Unlocking the Potential of Government Records Data











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Key Takeaways



Data vs Information Data is what you need to do ANALYTICS. Information is what you need to do BUSINESS.



Change Management Change management is people focused.



Change Mgmt

Transform

6

Why Measure

Data/Info

Why Measure? What gets measured, gets managed.

Process Improvement is product focused.



Transforming Data Into Information Louisiana Department of Environmental Quality and Louisiana Department of Transportation and Development Successful Transformations

Difference Between Data and Information

Transform

Why Measure



DATA

Data is raw, unorganized facts that need to be processed. Data can be something simple and seemingly useless until it is organized.

INFORMATION

When data is processed, organized and presented so that is it made useful, it is called information.

Data is an individual unit that does not carry any specific meaning.	Information is data that has been analyzed and presented in a meaningful manner.
Data doesn't depend on information.	Information provides context for data and enables decision making
Data can be qualitative or quantitative.	Information is accurate, complete, consistent, and timely

Data/Info

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The Importance of Measurable Data / Baseline Data

Change Mgmt

Set realistic goals and measure progress towards them

Inform and motivate stakeholders to pay attention to certain issues

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Shape expectations and communication strategies

Without baseline data it would be difficult to measure progress of a project and to assess the impact

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Maintain accountability, informing what difference the project is making

Provide justification for policies

Why Measure Data/Info Takeaways Change Mgmt

Visualization is Important

Data Only			
Option	Value		
Option 1	15		
Option 2	12		
Option 3	8		
Option 4	7		













Change Management



The Prosci ADKAR Model



Transform

Transformation of Government Records Data



<u>Electronic Document Management System</u>



<u>System of Engagement</u>



Louisiana DEQ EDMS Application

Current State

- Outdated look and feel
- Steep learning curve
- Limited search capabilities
- Limited functionality
- Limited customization

Change Roadmap

- <u>Awareness</u>
- <u>D</u>esire
- <u>K</u>nowledge
- <u>A</u>bility
- <u>R</u>einforcement



Future State

- Modernized look and feel
- Easy-to-use, intuitive screens
- Expanded search capabilities
- Enhanced functionality
- New customization options



The Prosci ADKAR Model

Louisiana DEQ EDMS Change Management



https://edms.deq.louisiana.gov/edmsv2/quick-search



The Prosci ADKAR Model

Louisiana DEQ EDMS Metrics

Google Analytics

EDMS leverages Google Analytics to track key statistics and demonstrate return on investment (ROI)

- Real time usage data
- Reports and analysis
- Prepare charts and graphs



*Access Sciences



Usage

- Number of Users
- Number of Sessions
- Number of Page Views

Geolocation

- Country
- State
- City





Feature Use

Landing Pages Search Screens

Louisiana DEQ Statistics

		<u>Classic</u>		
All Users 100.00% Users	+ Add Segment			Apr 1, 2021 - Aug 23, 2021 👻
Users VS. Pageviews VS.				Hourly Day Week Month
Users Pageviews				20,000
1.000	2021	June 2021	ly 2021 Aug	10,000 ust 2021
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Louisiana DEQ EDMS

Advanced S	earch	Clear Form Search	
		3 Documents Found	
Agency Interest (AI)	126340	Al Lookup	
Document ID			
Document Date	mm/dd/yyyy		
Activity Number			
Description			
	Exact Match	Euzzy Match	
Function	Select Function		
Media	Select Media		
Document Type	Select Document Type		
Document Subtype	Select Document Subtype		
Entry Date	mm/dd/yyyy		
Pages	to		



Louisiana DEQ EDMS



https://edms.deq.louisiana.gov/edmsv2/quick-search



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Louisiana DOTD's System of Engagement



Brad D. Doucet Director – DOTD Enterprise Support Services

Getting Started

 Overall goal of providing DOTD with a centralized enterprise destination where employees and partners can consume, analyze, and contribute to enterprise data
Initial SoE discovery in Spring 2018

 Sought to enhance and leverage the DOTD Enterprise GIS infrastructure and maximize the use of technology that DOTD already owned

With strong support from DOTD executives, we developed a strategy to leverage location as the key to connecting disparate business systems
SoE implementation kicked off in Fall 2018



DOTD System of Engagement (SoE) Approach





Snapshot of Apps Released in First Cycle



Impactful Example of Early Success

- Paper forms converted to field mobility apps
- Diagrams created in Paint now use Ops Dashboard ٠ for automation
- Enterprise Sites pulls 10 apps together seamlessly
- Significant labor hours saved



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(Environmental) Cultural Resources application for identifying features.

Archaeology application for

collecting information for shovel test

pits (STPs).

Collection App Collect information for wetland delineation samples and photos.



Cultural Resources Data Viewer (Environmental) See information that has been collected for Cultural Resources on a web viewer.



STP Point #

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Snapshot of Apps Released in Second Cycle

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Port Inspection Form

LaDOTD Administrative Use Only

Port Inspection Information

de the Date and

Payment Application Change Order

Final Inspection

Monday, November 4, 2019

Survey 123 for ArcGit

lid email add @la.gov

Port Inspection Data Viewer - 🗆 ×



Highway Inventory Data Viewer







Levee Data Dashboard



Bridge Information Tool



Traffic Study Data Dashboard



Another Impactful Example of Success

Boundaries roup Filter elect a Group to Filte On/Off System

- Search, query, and export data on bridges
- Data is pulled from multiple authoritative sources and accessed through a single application
- Provides basic information for bridge projects, bridge inspections, bridge roadways, posted bridges, scour critical bridges, and more!

Bridge Application Demo



Key takeaways

- About 50 new apps have either been released or are in process to be released soon
- About 1,500 unique SoE Portal user accounts created
- Some of the most viewed individual SoE apps to date include:
 - Open Data Over 10,000 views
 - Dams Collector App for Contractors over 1,750 views
 - Bridge Information Viewer over 1,700 views
 - Levee Data Viewer over 1,500 views
 - HIDV over 1,350 views



Key takeaways

 The growing collection of interconnected SoE apps, organized by business function, are improving decision making and saving time in the search for data and insight across DOTD and for our partners

 As more SoE apps are developed, the functionality of existing apps are expanded, and more authoritative data sources are tapped, the more users of the SoE at DOTD can incorporate these tools into their daily work processes

 The SoE is serving DOTD in our ongoing efforts to achieve our mission of delivering a safe and reliable infrastructure system that enhances mobility, economic opportunity, and public confidence







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