



Environmental Health Warehouse

State of Hawaii



Hawaii Department of Health
Environmental Health Administration



Our Needs and Challenges

NEED:

- Integrated access
- Share information
- Support
- Decision making
- Infrastructure

CHALLENGE:

- Issues
- Limited resources
- Silos
- Varying platforms
- Minimal impact



Proposed Solution

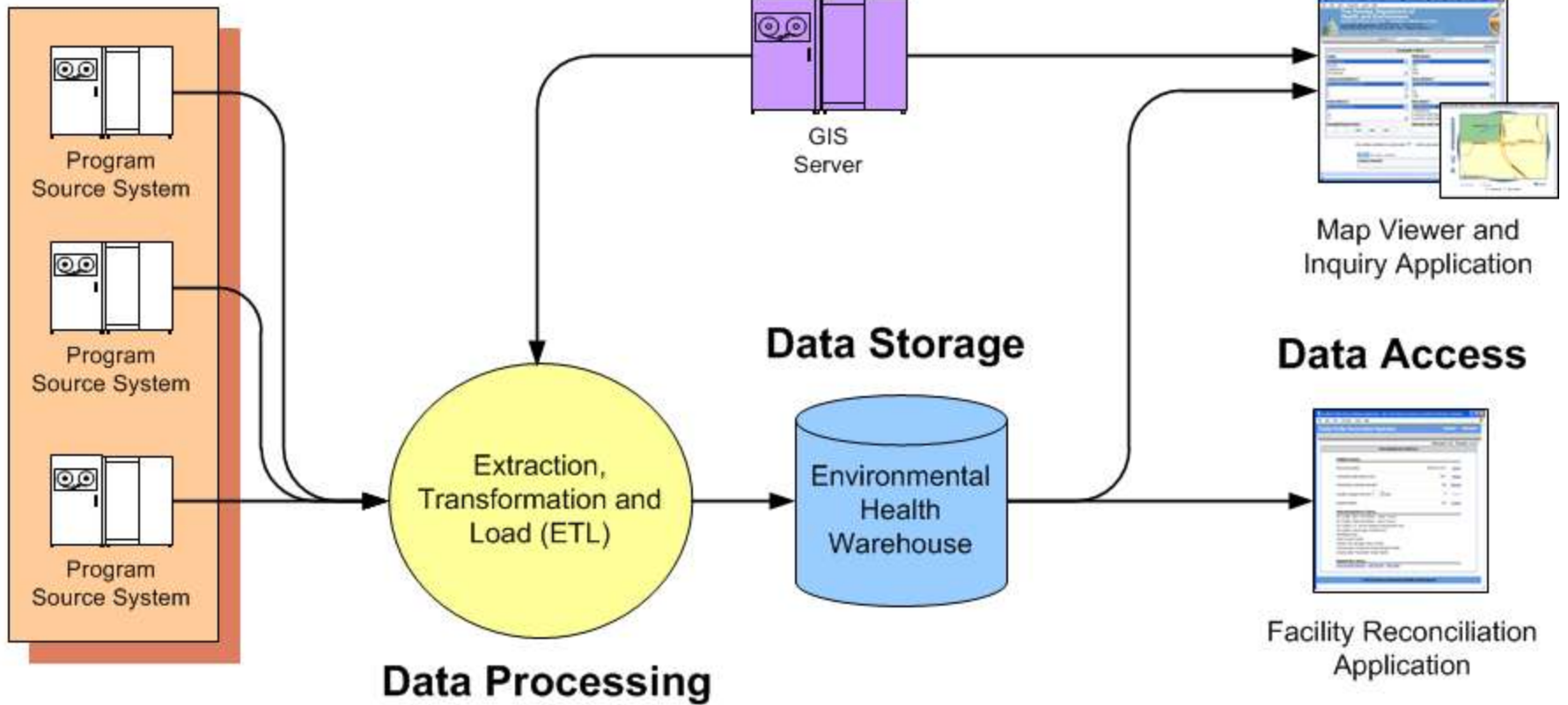
Environmental Health Warehouse (EHW)

- Web-based application
- Administration-wide view of facility and environmental interest data
- Facility reconciliation
- GIS capabilities
- FRS flow
- Appropriate solution
 - Minimal impact.
 - Flexibility for additional data sources
 - Data quality improvements
 - EHA technical infrastructure



Environmental Health Warehouse

Source Data



Project Implementation

- Started May 2009
- Reviewed other facility warehouse systems
- Customized for Hawaii DOH EHA
- 4 environmental programs (NPDES, RCRA, Storage Tanks, and SDWIS)
- 17 environmental interests
- Implemented November 2009
- Knowledge transfer



Lessons Learned

- Earning environmental program buy-in, trust and support
- Allocating sufficient staff time to devote to implementation project for program readiness assessments and system testing
- Program source system and data not ready for inclusion in the environmental health warehouse



Environmental Health Warehouse
SYSTEM DEMONSTRATION

- Waimanalo Gulch Sanitary Landfill
- [Open application](#)



Beyond Implementation

- In late 2010, enhanced the map viewer application to use new administration GIS infrastructure and spatial layers
- Incorporated additional environmental program source data (continual effort)
- Plans to integrate compliance and permit information with existing warehoused facilities
- Planning to overlay ambient environmental and health data on the regulated facilities
- Looking into making inquiry applications available to the general public



Questions

Discuss any questions about the system or project implementation.

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