

Electronic Data Reporting: Meeting (and Managing) Expectations

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Overview

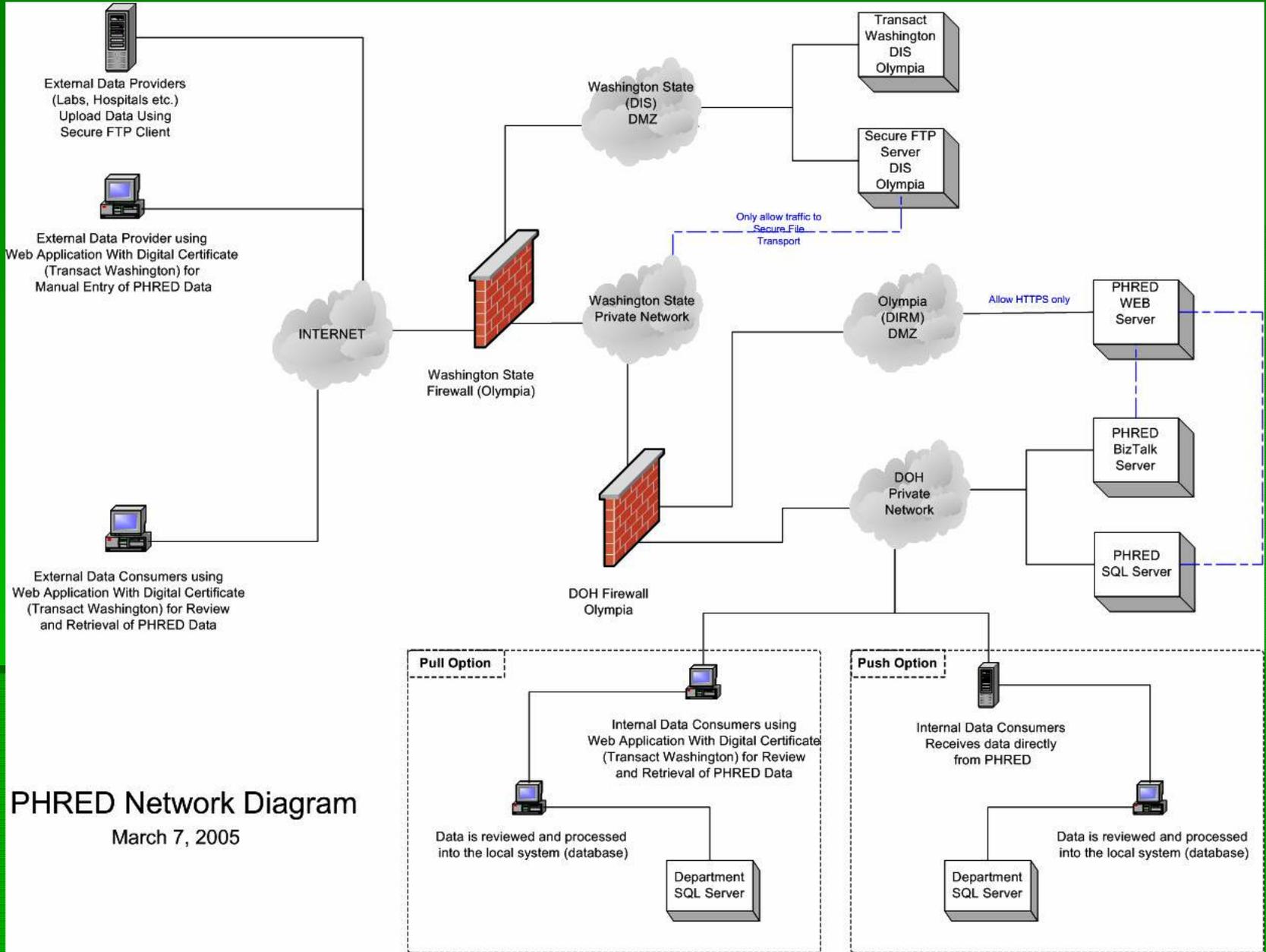
- WA Electronic Data Reporting Vision
- Characteristics of this initiative
- Programs: stakeholders in infrastructure
- Stories from 3 examples in WA
- Lessons learned and recommendations

W-EPHTN Goals

- Develop new & enhanced electronic surveillance systems for environmental disease, integrating W-EPHTN with WEDSS... (Goal 6)
- Develop and implement school related environmental conditions and student illness surveillance systems that result in systematic collection and linking of these data. (Goal 3)

Vision for Health Monitoring via Electronic Data Transfer

- For surveillance of notifiable conditions, move from paper and fax reporting to seamless, real time electronic transfer. (W-EPHTN: pesticide illness, lead, birth defects.)
- Establish electronic data systems to enable systematic monitoring of other conditions, such as student asthma.



PHRED Network Diagram

March 7, 2005

Characteristics of Electronic Reporting Initiative

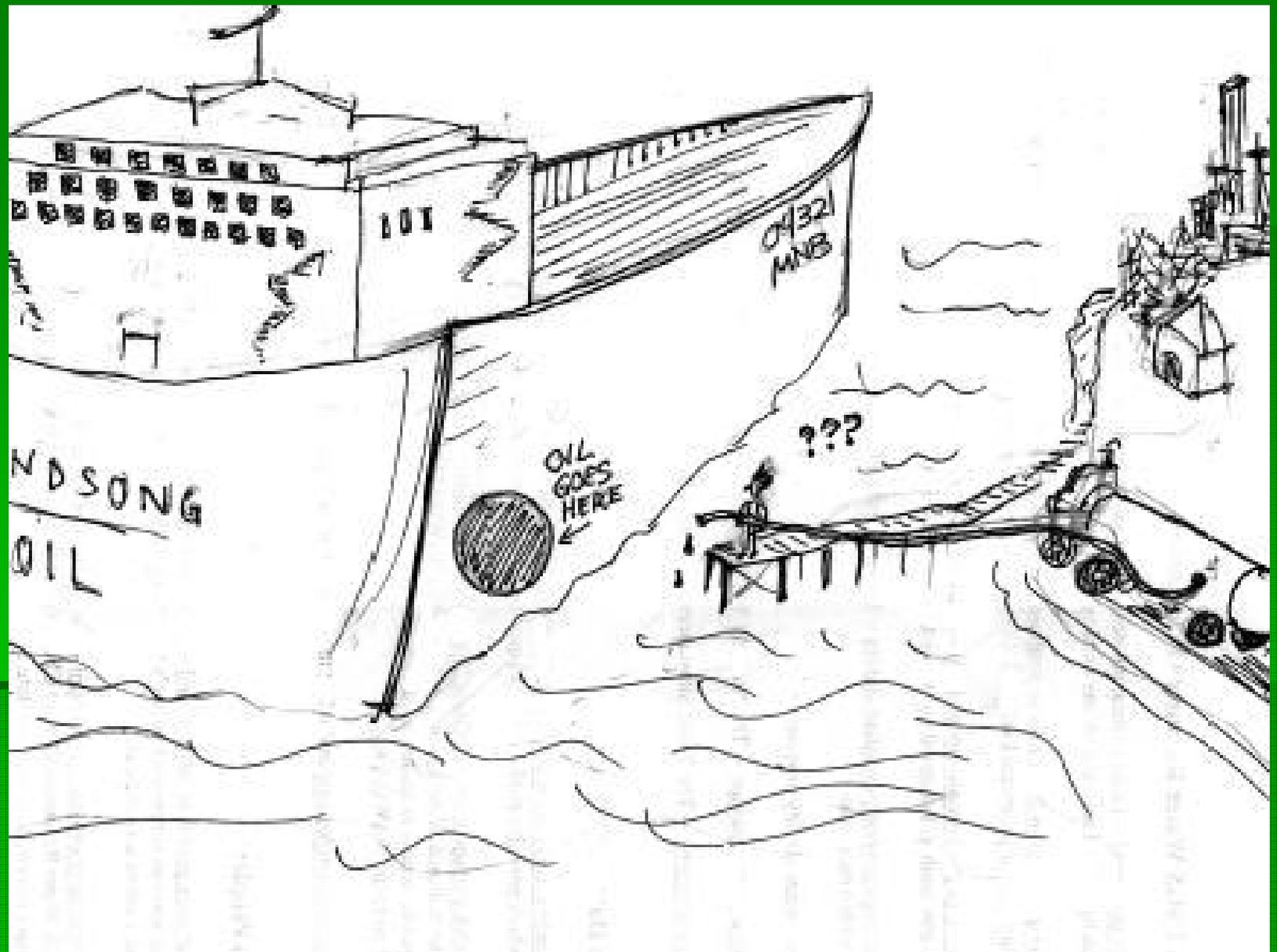
Systems Change & Top-Down Approach:

- Large scale concept with many pieces
- Requires major planning and investment
- Requires support from agency decision makers
- Requires workforce with appropriate expertise
- **Requires participation (and therefore input) of every stakeholder in the surveillance chain, including programs.**



DO YOU HAVE THE
EQUIPMENT TO
GET YOUR TID "BYT"?

Just a drop,
please!



ND SONG
OIL

101

04321
MMSB

OIL
GOES
HERE
←

???

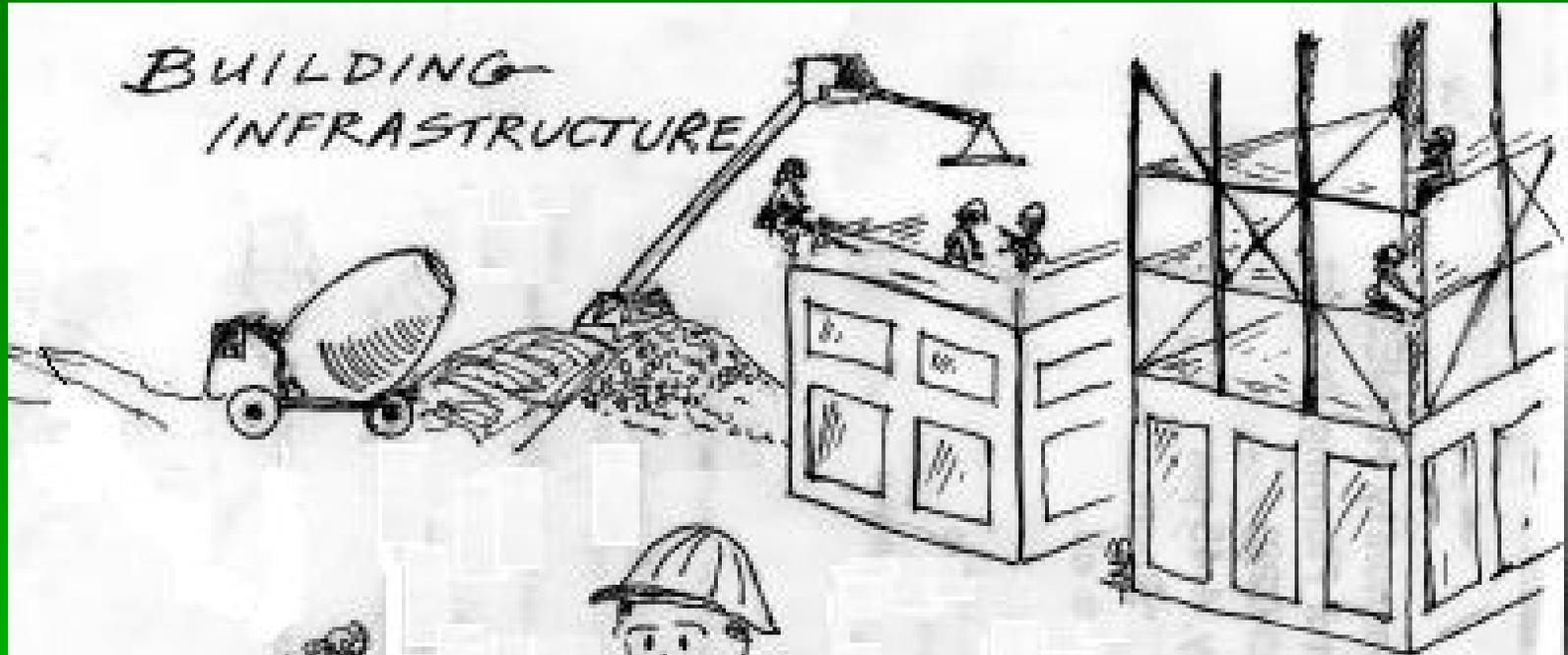
The Top-Down Approach Provides a Forest View



Top-down approach is important. But must not forget to engage those concerned about an individual tree.



BUILDING INFRASTRUCTURE



So you're one of the stakeholders - we could use your input... ever used a forklift?

Engaging Program-level & User Stakeholders: CLPPP

- **Vision:** Seamless throughput of elevated blood lead lab reports to the Child Blood Lead Registry.
- **Reality Check:** Program not funded; handling low volume of fax reports; what is business case?
- **What worked:** Found other reasons to enhance the data system that also satisfied steps needed for electronic reporting.

Engaging Program-level & User Stakeholders: PIERS

- **Vision:** seamless reporting from all sources into the Pesticide Program database.
- **Reality check:**
 - Auto input of records into data system not desired
 - Program staff like current forms/formats
 - Priority: reduce lag in receiving L&I data
- **What worked:** PIERS. A simple, inexpensive application that uploads records from secure site, and allows program to view, document decisions, and assign cases to staff.

Engaging Program-level & User Stakeholders: Schools

- **Vision:** implement standardized electronic surveillance of student health.
 - **First attempt:** High level support from state education agency. Took a vision for standardized e-monitoring to districts.
 - **Reality Check:** District support flagged.
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- **What worked:** Took ideas to districts and schools (administrators, facilities staff, school nurses) and opened discussion.

Lessons Learned

- W-EPHTN role: convener, harbinger, liaison and sometimes catalyzer
- “Selling” the long term, big picture is an iterative process
 - Need good flow of info from “builders”
 - Strengthen buy-in by reiterating the vision
- Addressing **near term** needs, however, generates early benefits (and buy-in.)

Recommendations

- **Got MOPS?** (managerial & operational program-level stakeholders)
- Work with program to understand relevance of proposed infrastructure.
- Identify opportunities for near-term, program-level gains.

Recommendations

- Stay informed of & reiterate long-term goals.
- Provide “readiness” documents?
- Consider if new experts / new types of staff needed to support (program or agency level).
- Consider training needs.

Otherwise, we may not lay tracks towards the same point...



Potential Resources

- “Successful Delivery Toolkit” from UK government website (free on-line):
<http://www.ogc.gov.uk/sdtoolkit/workbooks/projects>
- <http://www.pmpartners.com/resources/>
- “PM” literature, generally
- WA “Readiness document”

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