First International Conference organized within the framework of PolyUrbanWaters Research and Project Network (BMBF 2019-2025)

POLYURBAN VVATERS

Polycentric management of urban waters in fast-growing cities and peri-urban areas in Southeast Asia

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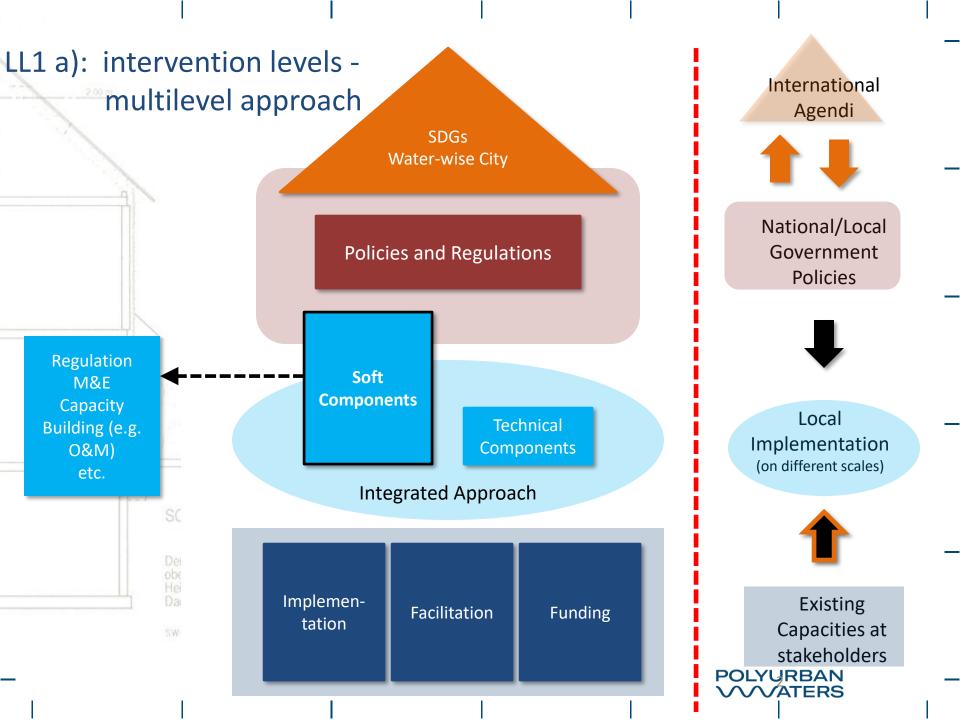
24-25th
March 2021

Online /
Berlin / Kratie /
Sleman / Vientiane

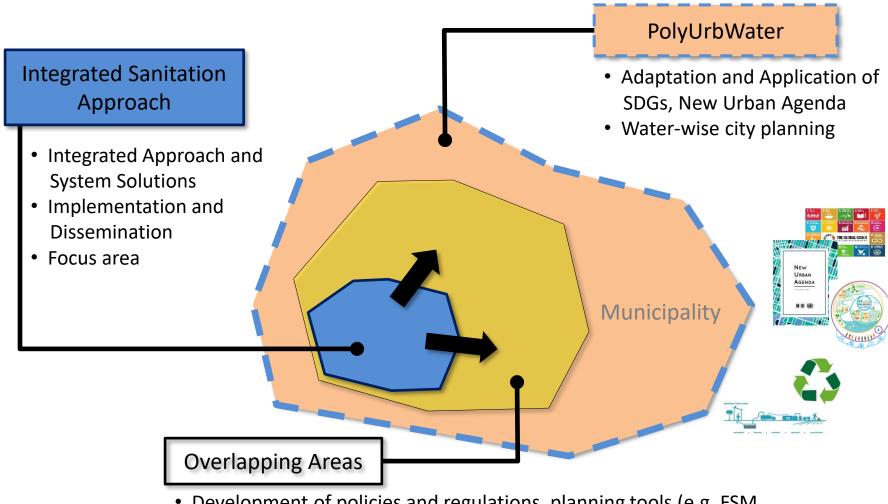
KEYNOTE SESSION

Urban Water Resources in the World and in Southeast Asia

Institutional challenges for polycentric approaches for urban water management in Southeast Asia



LL1 b): Paving the path for polycentric approaches From local implementations via Integrated Sanitation

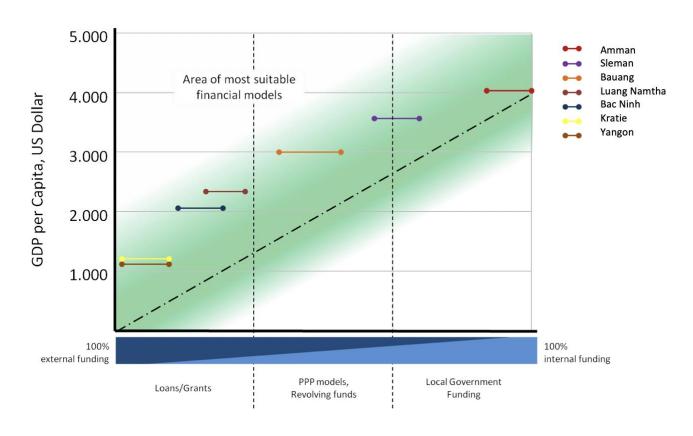


- Development of policies and regulations, planning tools (e.g. FSM, urban development, Solid Waste Management etc.)
- Administrative areas

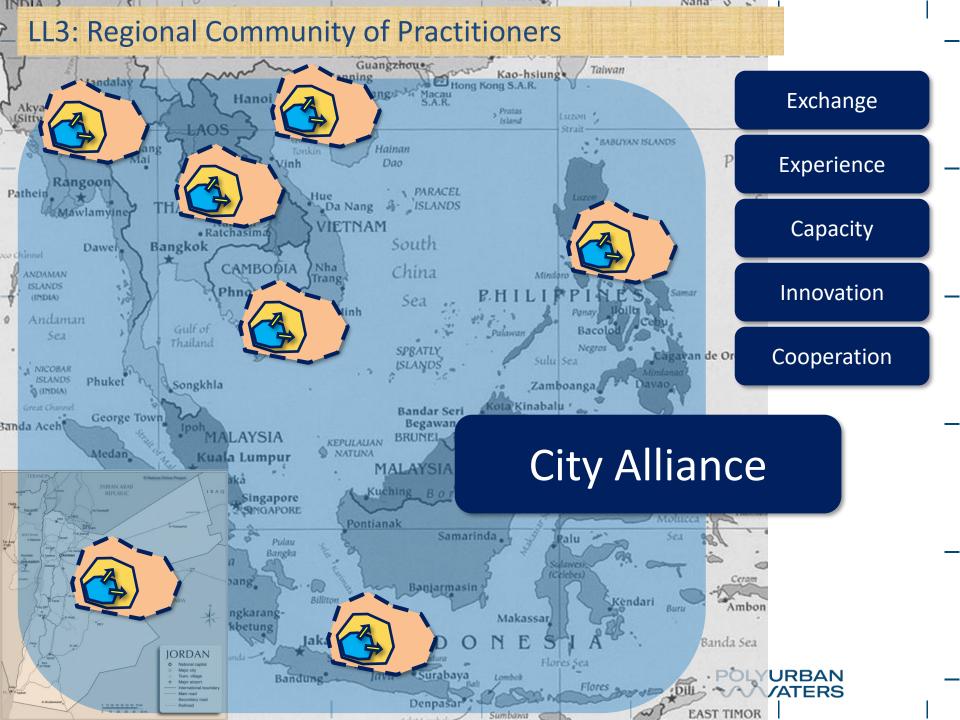


LL2: Funding Considerations

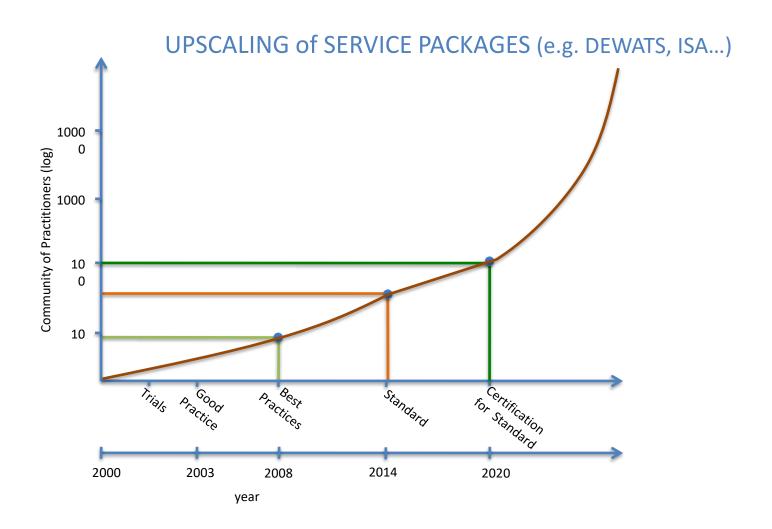
GDP related Financing Schemes







LL4: From Best Practices to Standards and QMS



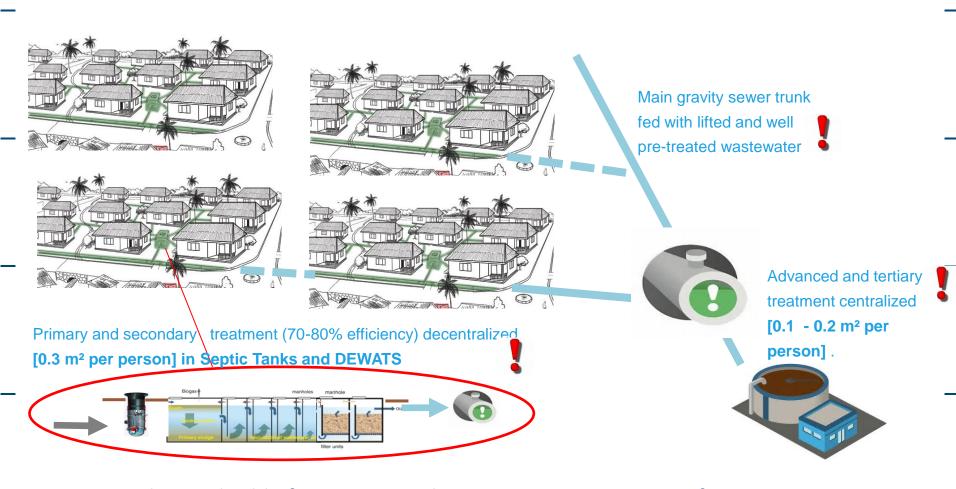
LL5: A call for progressive implementation

- All future wastewater treatment schemes must meet legal discharge standards, defined within the legislation of almost all countries.
- Those standards, however, are rarely met (up to 90 per cent...).
- <u>Too often</u>, standards <u>thereby achieve adverse effects</u>, as they are considered unrealistic and any cost efficient intervention, improving the current situation but not meeting the discharge standard, would legally threaten its initiator.
- the principle of "progressive implementation" as part and parcel of the indicator and monitoring structure, allowing for a progressive treatment performance with a **phased approach** over the next 15 years, needs to be reflected in regulatory framework





LL5: Example ISA: Progressively connecting ISA Clusters to larger service areas at later stage



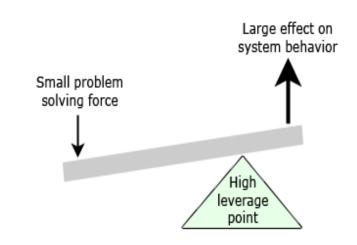
Also applicable for Progressively Increasing Treatment performance



LL6: Leveraging policy entry points Co-beneficiary attitude within LG and other stakeholders

Small Actions can yield large results:

A "leverage point" is a place in a system where a large change towards desired behavior or results can be accomplished by applying relatively few resources.





(Picture source: http://thwink.org/sustain/glossary/LeveragePoint.gif)



SDGs Results Dynamic & Execution

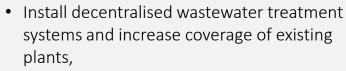
The blue circle illustrates interlinkages of SDGs' result indicators pertinent for Sleman. The centre of the circle illustrates the priorities and the aimed results. The circular layers surround it exemplifies leverage of multiple results for achieving prioritised results.

The execution boxes demonstrate the city government's intervention to achieve the aimed results within 2019 – 2030.

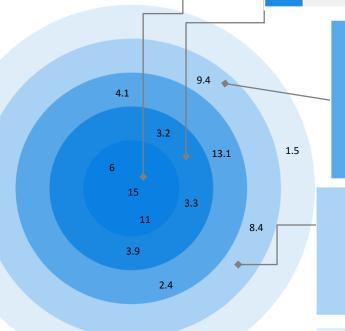
The results dynamics and execution boxes are strategic references for annual city planning and budgeting.

 Water safety plan and implementation of water resources protection zones,

• Provision of affordable settlements through partnership with the private sectors and housing developers.



- Perform citywide faecal sludge management,
- Increase households' coverage of centralised wastewater treatment.



- Develop incentives for housing developers that fulfil the requirements specified in the minimum standard for housing facilities and infrastructures.
- Develop public-private partnership scheme for provision of facilities and urban infrastructure, in particular for waste treatment and tap water supply.
- In-house management training for hospitals and other small and medium enterprises in performing Operation & Maintenance, water source consumption, chemical segregation, behavior change, etc.
- Perform Health Impact Evaluation (HIE) for community-based and school sanitation.
- Improve capacity of community based organisations and operators in performing operation and maintenance of existing DEWATS.



SUSTAINABLE



13.1





Key messages

Approaches to pave the road for polycentric approaches related to urban wastewater management:

- Start with small, scalable and appropriate, modular, standardized interventions towards integrated approaches, Informed choice (LL1)
- At the same time facilitate the development of the enabling framework (including, HR, legislation, co-production schemes, technology development (LL1)
- Consider GDP when choosing technologies and financing options for water related services (LL2)
- Enabling of a community of practitioners at local, national and regional level (LL3)
- Enabling the development of standards during upscaling as "pilots" will never serve the purpose (LL4)
- Application principles of progressive implementation (legal framework, global monitoring framework, institutional setup, technology) (LL5)
- Assess and apply leverage points for selecting interventions to achieve improvements of specific SDG's, Co-Benefits (LL6)

