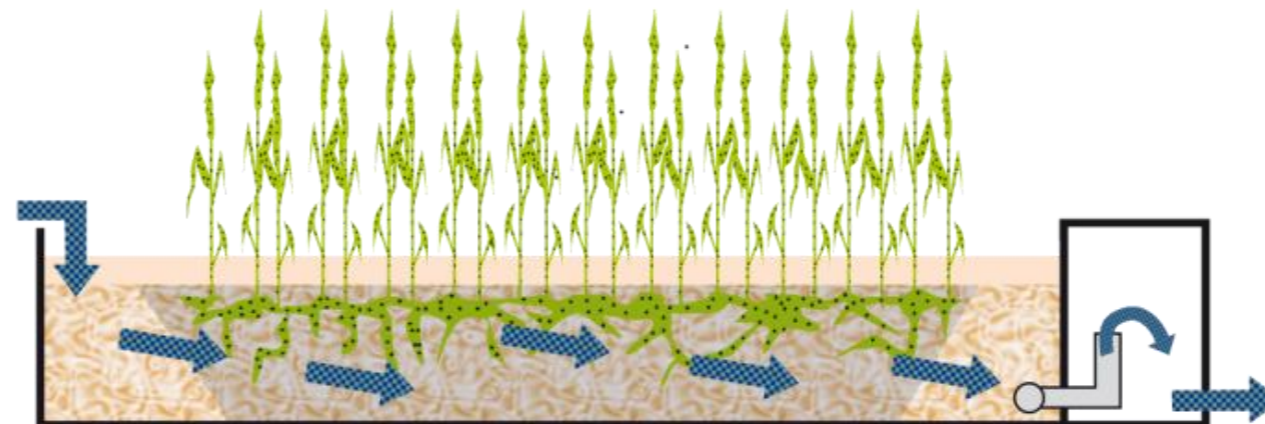
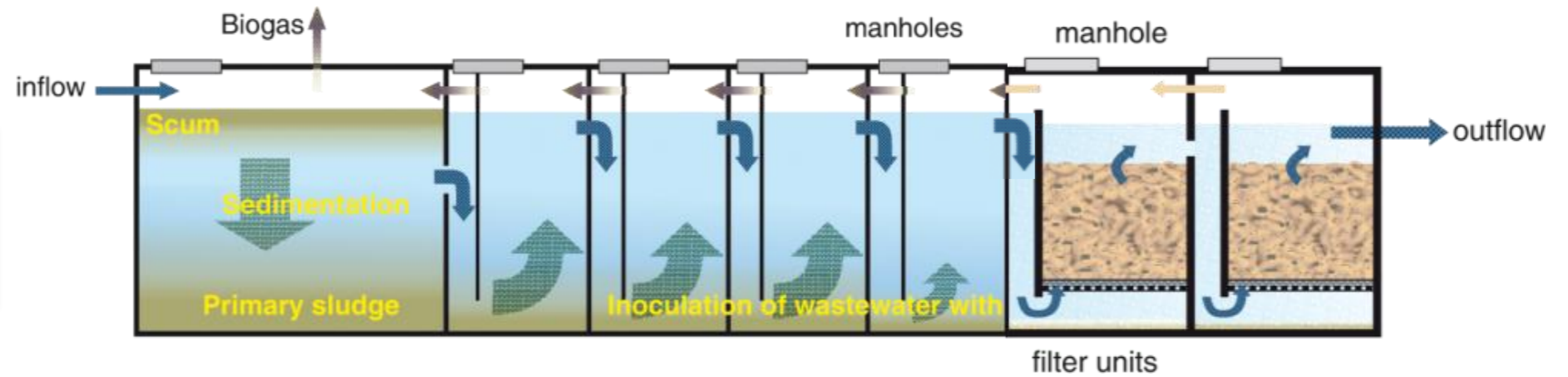
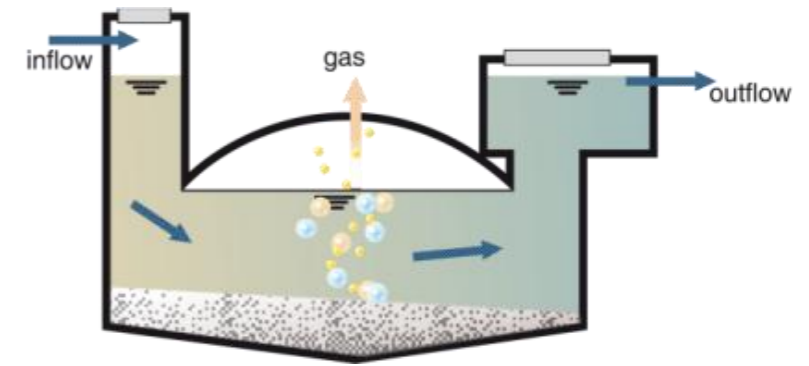
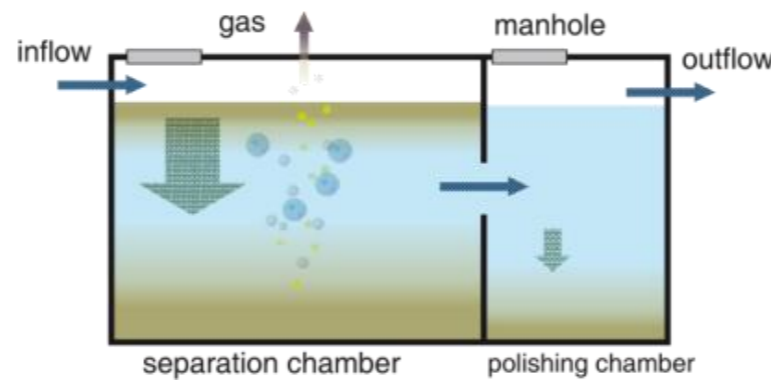


Decentralised Wastewater Treatment Systems

Sedimentation

Anaerobic digestion

Aerobic and facultative decomposition



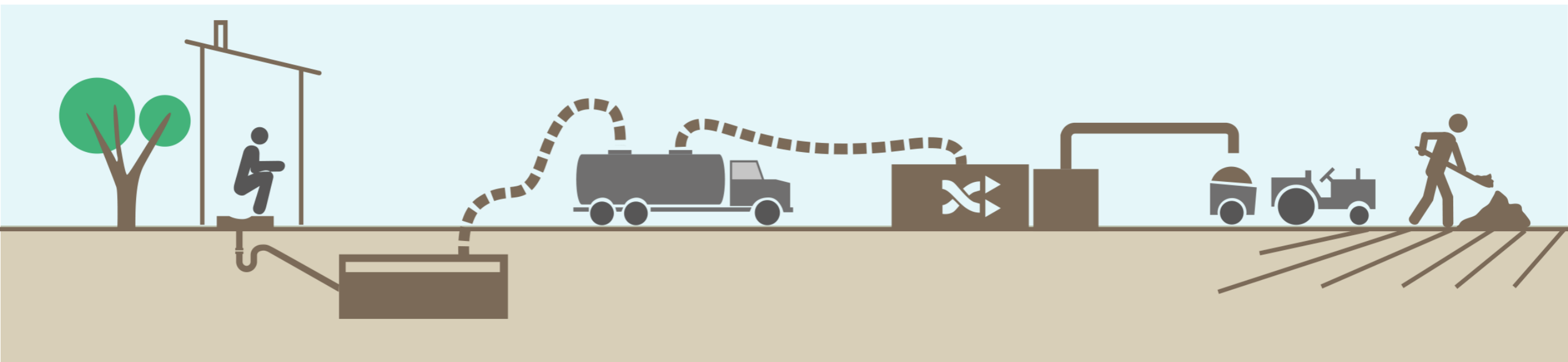
Development Solutions Award 2011 Practice



...also as PreFab solution:



From MDGs to SDGs



CONTAINMENT



EMPTYING



TRANSPORT

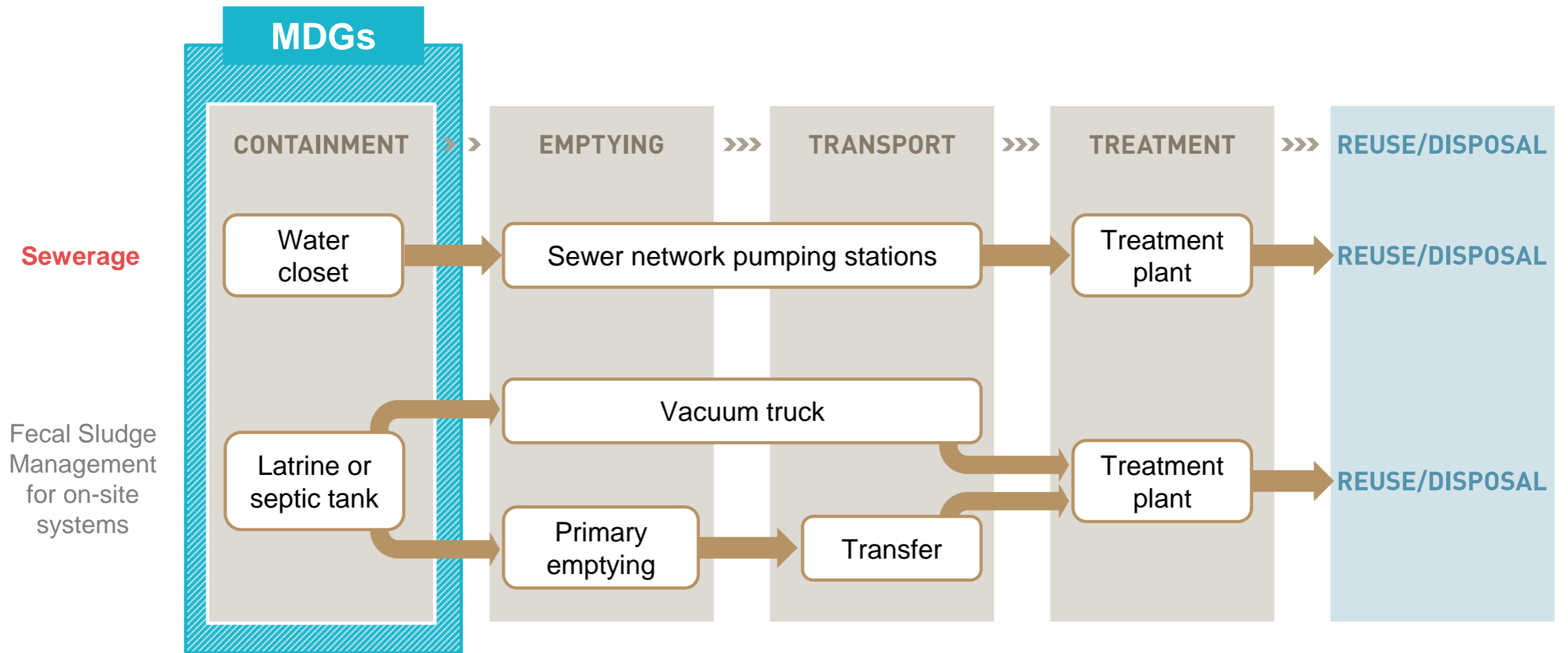


TREATMENT

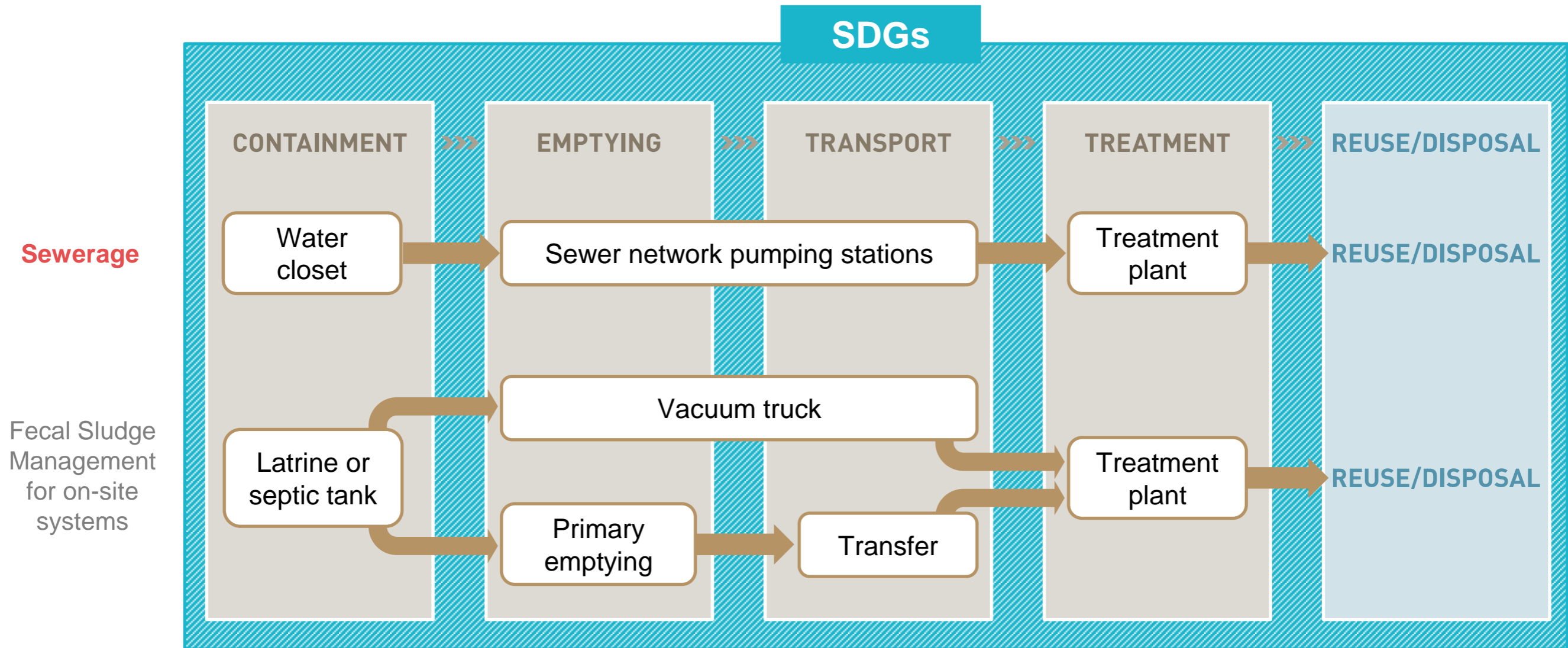


REUSE / DISPOSAL

From MDGs to SDGs



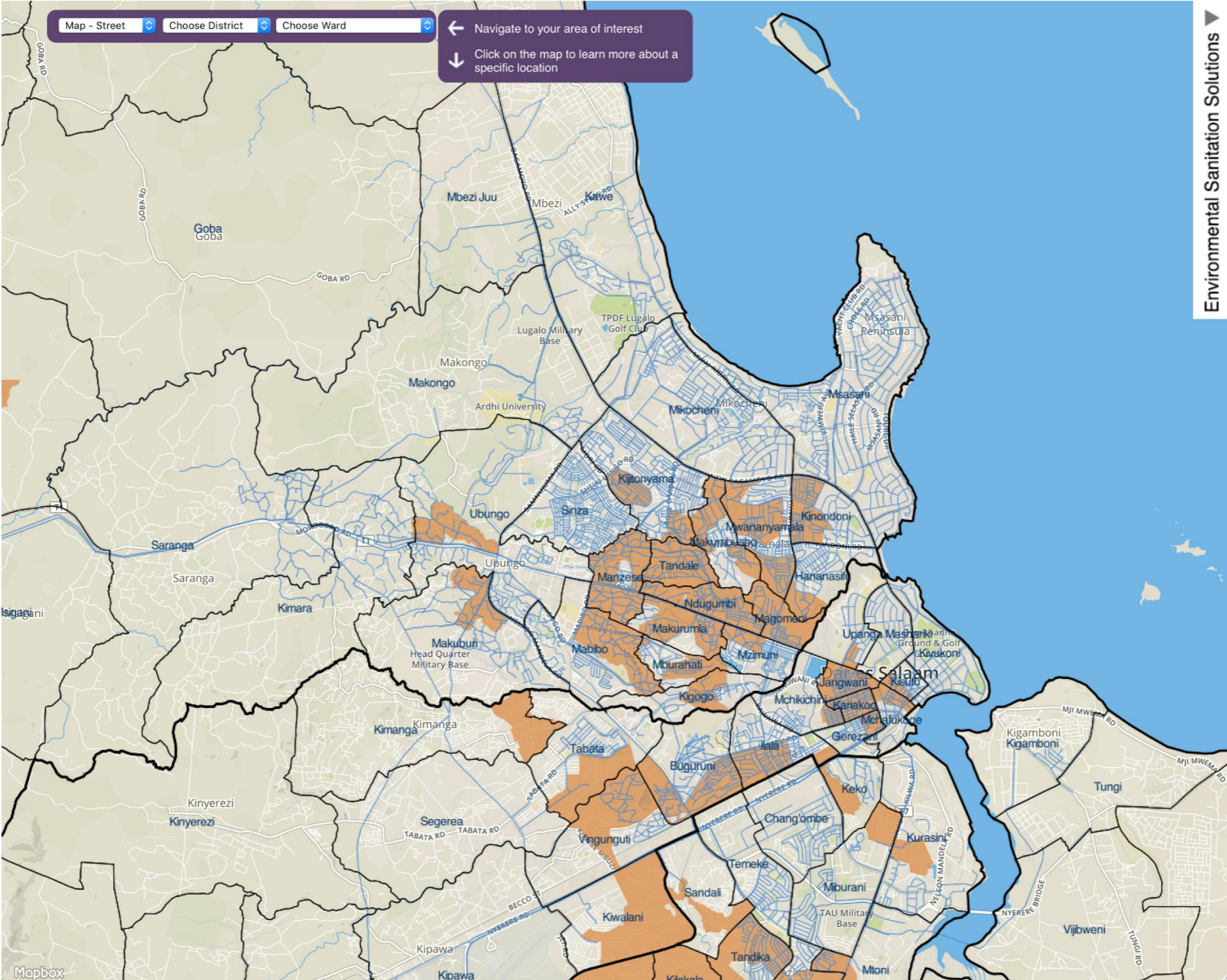
From MDGs to SDGs



Planning on City Scale



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Population density [?]

- Low Density
- Medium Density
- High Density

Access to Roads [?]

- No/Limited Road Access

Additional Local Data [?]

- Cholera Prone
- Flood Prone
- Cholera & Flood Prone
- High Ground Water
- Water Supply Network
- Sewer Network
- Wastewater Treatment Ponds

Community Water Schemes [?]

- Select All
- Water Tanks
- Bore Holes
- Water Points
- Service Area



The area you have selected is:

None Selected

+

None Selected

+

Select income level : [?]

- Low income
- Middle income
- High income

View Additional Local Data:

Display all Layers

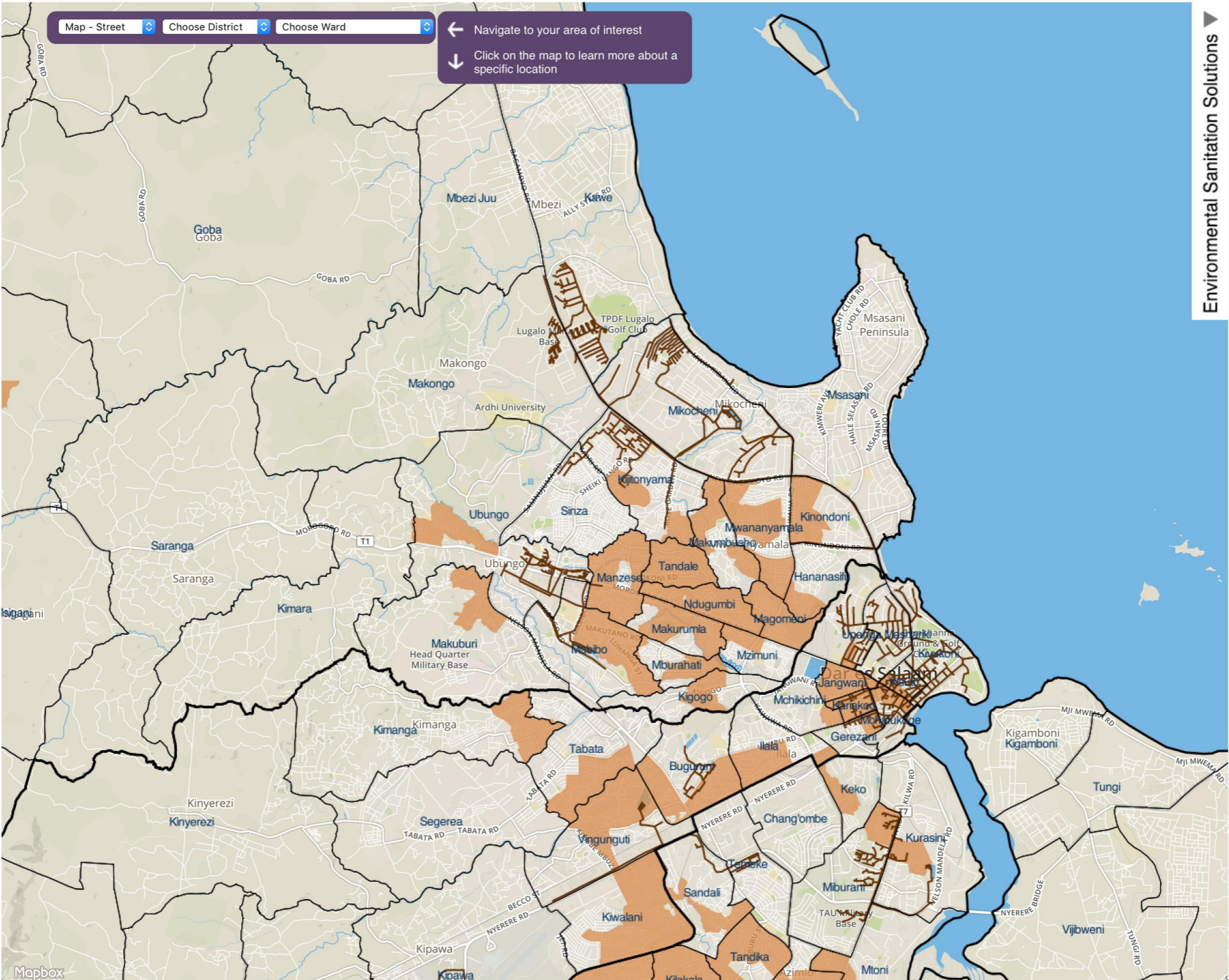
Environmental Sanitation Solutions



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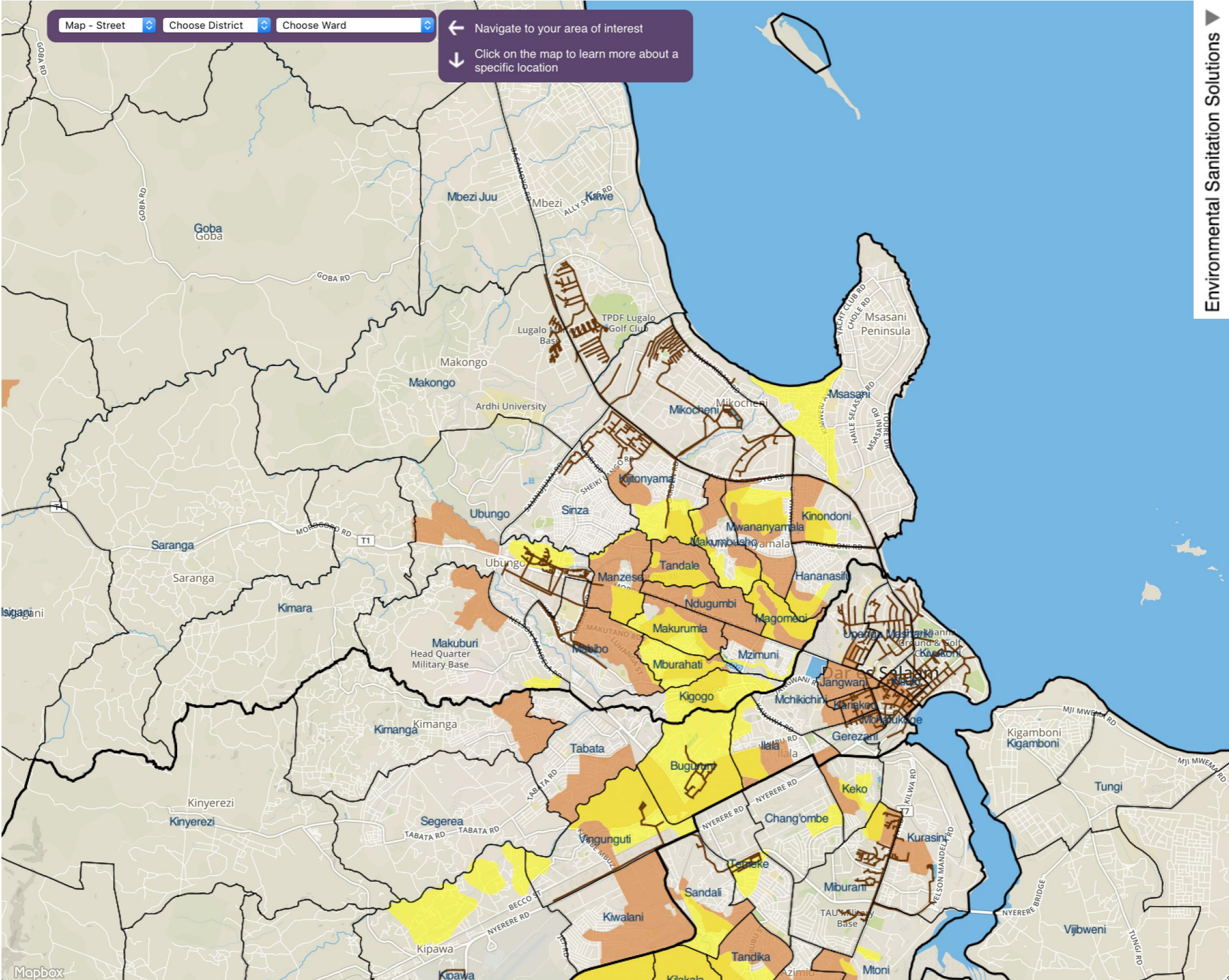
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Environmental Sanitation Solutions

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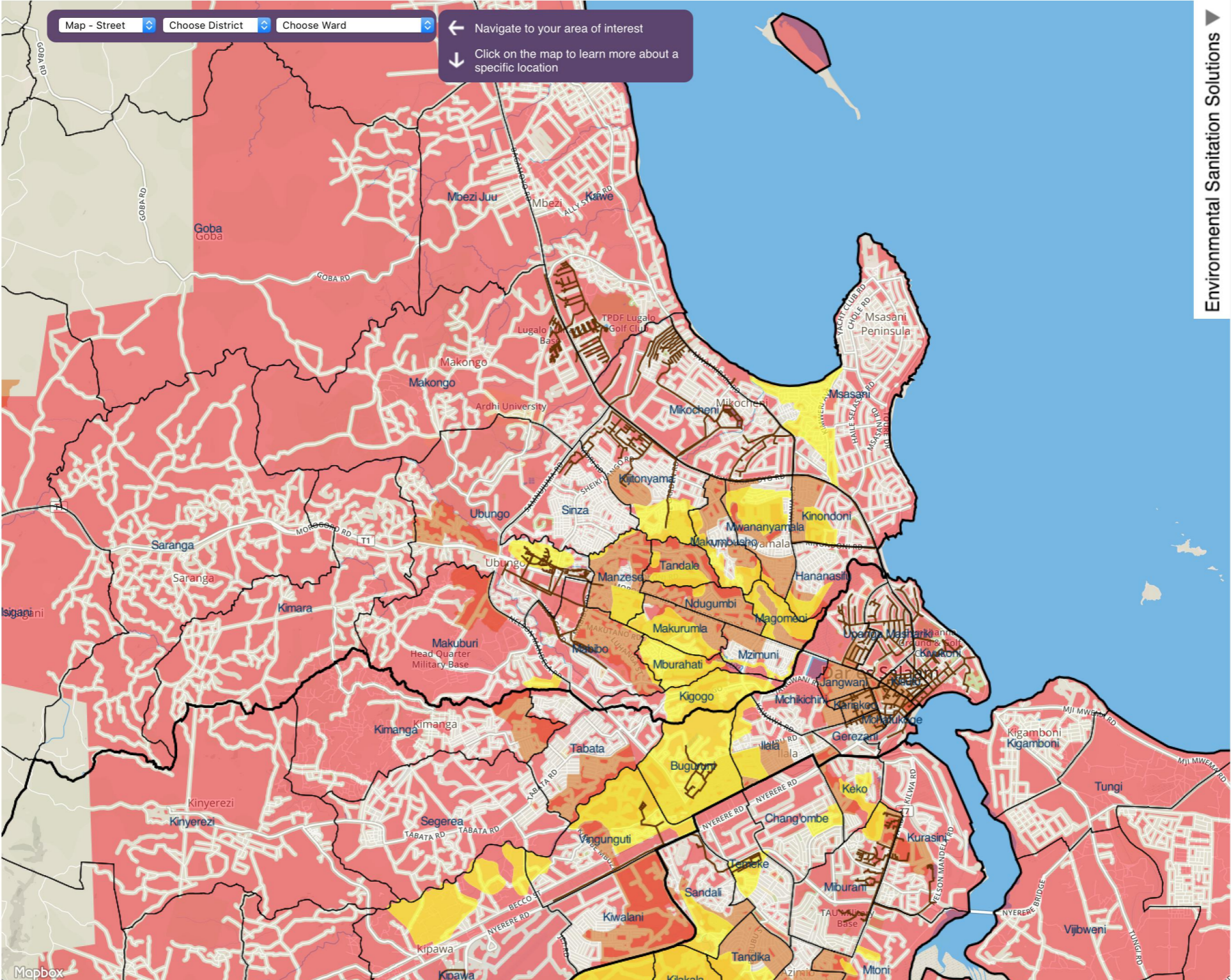
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Environmental Sanitation Solutions



Links in the water services chain



Links in the water services chain



For the chain to work each link must be:

- ▶ Distinct
- ▶ Strong
- ▶ Connected to the others
- ▶ Pulled in the same direction

Links in the water services chain



Decides Public Policy Objectives
Sets Policy for Action
Allocates Public Resources
Sets Tariffs & cost recovery
Arbitrates between diverging interests
Reviews Changes in conditions
Adjusts Policy Objectives

Links in the water services chain



Support to Policy Makers

Planning, Information, Options etc.

Implementation of Public Policy

Public Procurement

Enforcement / Compliance

Regulation

Financial / Accounting

Technical

Quality

Monitoring, Control & Data

Links in the water services chain



“Industrial” Operation of Service:

(Some or all of the following)

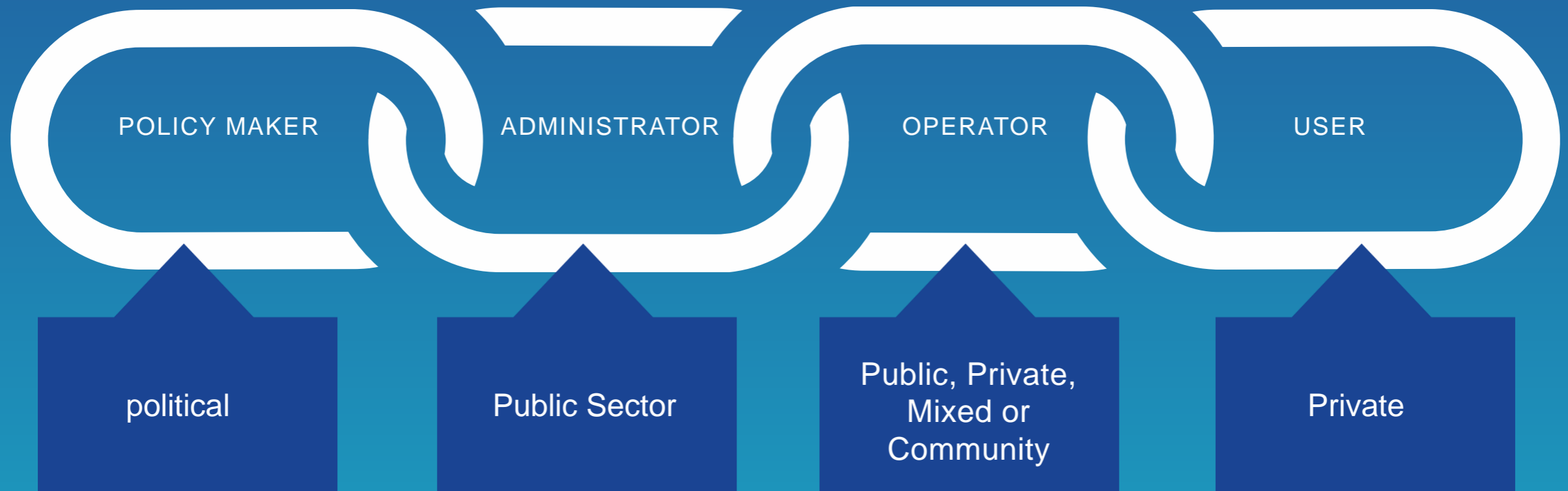
Routine operation
Customer & community relations
Maintain infrastructure & equipment
Repair/replace assets
Construct infrastructure
Operate cost recovery
Management of suppliers & sub-contractors
Provide advice to Policy Makers

Links in the water services chain



Enjoys the Benefit of the services
Respects the terms & conditions
Pays the Tariff or Taxes
Respects other users
Respects the service provider
Engages in public interest issues

Links in the water services chain



BORDA 