

Opportunities for sustainable sanitation in climate action

- Lessons from Africa, Asia and the Americas -

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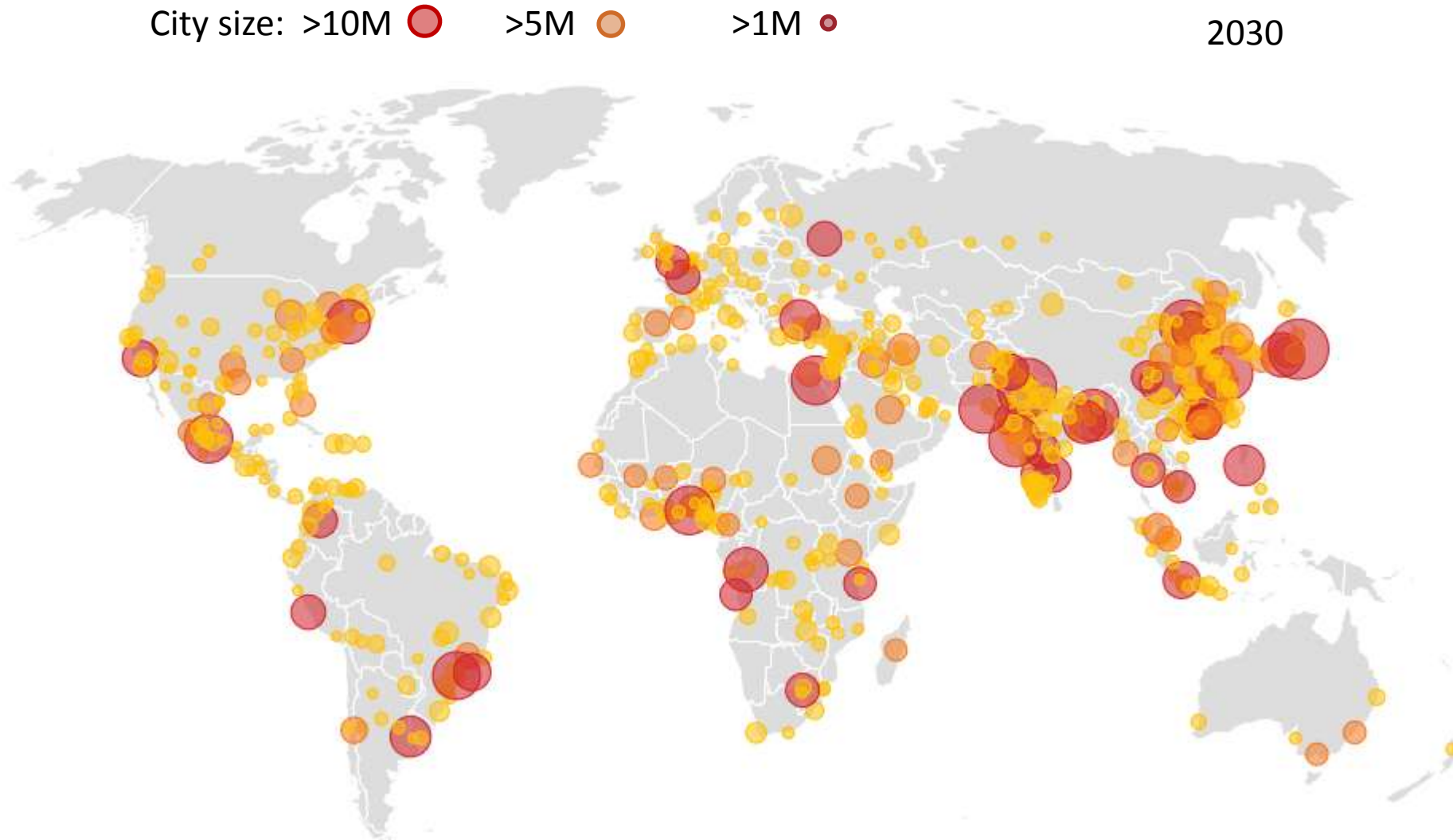
Sanitation is clearly off-track!



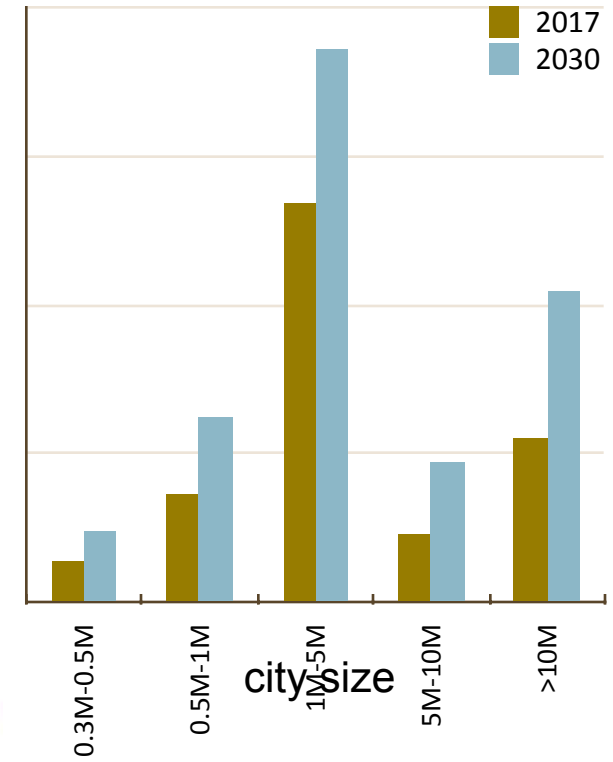
4.2B

- use sanitation services that leave human waste untreated, threatening human and environmental health.
- With only 10 years left until 2030, the rate at which sanitation coverage is increasing will need to quadruple if the world is to achieve the SDG sanitation targets.
- At the current rate of progress, it will be the twenty-second century before sanitation for all is a reality. Clearly this is too slow.

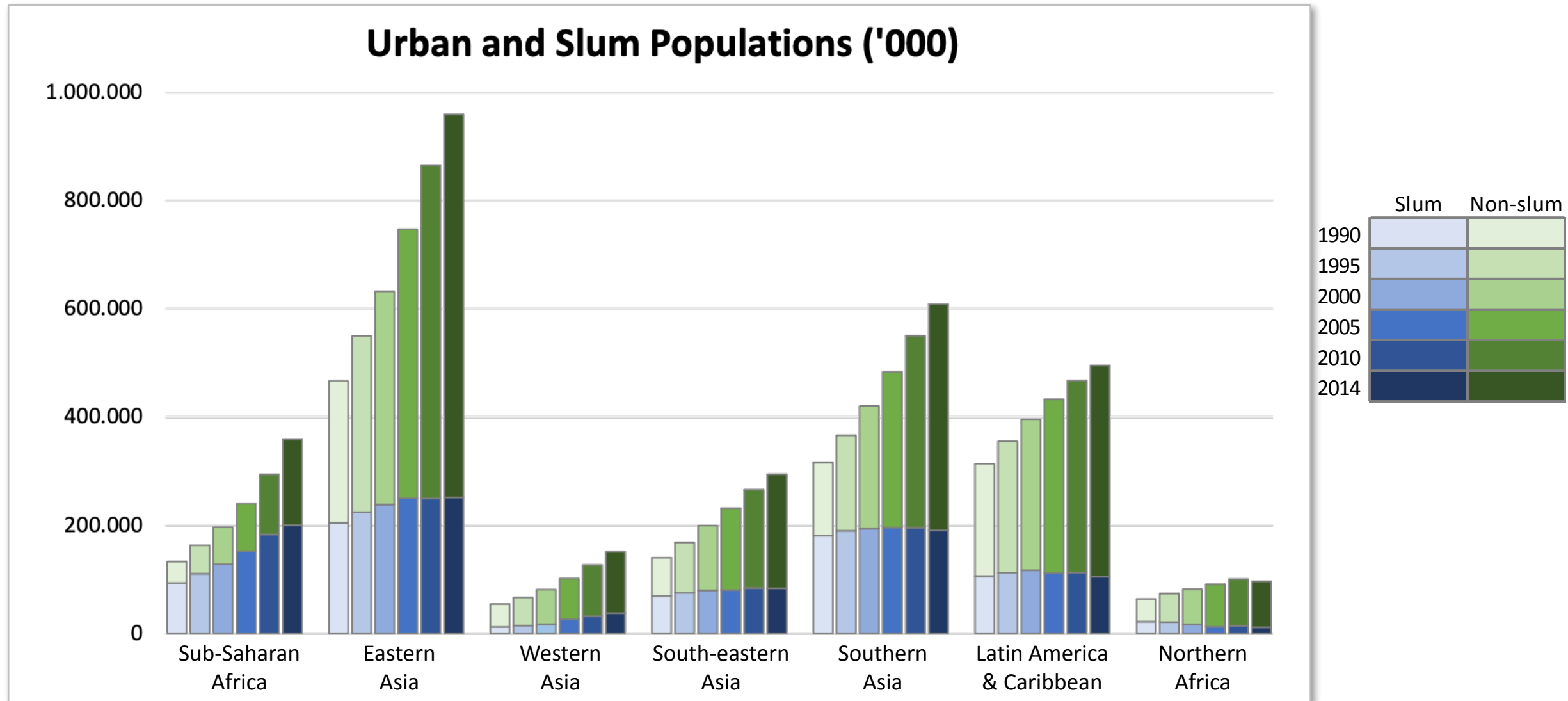
Big Cities are growing...



Global population in cities (M)



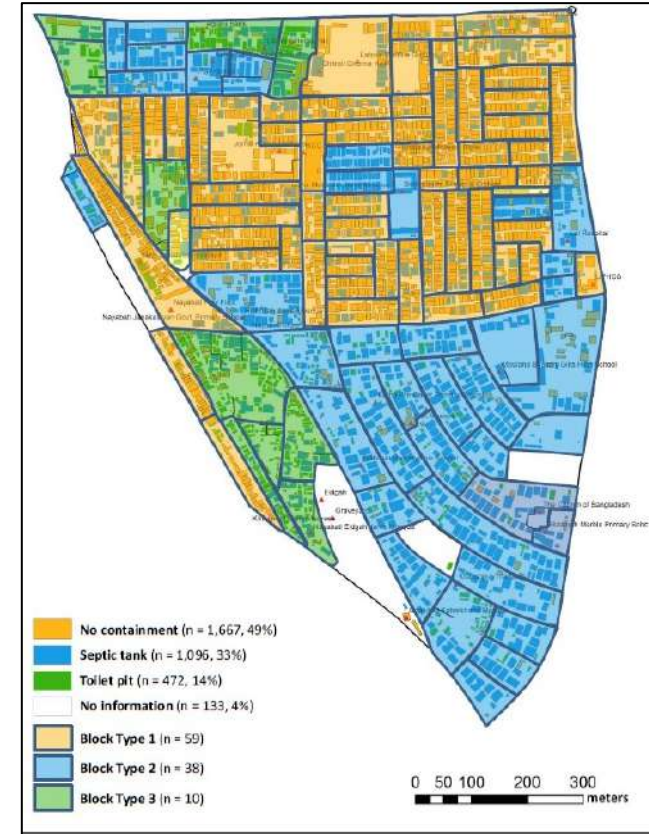
And slums too...



Growing Cities, Growing Sanitation Problems



Khulna City (1.5 million population) toilet coverage 99%



Safely Managed Sanitation- means entire sanitation value chain

How can we build a Water Secure World for All?

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A Water-Secure World for All

SDG 6

Water and other SDGs

*Poverty, Health, Food
Security, Energy, Gender,
Economic Growth, Climate
Change*

How can we build a Water Secure World for All?

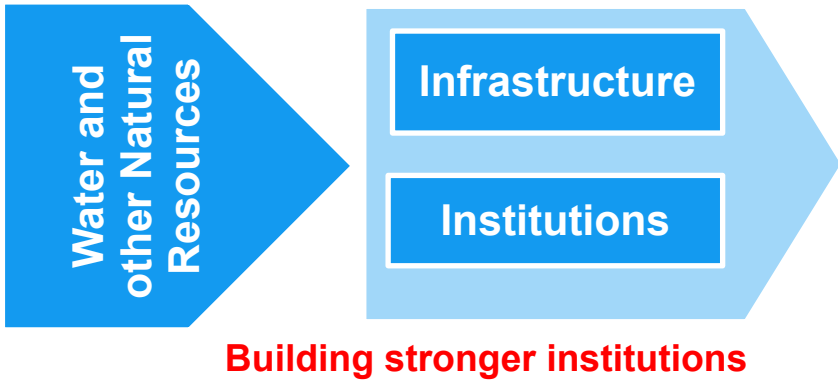
Water and
other Natural
Resources

**A Water-Secure
World for All**

SDG 6

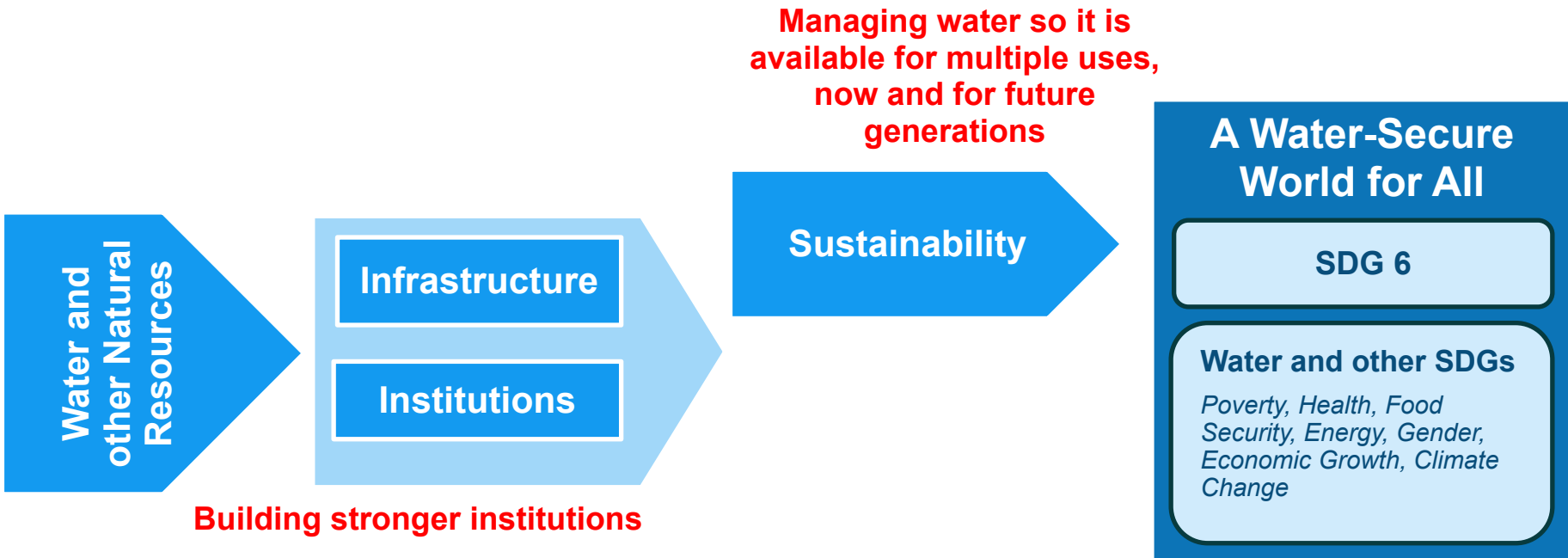
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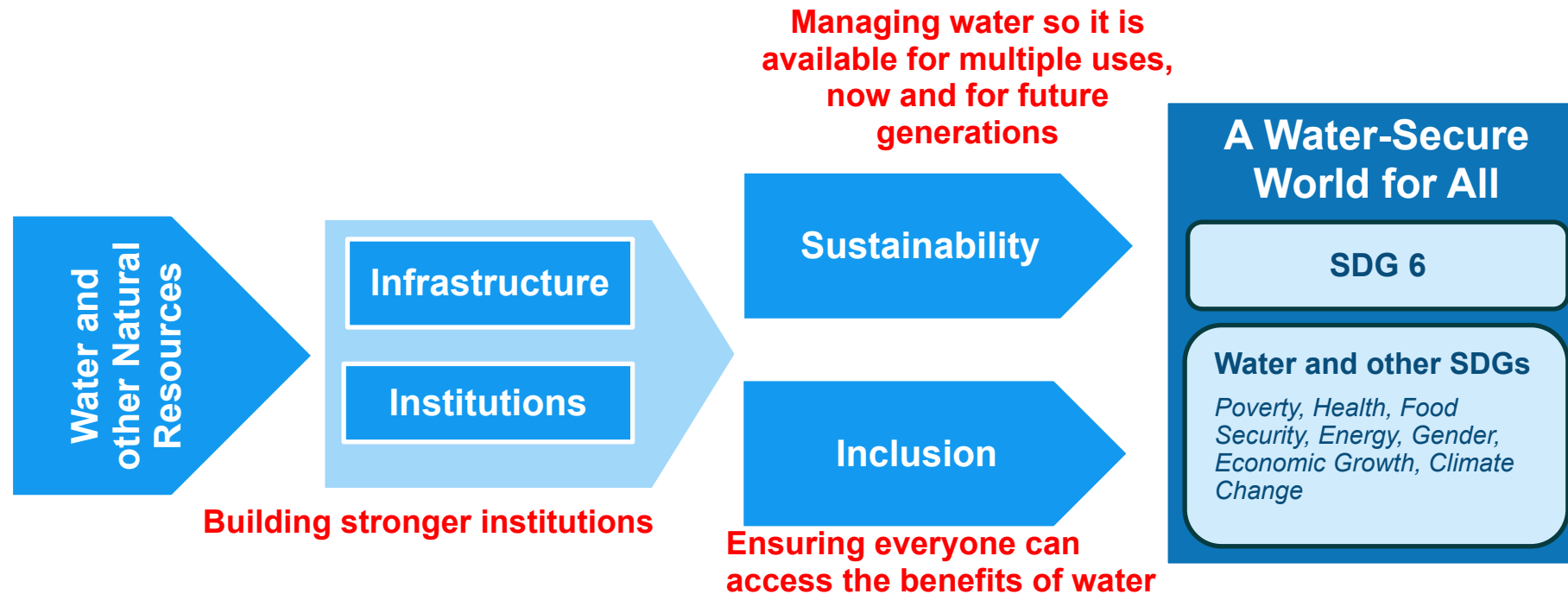


A blue rectangular box with a white border. At the top, it says 'A Water-Secure World for All' in white. Below this is a white rounded rectangle containing 'SDG 6' in blue. Below that is another white rounded rectangle containing the text 'Water and other SDGs' in blue, followed by a list of other SDGs: 'Poverty, Health, Food Security, Energy, Gender, Economic Growth, Climate Change' in a smaller blue font.

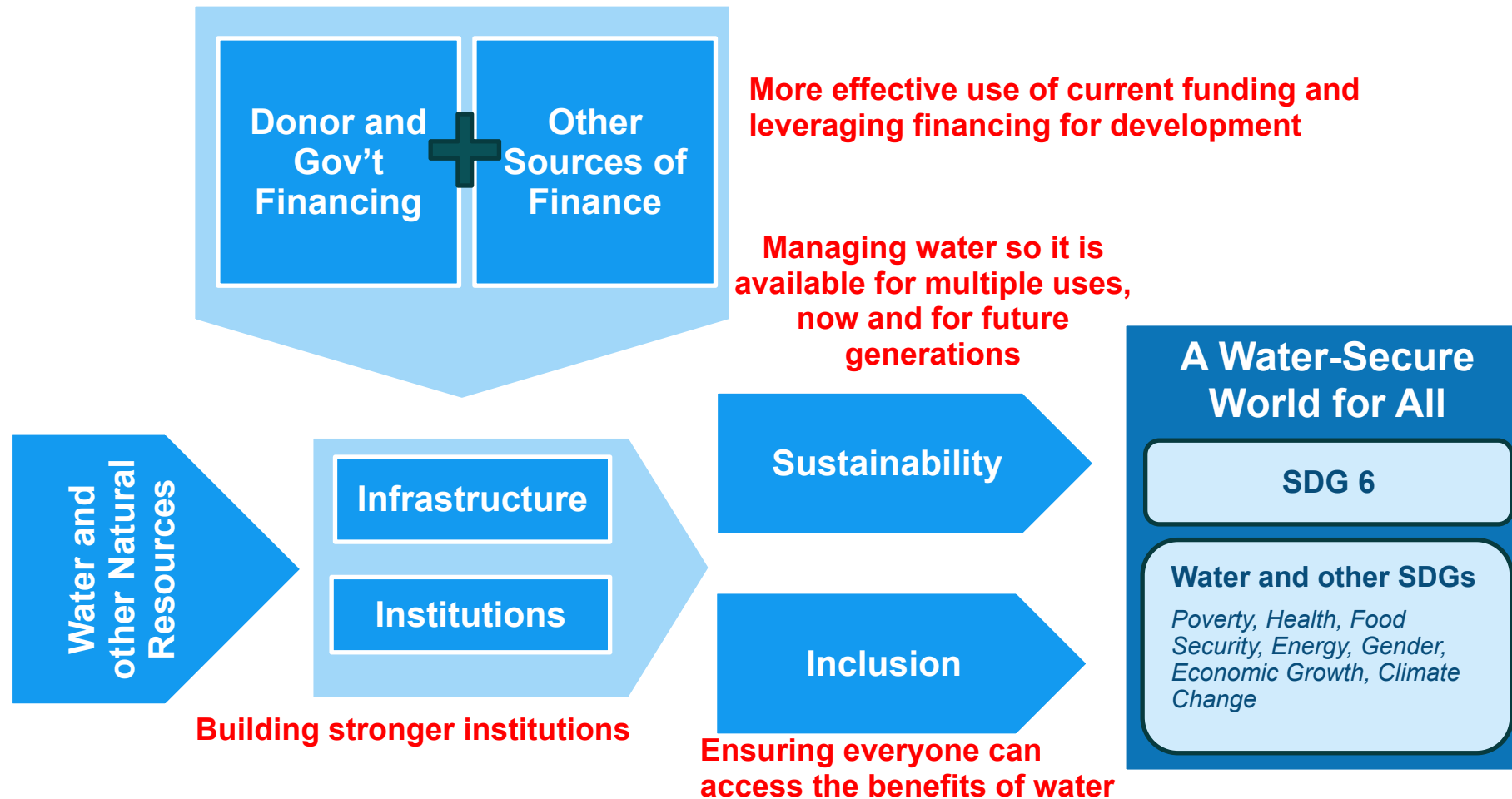
How can we build a Water Secure World for All?



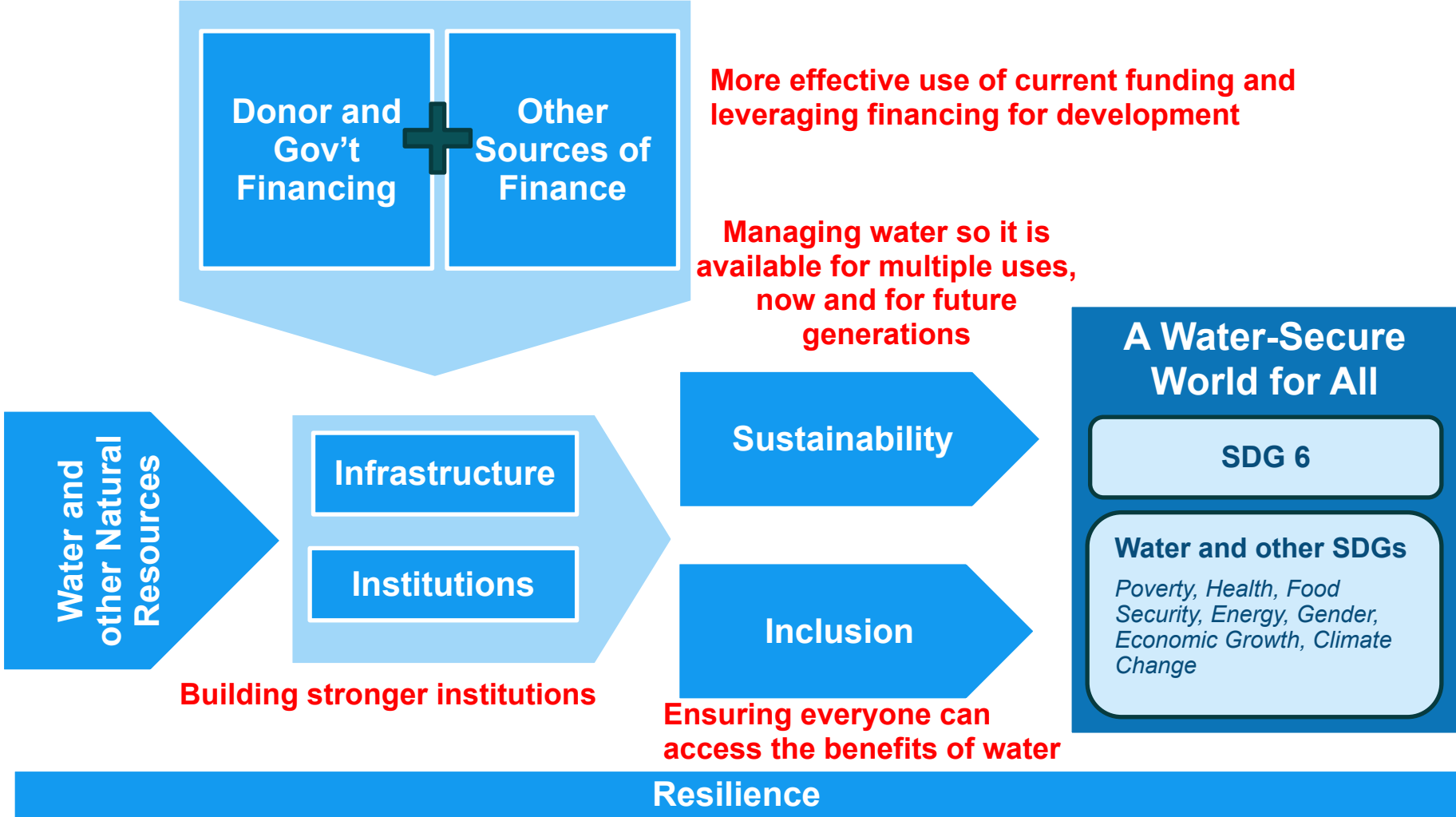
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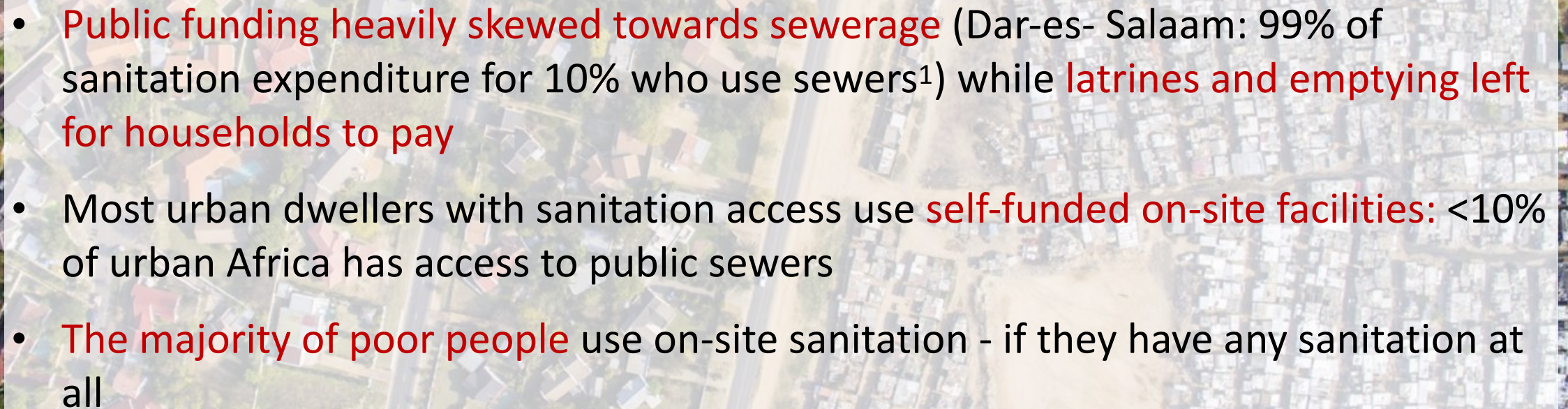


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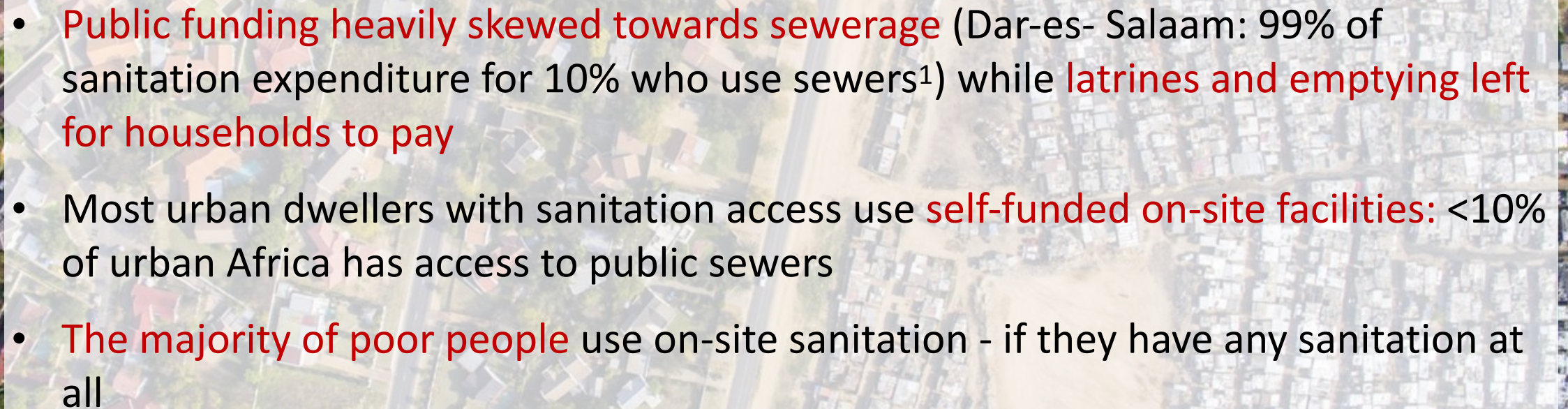


Preparing for and responding to external shocks

Current policies and practice are inequitable: the poor are the least served

- 
- **Public funding heavily skewed towards sewerage** (Dar-es- Salaam: 99% of sanitation expenditure for 10% who use sewers¹) while **latrines and emptying left for households to pay**
 - Most urban dwellers with sanitation access use **self-funded on-site facilities**: <10% of urban Africa has access to public sewers
 - **The majority of poor people** use on-site sanitation - if they have any sanitation at all

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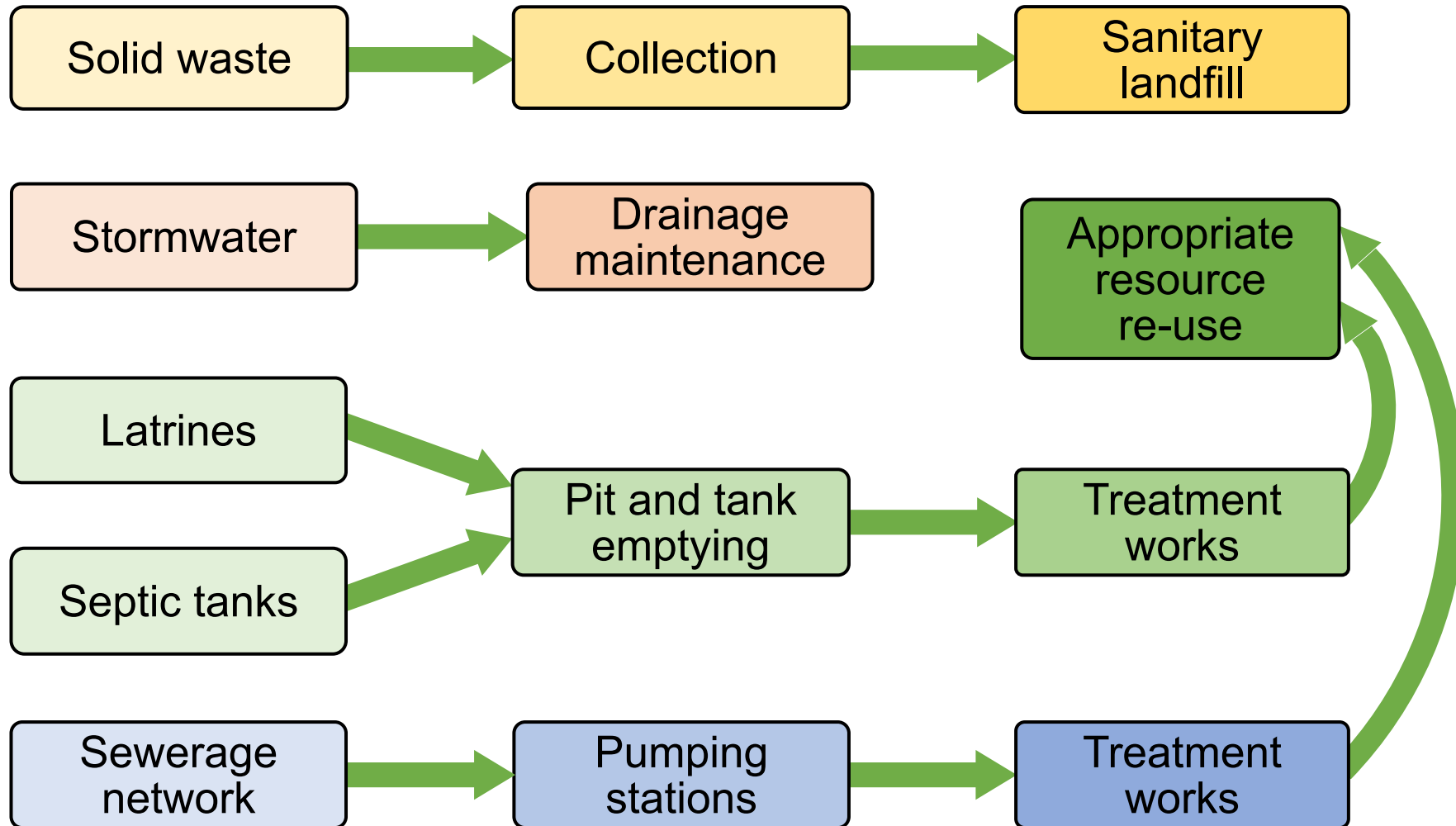
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Community Based Sanitation Solutions

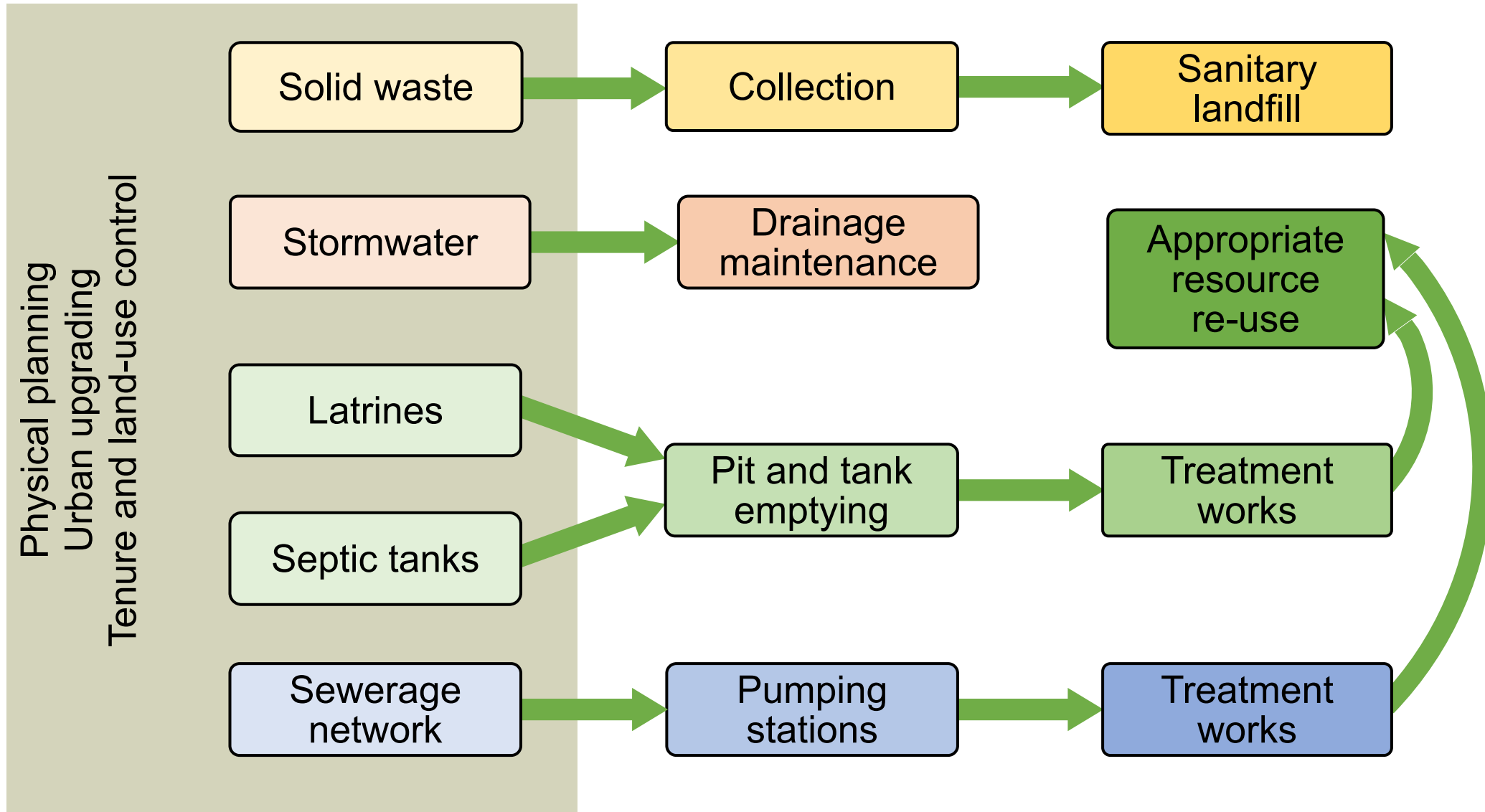


Need for INTEGRATED Urban Sanitary Services

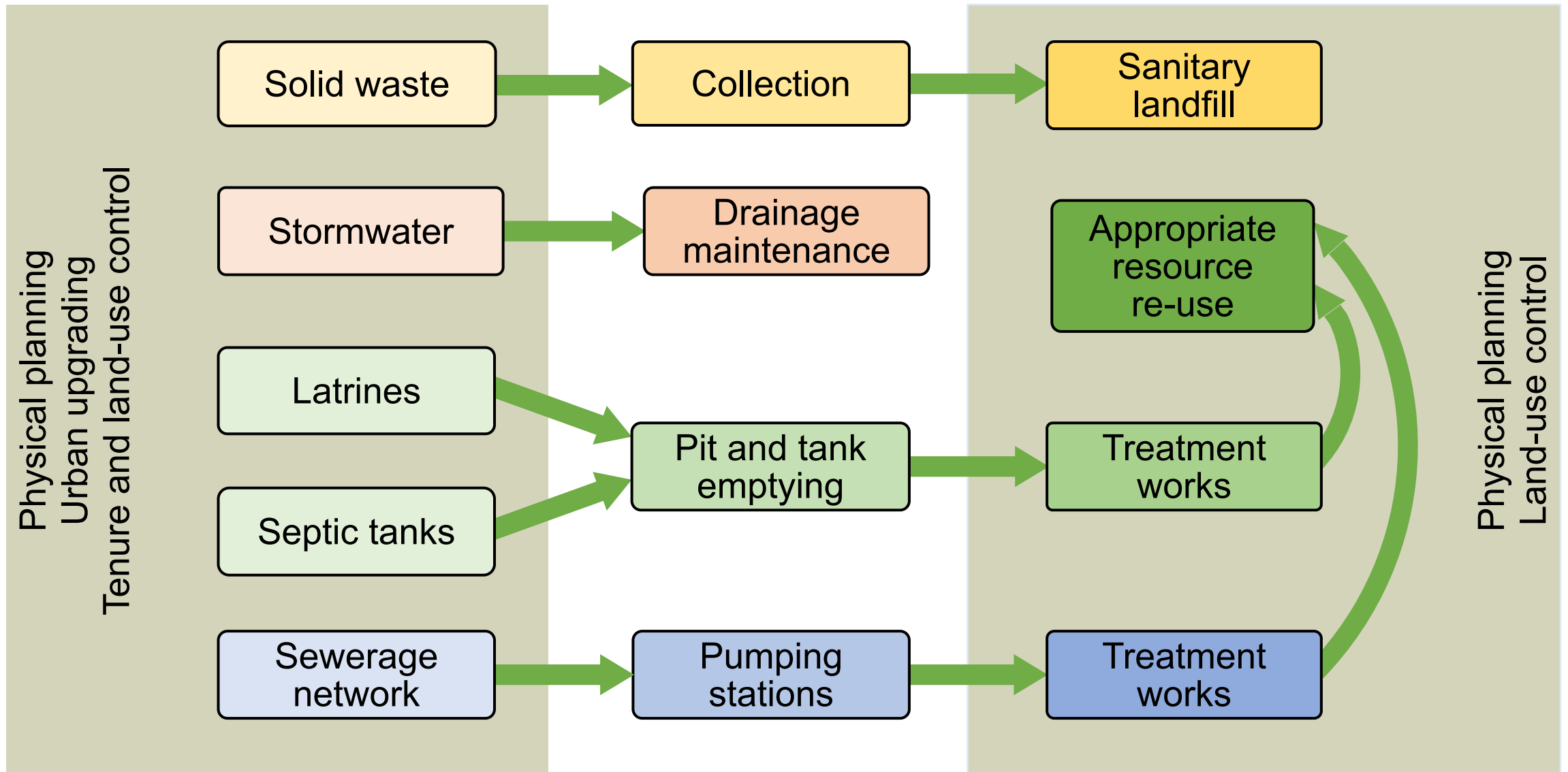
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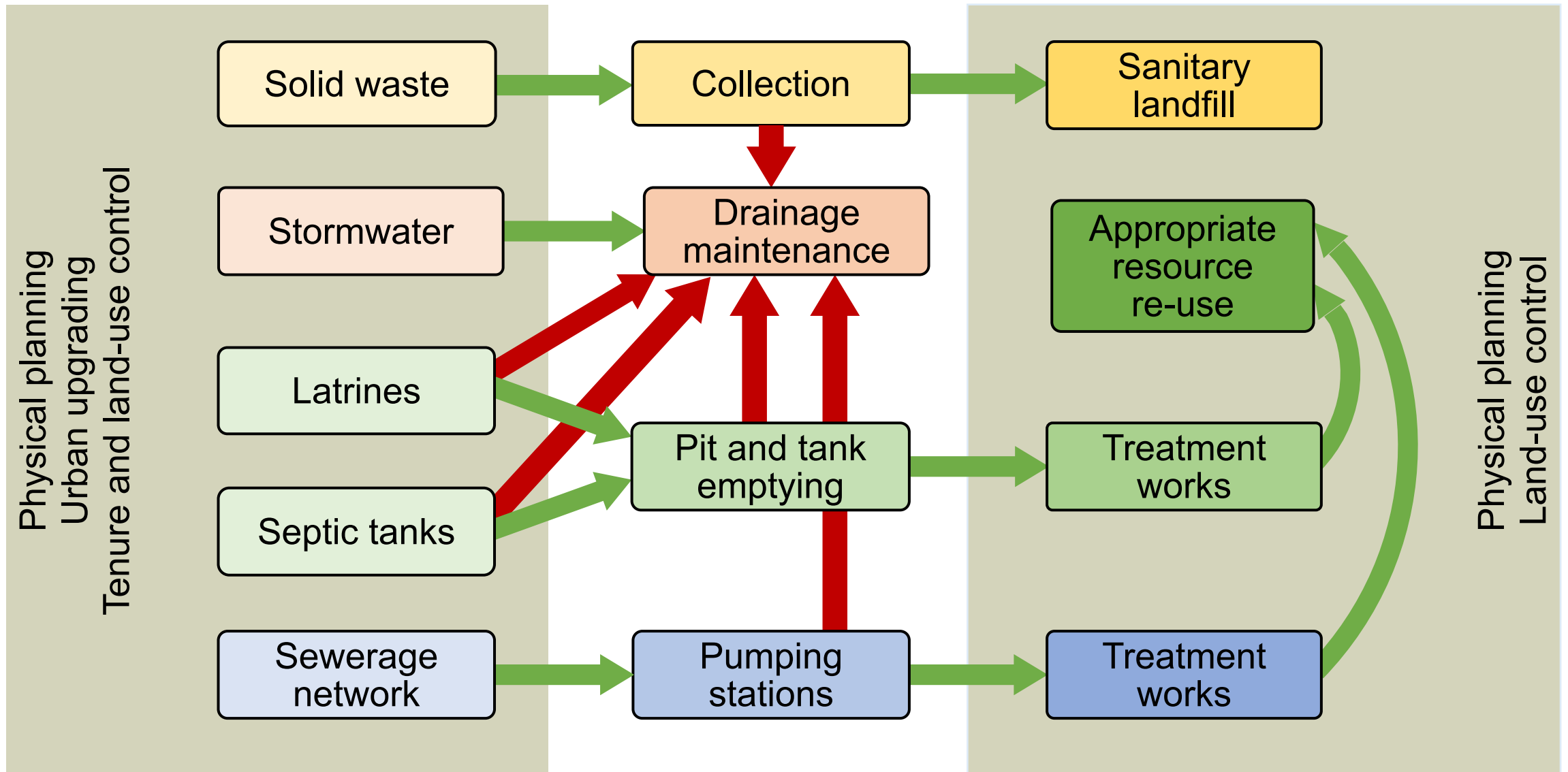
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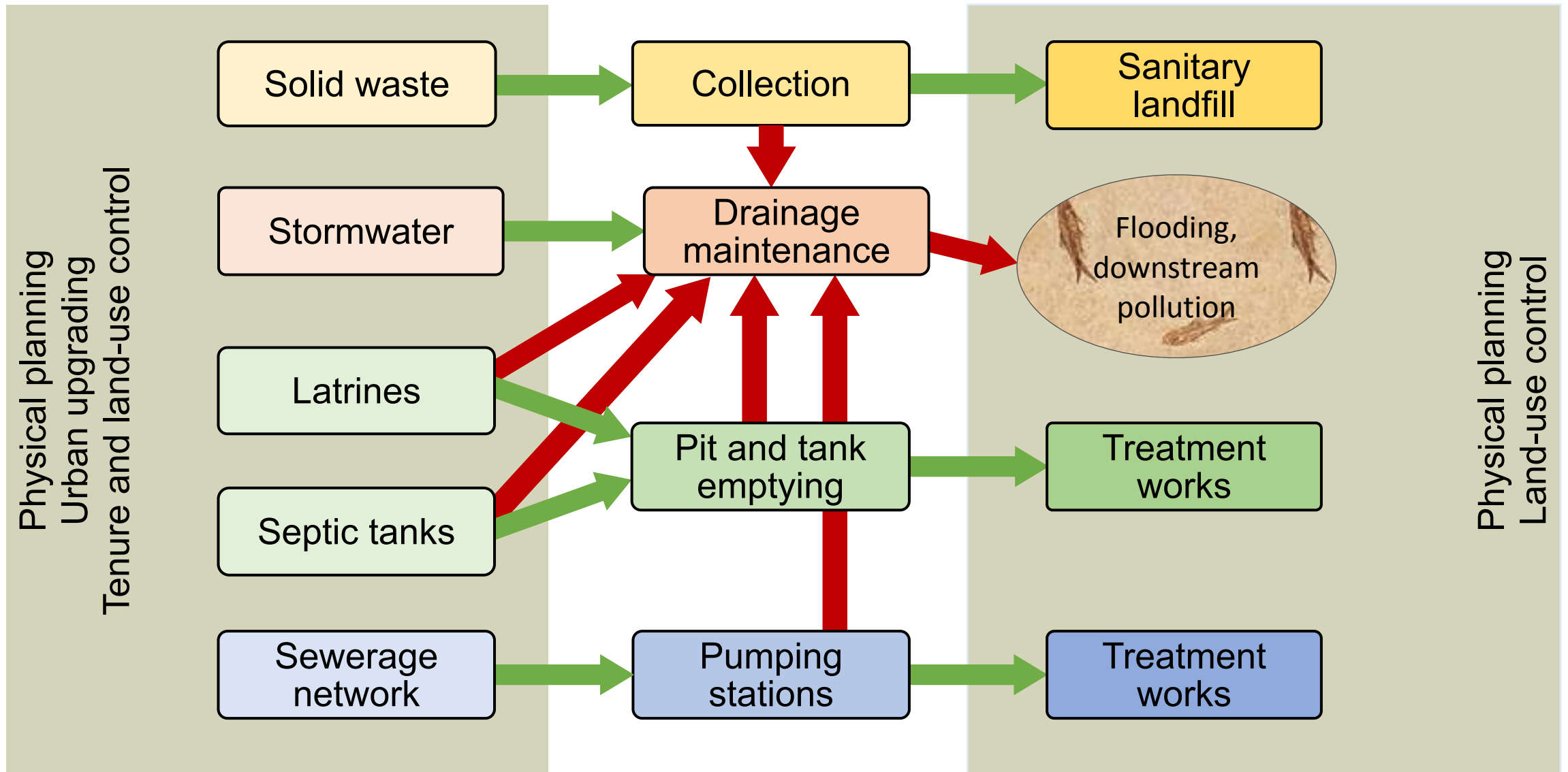
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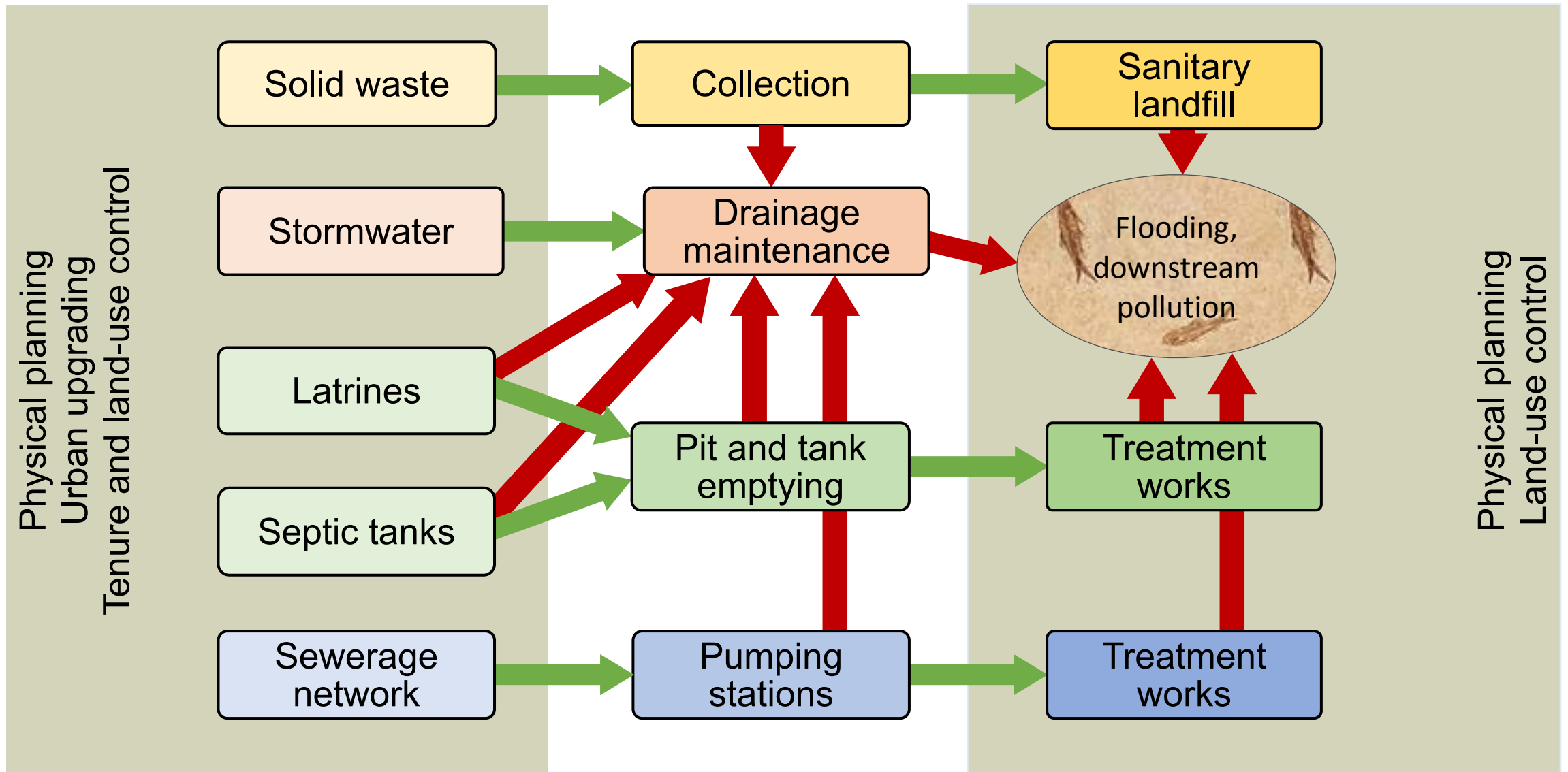
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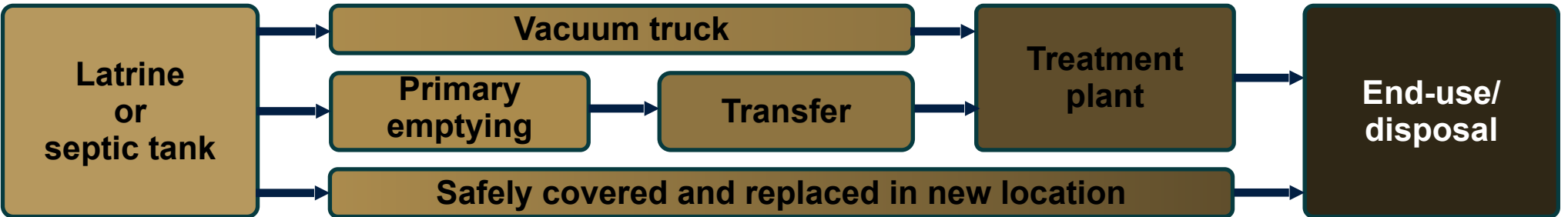
The NEW URBAN SANITATION AGENDA



Condominial, simplified or conventional networks

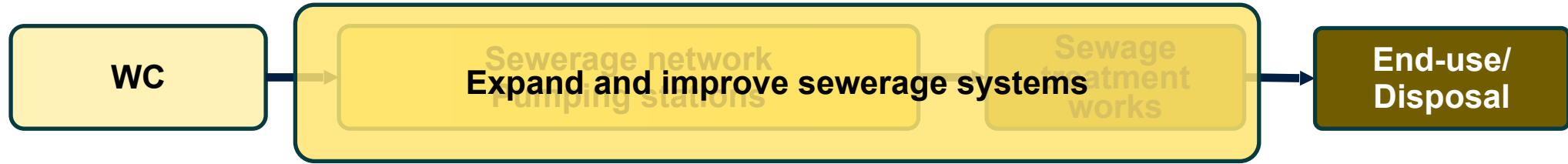


Non-networked systems

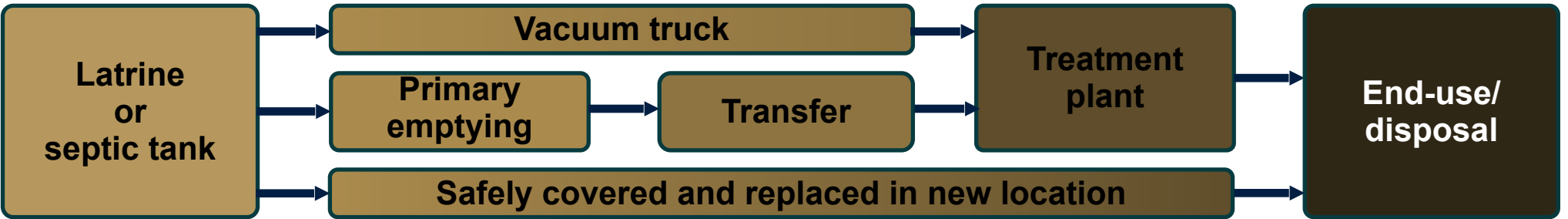




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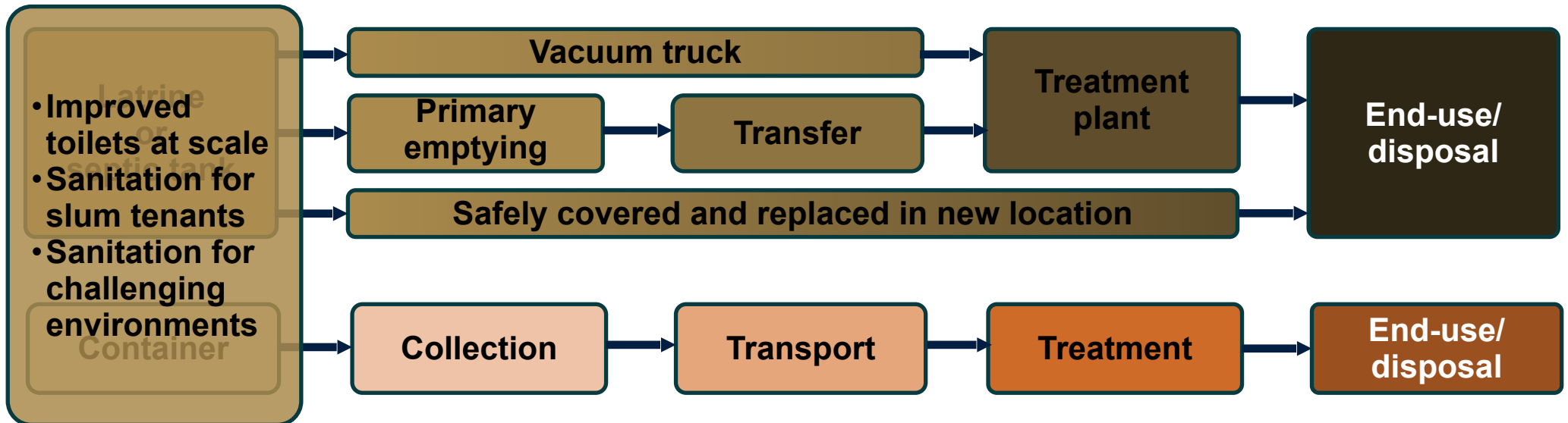




Condominial, simplified or conventional networks

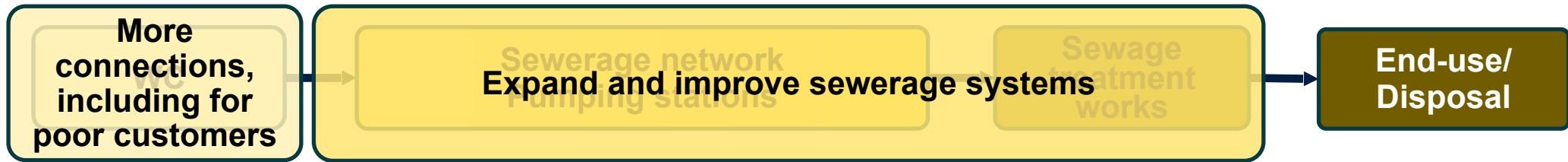


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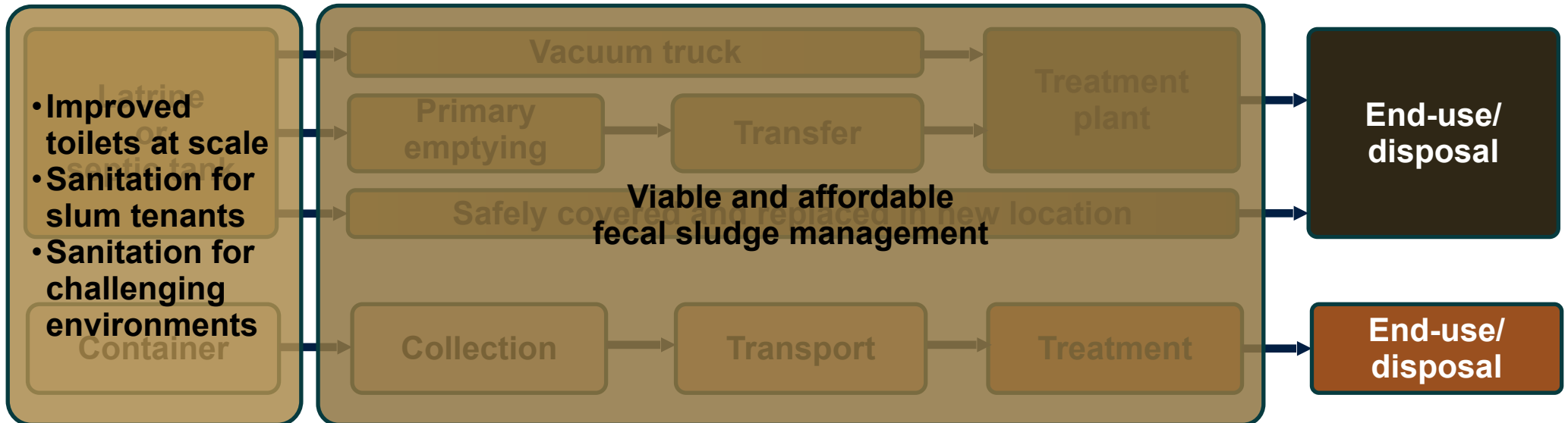




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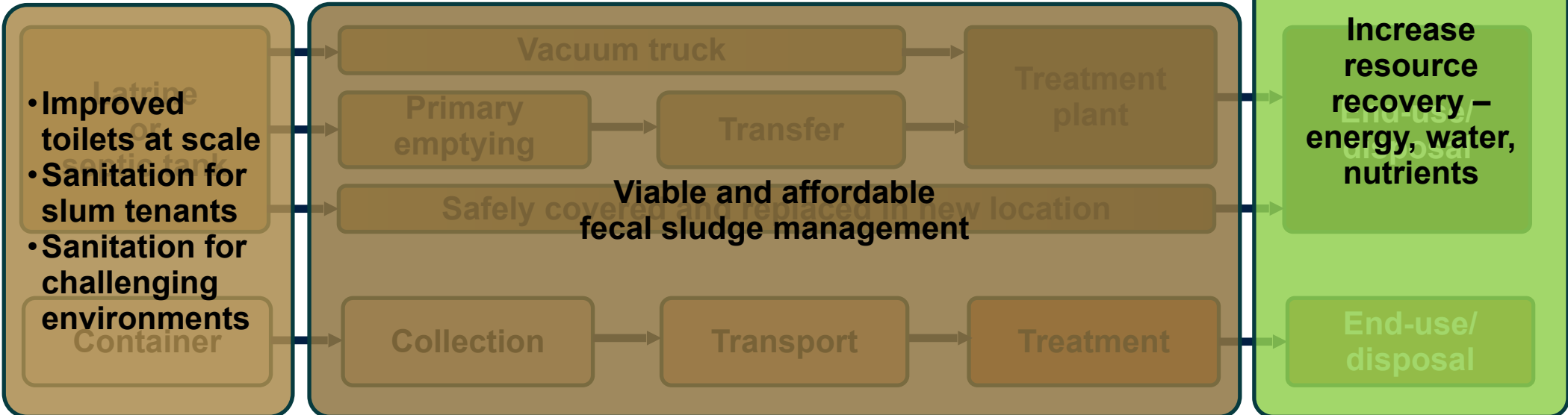
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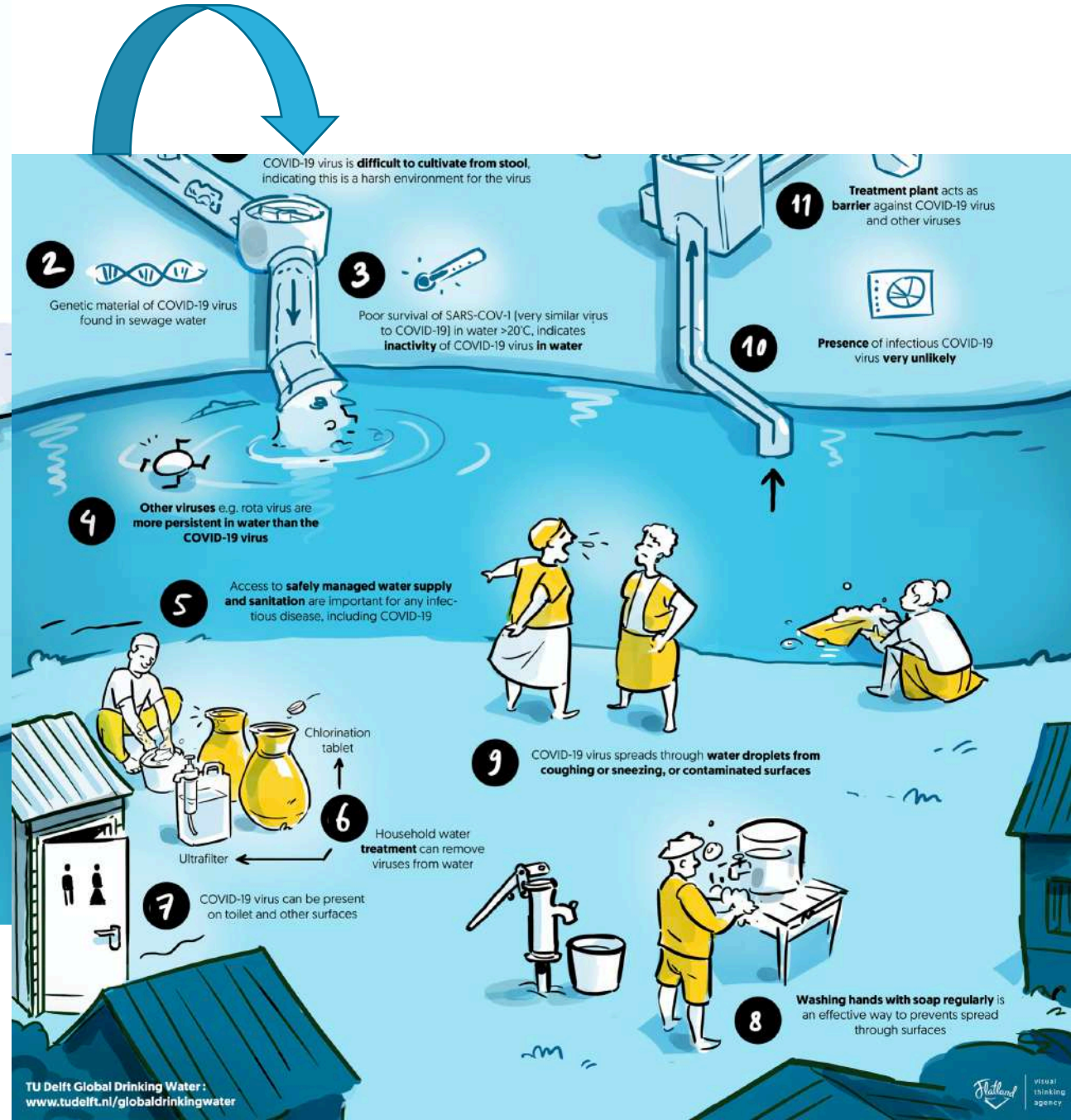
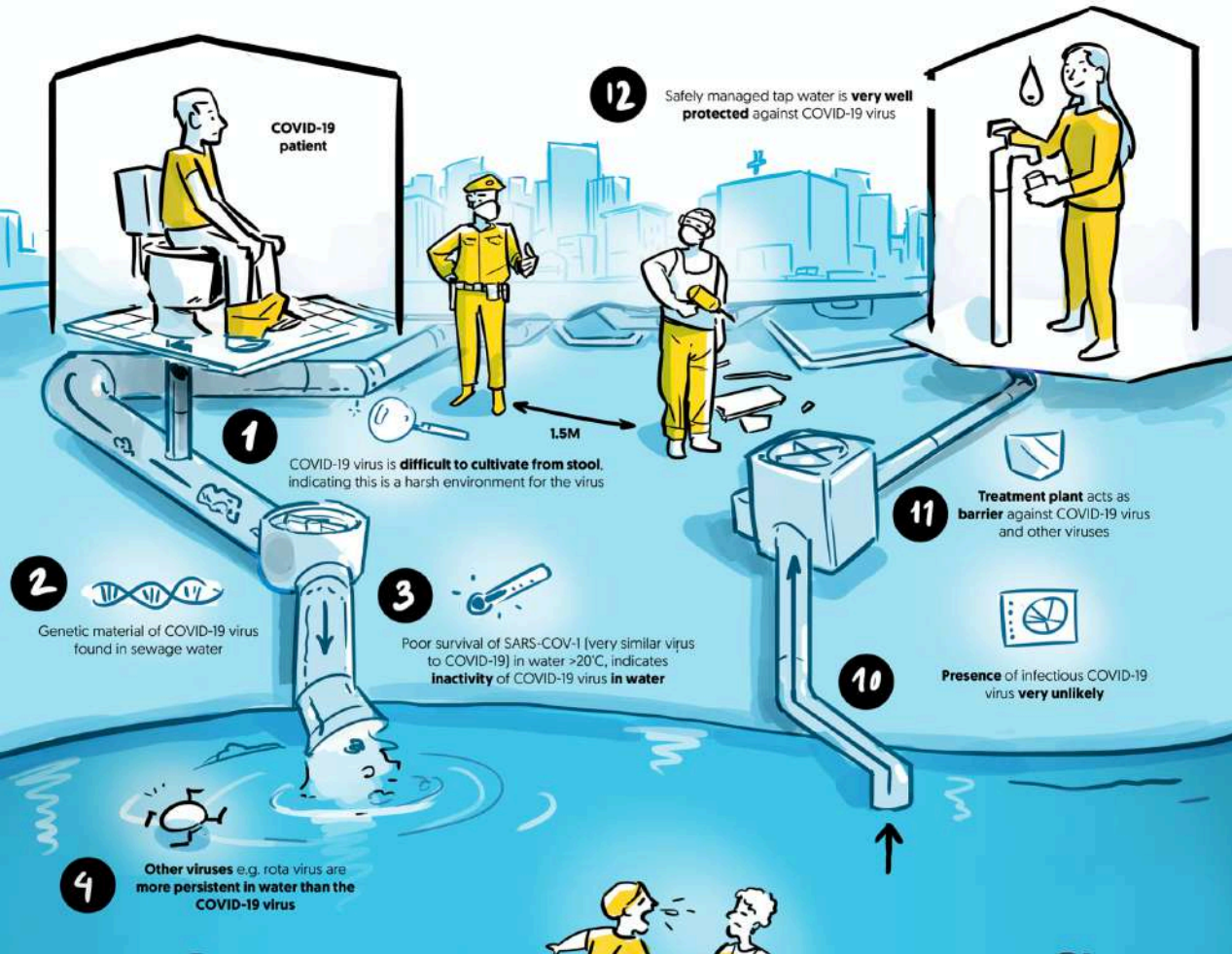


Lessons Learned

- Investing in sanitation systems
 - = strengthening people's resilience & capacity for cc-adaption
- Systems perspective goes beyond collection, treatment & reuse!
- Select systems that can operate energy neutral
- Recover & reuse water, energy & nutrients
- Protect ground- & surface water resources

12 FACTS ABOUT COVID-19 VIRUS IN WATER

The importance of water access and hygiene in times of crisis



References/Resources:

- [Faecal Sludge Management Alliance](#) with the [FSM Toolbox](#) and the upcoming [FSM6 Conference](#) in Jakarta 2021 – Do Join!
- [Sustainable Sanitation Alliance](#)'s fact sheet on [„Opportunities for sustainable sanitation in climate action“](#)
- Water Currents on [City Wide Inclusive Sanitation](#) by Globalwaters.org
- Dutch Water Sector: [„All you wanted to know about Covid sars-2 in waste water“](#)
- [Q&A on COVID-19 Sewage Surveillance](#) by the Dutch KWR Watercycle Research Institute

Happening Today – World Toilet Day 2020!

- World Toilet Organisation's Song of the day by Indonesian Rapper Saykoji: [„Talking Sh*t“](#)
- WHO Report: [State of the World's Sanitation](#)
- Water Research Commission, South Africa: [A breakthrough in Covid-19 wastewater checks could speed up tests for informal settlements and here](#) and [Webinar on the Launch of CLEAR TOILET at TSHOLETSEGA PRIMARY SCHOOL](#)
- Oxford Policy Management: [Webinar on Toilet Use Habit in rural India – what does it take to sustain them?](#)
- Practical Action Kenya: [Putting sanitation at the heart of green recovery](#)
- Eastern and Southern African Water and Sanitation (ESAWAS) Regulators Association: [Webinar on Effectiveness of WASH-based measures taken in the fight against COVID-19 and their impact on the performance of the sector](#)
- [New O&M App](#) launched by GIZ's „Fit For School“ Programme
- Australian Institute of International Affairs: [„Sanitation is a 4-Ply Issue“](#) plus [podcast](#)
- Council on Foreign Relations' podcast with UNICEF: [„Let's Talk About Toilets“](#)
- TUV SUD diving into the clauses of ISO 30500 outlining the requirements for a non-sewered sanitation system - in french: [„Approfondissement de la norme ISO 30500“](#)
- WaterAid launching the report ["Living in a fragile world: the impact of climate change on the sanitation crisis"](#) in three languages



Celebrating 10 Years: FSM Heroes- Past, Present and Future

6th International Faecal Sludge Management Conference