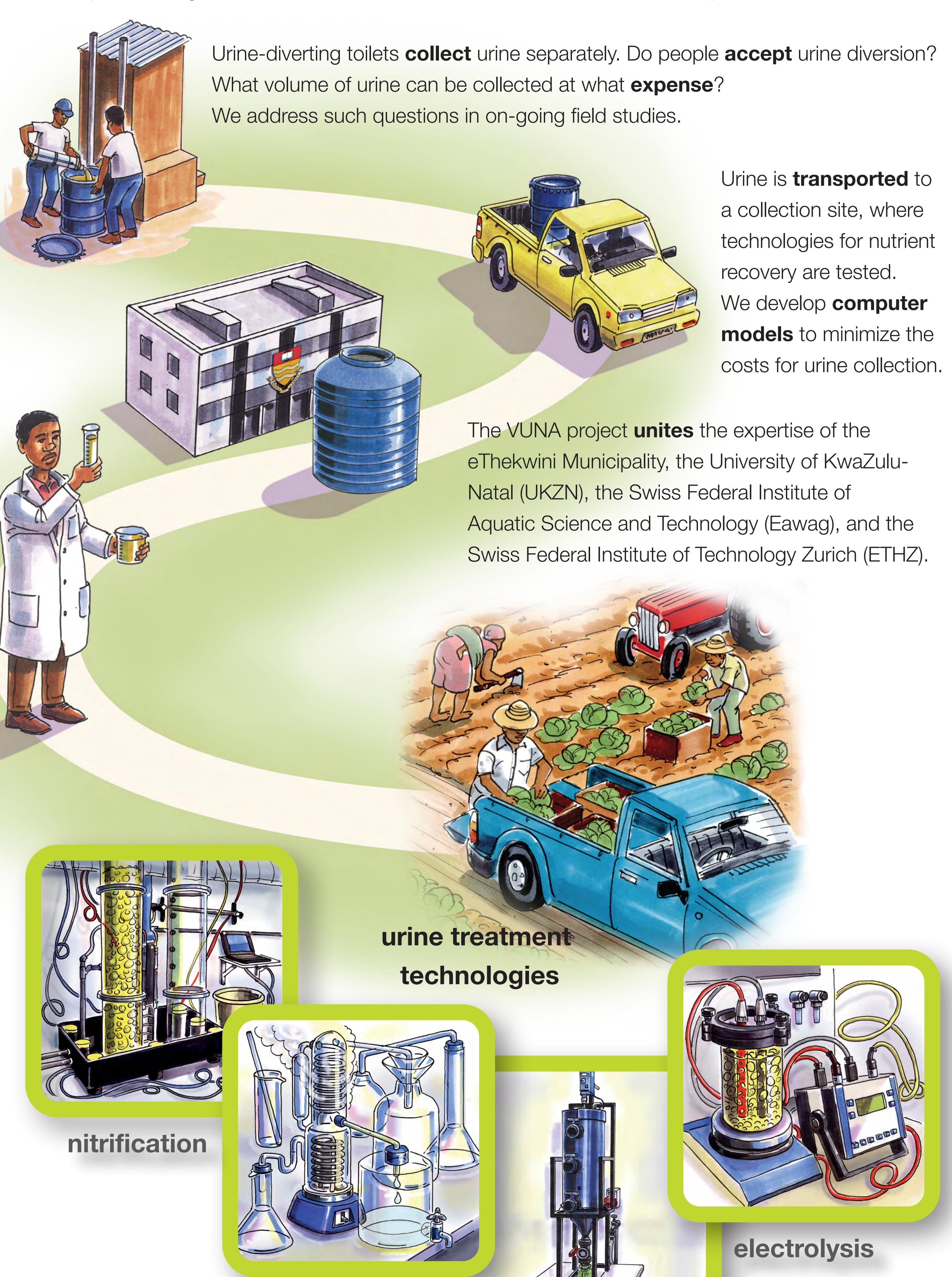


Valorizing Urine Nutrients

www.vuna.ch

Urine contains **valuable** nutrients (nitrogen, phosphorus, potassium, sulfur). By recovering these nutrients, we can turn a waste into a resource and promote **sanitation**.



We test three reactor set-ups:

precipitation

- 1. A combination of nitrification & distillation to recover all nutrients and produce distilled water.
- 2. Struvite (MgNH₄PO₄·6H₂O) **precipitation** to extract a phosphorus fertilizer.

distillation

3. **Electrolysis** to remove nitrogen, pathogens and hazardous organic substances.

