



Presentation from
**2015 World Water
Week in Stockholm**

www.worldwaterweek.org

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Sanitation, Wastewater Management and Water Quality (SDG targets 6.2-6.3)

Implementing the SDGs in the Post-2015 Development Agenda



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Based on work by
Pay Drechsel and team

Finding the right balance



- **Ambitious targets and indicator sets**
- **Priority indicators**
- **Broad indicator definitions leads to complexity**
- **Need for national capacity and buy-in**
- **Global comparability**

Goal 6. Ensure availability and sustainable management of water and sanitation for all

Target 6.2 – *By 2030, achieve access to adequate and equitable sanitation and hygiene for all, and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations.*

Target 6.3 – *By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse.*

Proposed priority indicators

For 6.2: Percentage of population using safely managed sanitation services.

For 6.3: Percentage of wastewater safely treated, disaggregated by economic activity.

<http://unstats.un.org/sdgs/2015/05/29/first-proposed-priority-indicator-list/>

Definition for 6.2 indicator

Population using a basic sanitation facility which is not shared with other households (*current JMP categories for improved sanitation*) and where excreta is safely disposed in situ or transported to a designated place for safe disposal or treatment (*these would be new data beyond the toilet which are limited in developing countries where on-site sanitation systems dominate*).

What happens when the pit is full?

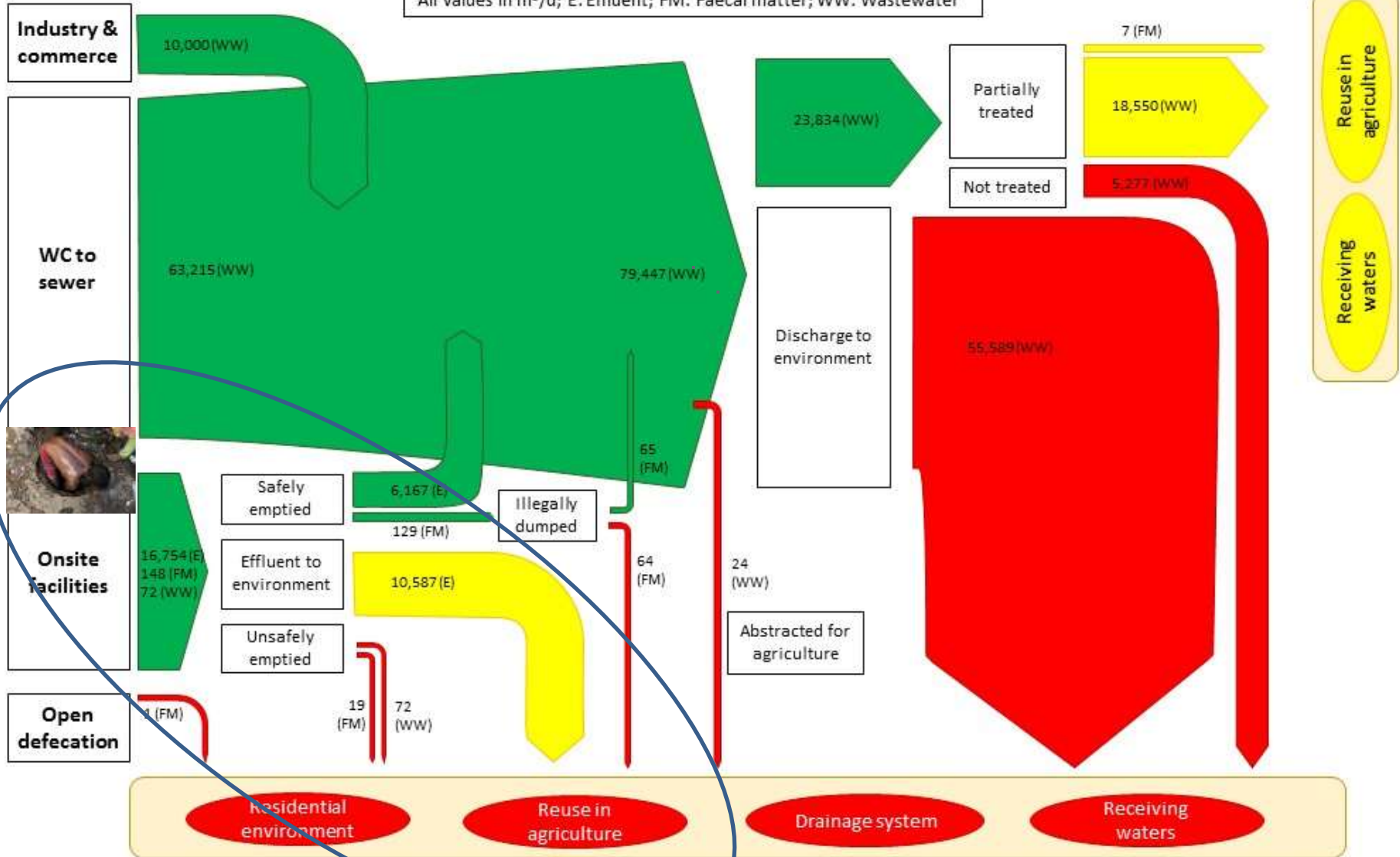


<https://www.flickr.com/photos/sharadaprasad/>

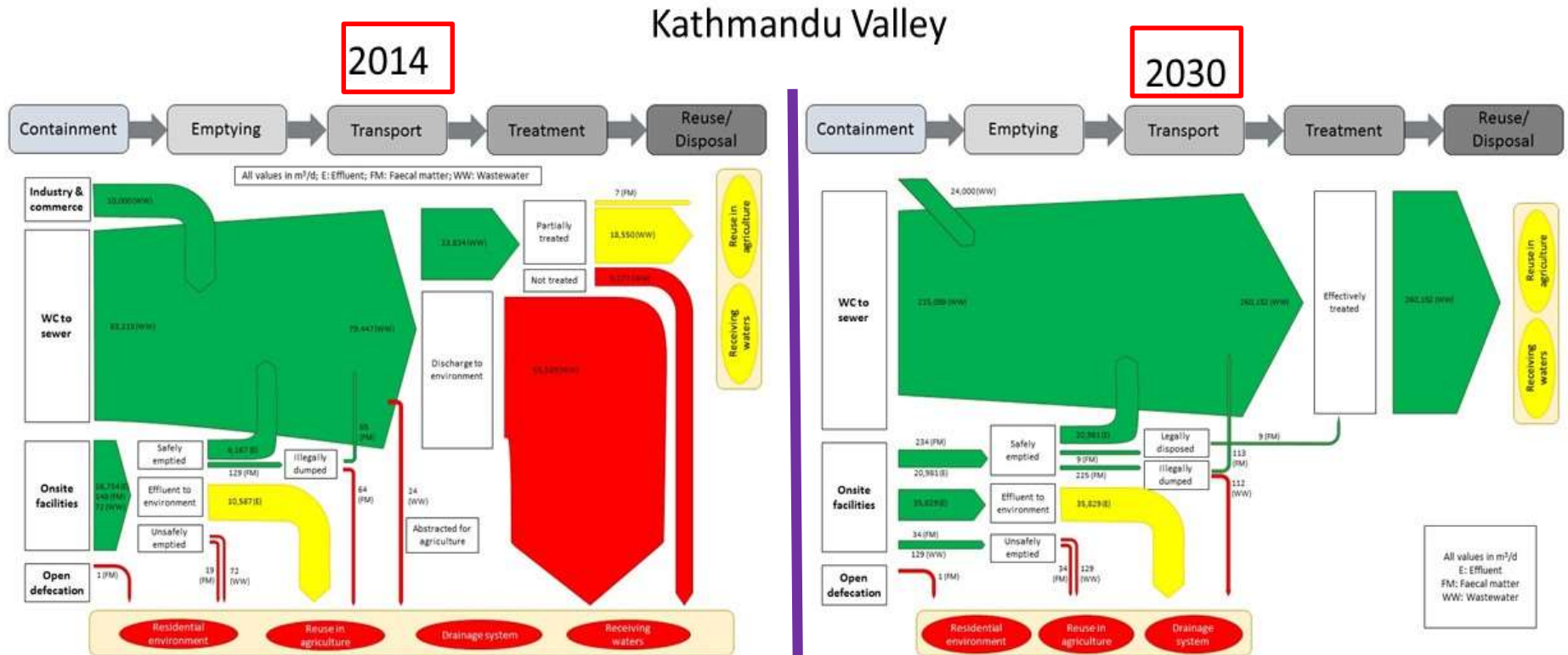
Kathmandu Valley



All values in m³/d; E: Effluent; FM: Faecal matter; WW: Wastewater



If current investment plans work out ...



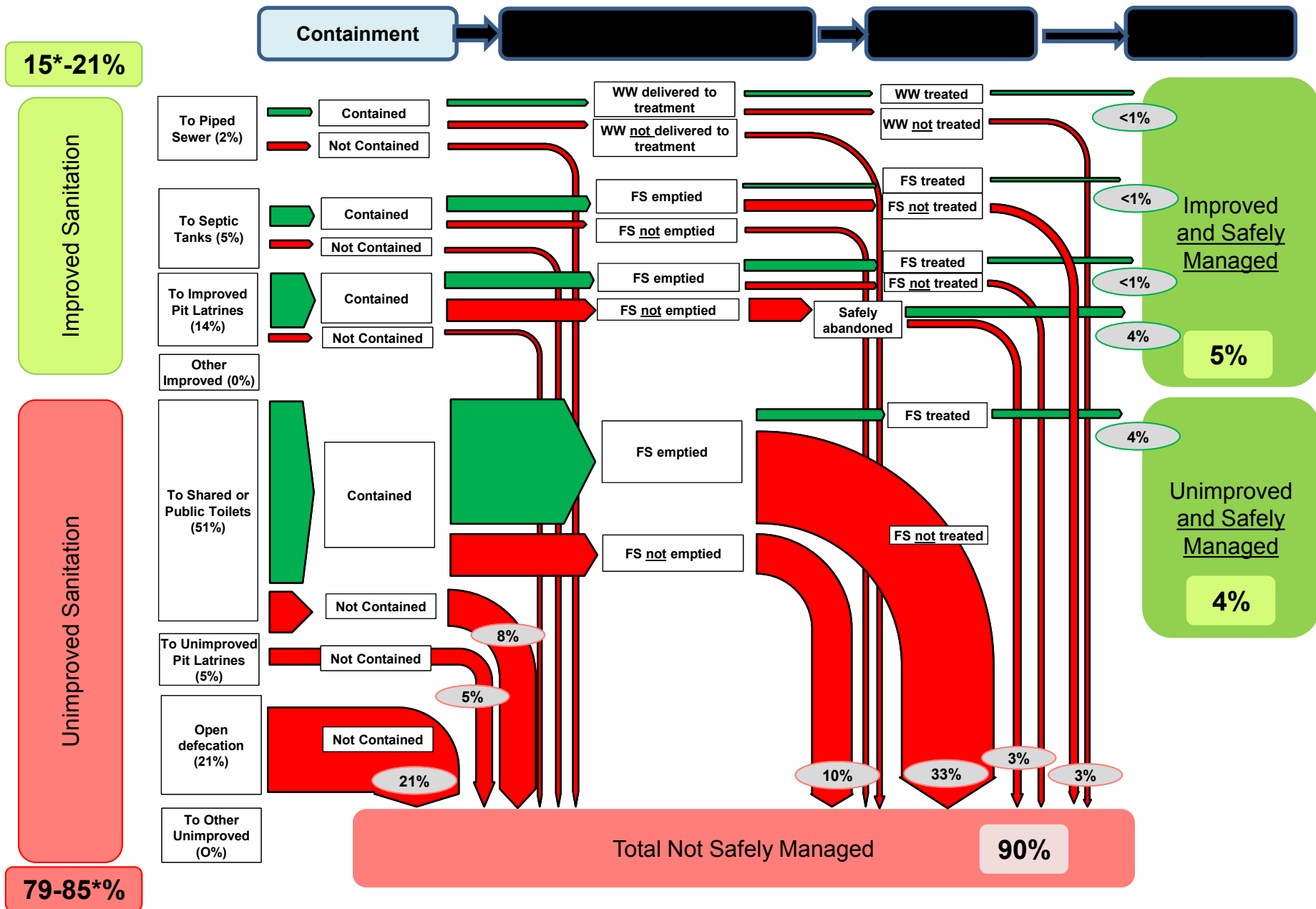
Source: IWMI by Heather Purshouse and Grattan Maslin

SDG 6.2 monitoring

In support of WHO, IWMI is testing the flow assessment methodology at national scale in **low-data environments** of Ghana, Nepal, Peru, Sri Lanka and India.

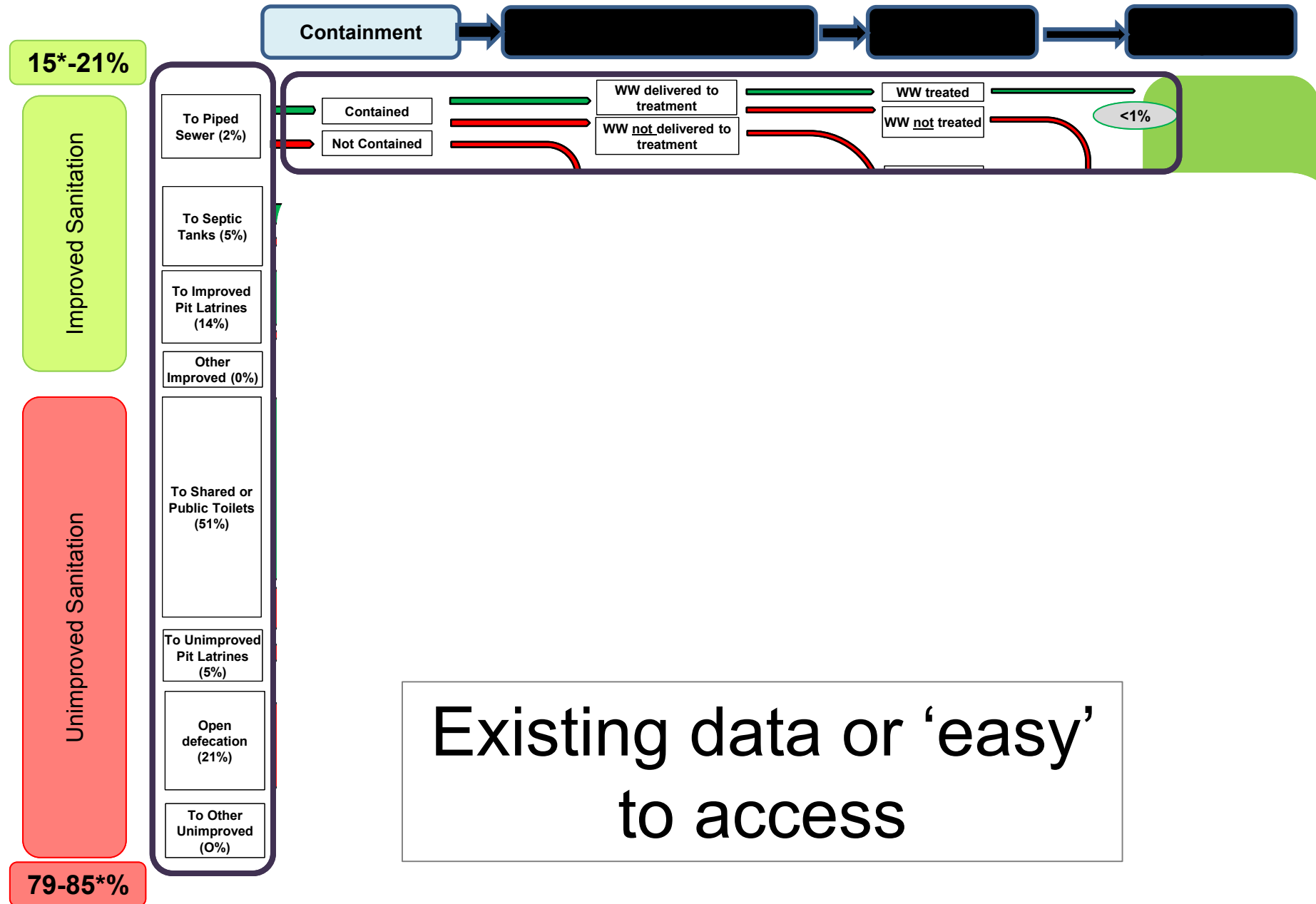
*Thanks to our national offices, Andy Peal
and Luca di Mario.*

Ghana National Assessment

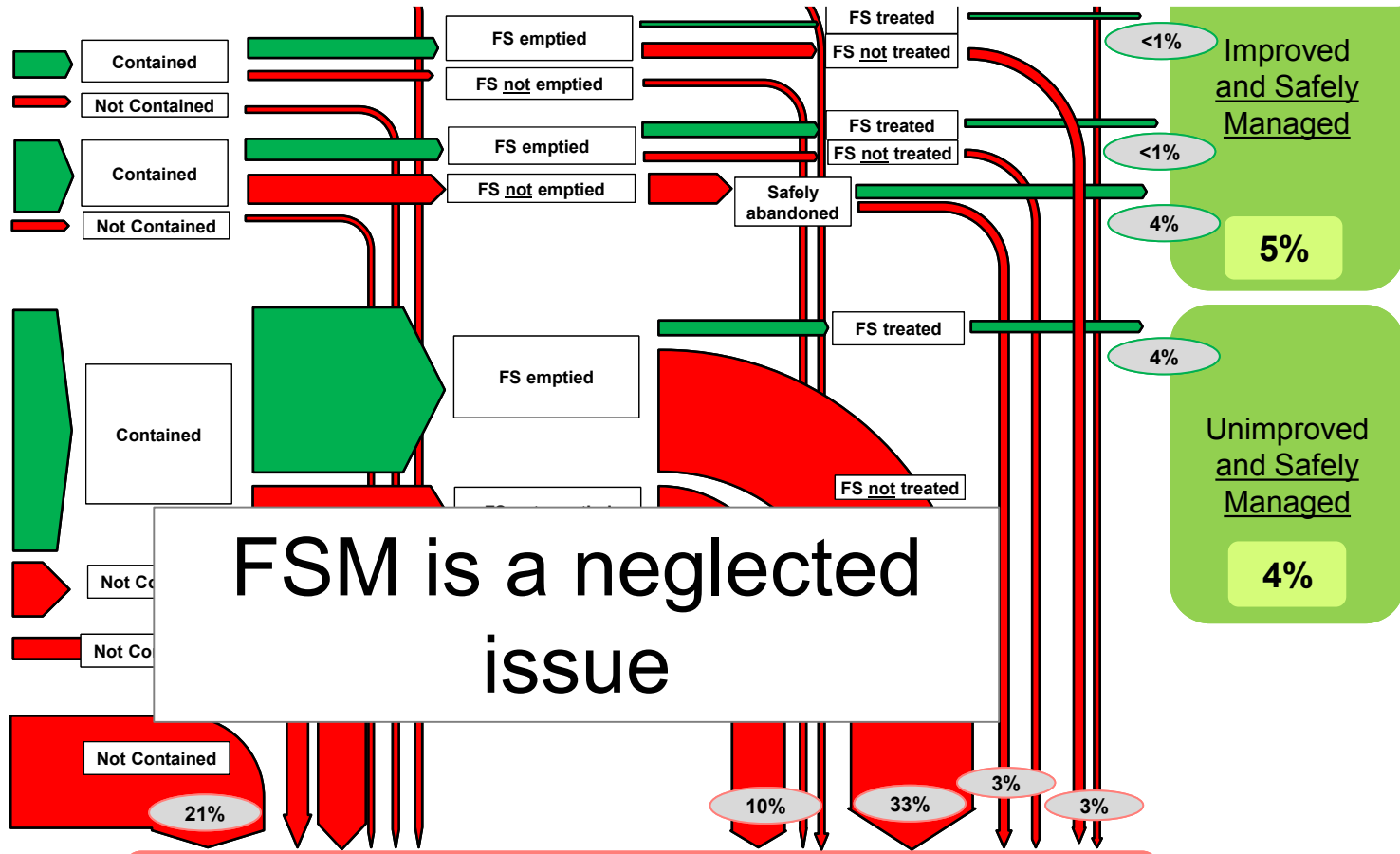


*JMP official projections (maybe slightly different due to definition)

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Existing data or 'easy' to access



Goal 6.3

Target 6.3 – By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the **proportion of untreated wastewater** and substantially increasing recycling and safe reuse globally.

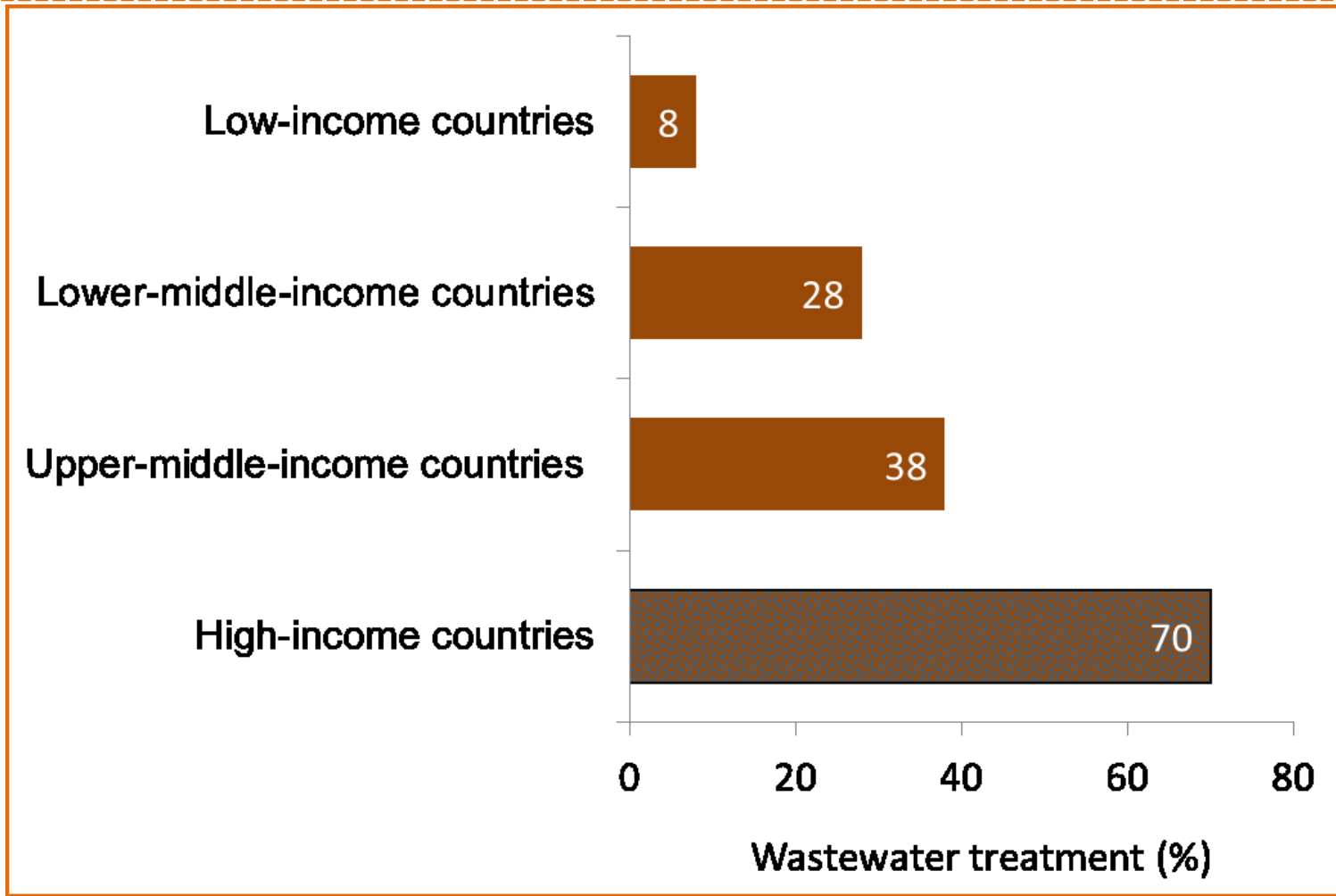
Indicator for 6.3: Percentage of wastewater safely treated, dis-aggregated by economic activity

But. what about 'recycling and reuse' aspect and therefore environmental health?

Irrigation with partially or untreated wastewater continues on 6 to 20 million of hectares worldwide



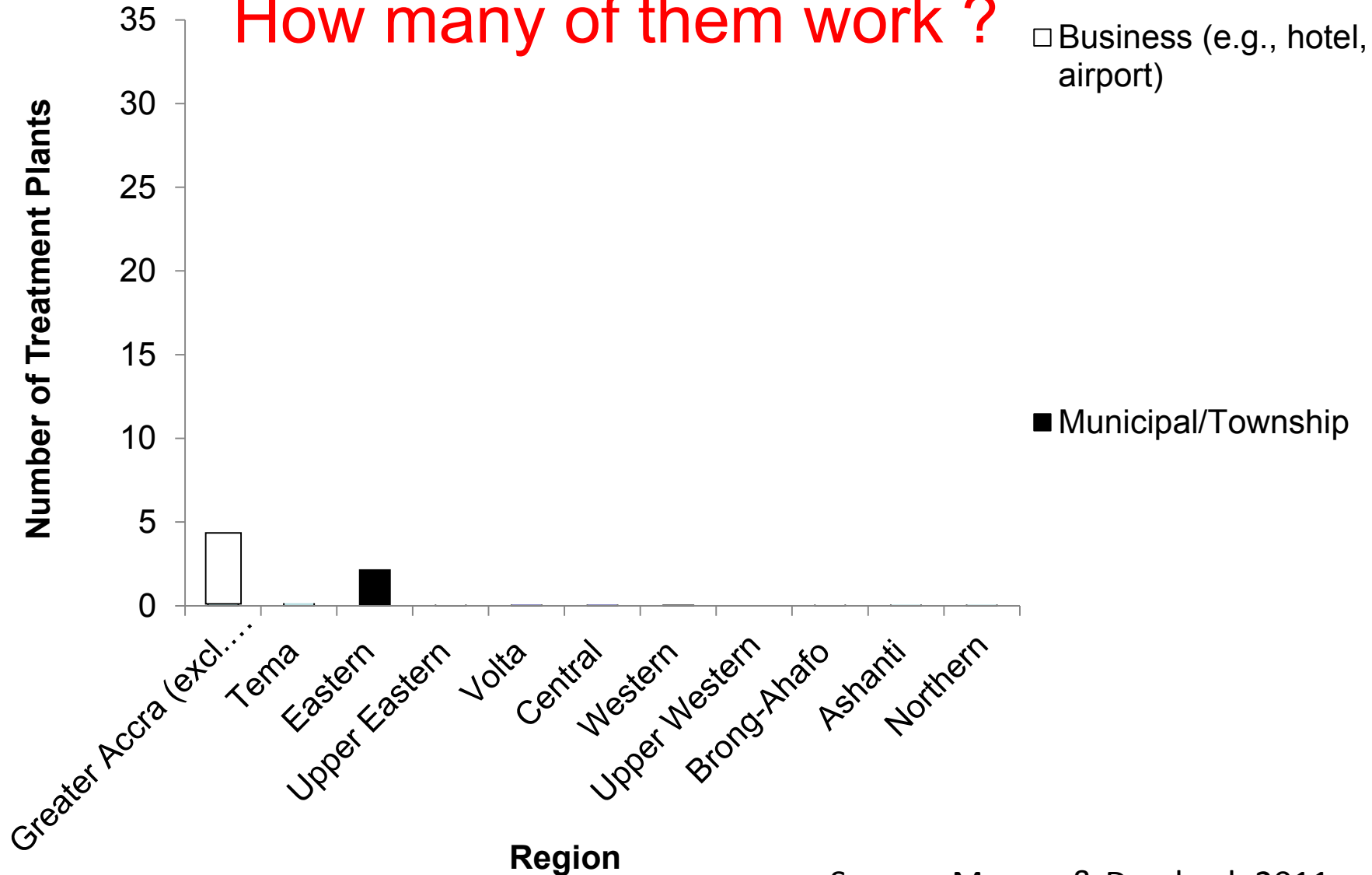
Municipal wastewater treatment



Source: Sato, *et al.* 2013 and AQUASTAT 2014

Operational Status

How many of them work ?



Assessment challenges

- In Ghana, an independent IWMI study showed that only 14% of the WWTP and STPs are operating as planned. There is no official monitoring and some plants stopped operations years ago for various reasons, but are reported as running.
- In South Africa, the official Green Drop report shows that a relatively small proportion (7%) of the 800+ plants assessed qualify for the award, and although the overall trend is improving, 248 (30%) treatment plants were listed as 'systems in crisis'.

'Finding the right balance'



- **National standards and assessments**
vs.
- **Globally comparable monitoring**
vs.
- **Ability to show meaningful progress**
vs.
- **Importance of recycling and reuse**

Thanks

<http://www.iwmi.cgiar.org/research>

<https://wle.cgiar.org>