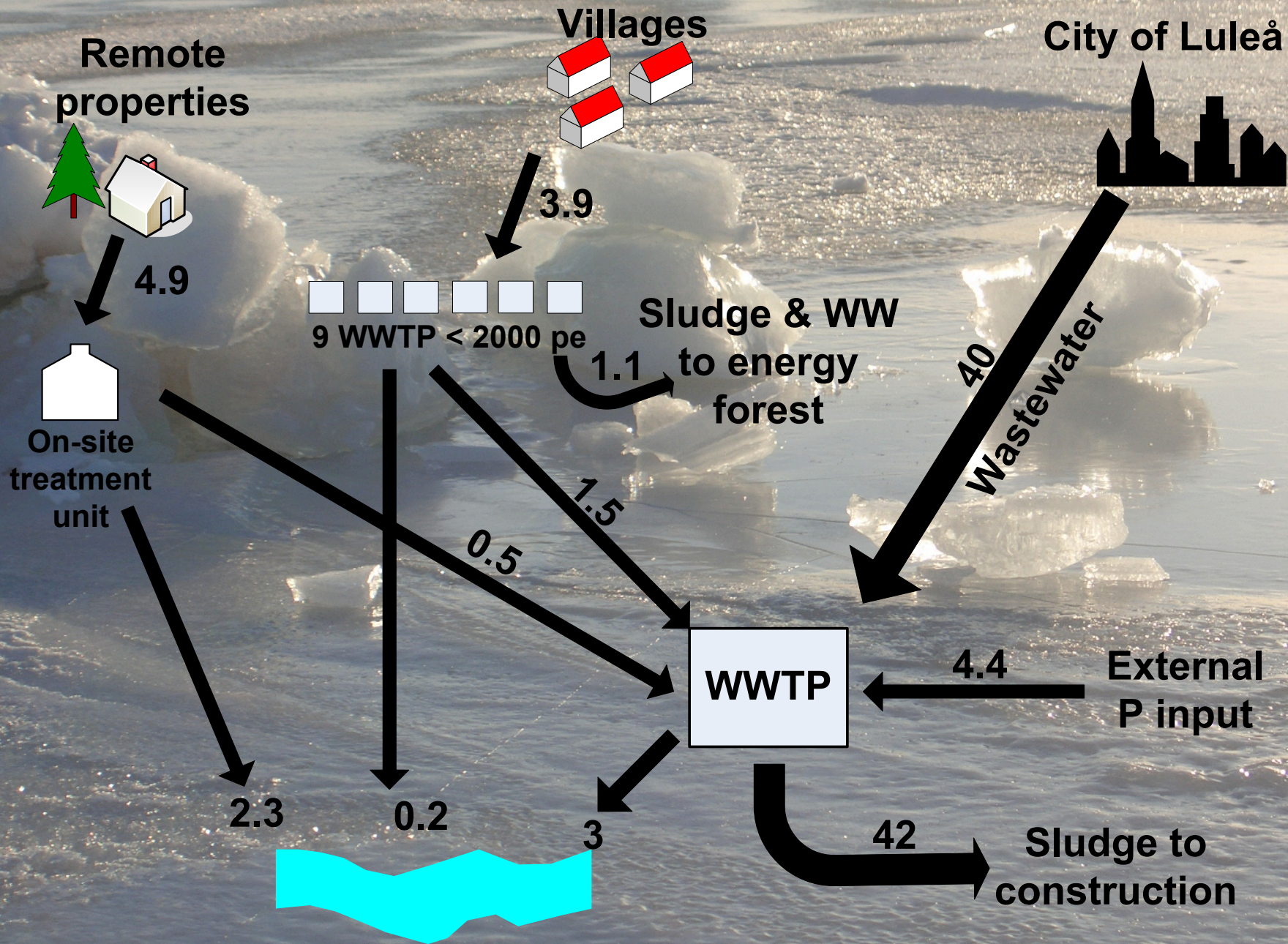


Phosphorus fluxes and recovery options in the wastewater system of the city of Luleå, Northern Sweden

**Presented by:
Ms Inga Herrmann**

Broadway Room: P recovery & reuse II





P recycling in Luleå

P recovery

- Recovery rate in Luleå today: 2%
- Potential recovery rate when sludge is reused: 81%
- Is reuse as fertilizer for energy forest good enough?

Private on-site treatment units

- No P recovery
- Contribute 41% to discharge to receiving waters while only serving 11% of population
- How can P recovery from on-site treatment facilities be achieved?

