

Alberta Open Data Summit 2016

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OpenNorth

Keynote Address

Global Trends, Local Opportunities



OpenNorth

- **Focus:** Government, Legislative, Community
- **Expertise:** standards, policy, strategy/planning, civic tech, cities, stakeholder/user engagement
- **Approach:** intermediary, capacity building, applied research, road-mapping, UX/agile
- **Networks:** OGP, CODS, IODC, GIFT, OCS, COGCSN, OD4D, ODI, CivicAccess, ParlAmericas

Focus of Presentation

1. “Wired, Tired, Expired”
2. International Open Data Charter
3. Cities
4. Data packages
5. Procurement
6. Field building

1. Wired, Tired, Expired

#IODC16 TakeAways

WIRED

- Recognition of the impact of massive leaks on the world
- Explicit discussion of how privacy and transparency balance
- Focus on inclusion and exclusion
- Grappling with the impact of politics and transitions on open data

TIRED

- Dropping open government from the open data conference
- Openwashing and openwishing

EXPIRED

- Novelty
- The relative absence of politicians and journalists
- “If we build it, they (won’t) will come”

2. International Open Data Charter

“To foster greater coherence and collaboration for the increased adoption and implementation of shared open data principles, standards and good practices across sectors around the world.”

Background

- Sevastopol, California, 2006
- Tim Berner's Lee's call to action
- Proliferation of standards, policies, guidelines
- G8 leaders sign the Open Data Charter
- #IODC15, Ottawa, Enabling the Data Revolution
- OGP ODWG

Principles

1. Open by default
2. Timely and comprehensive
3. Accessible and useable
4. Comparable and interoperable
5. For improved governance and citizen engagement
6. For inclusive development and innovation

Why bother?

It is available for **adoption** by all national and subnational governments

It promotes the **comparability** and **interoperability** of data for increased usage and impact, with an entirely new principle.

It acknowledges **global challenges** such as the **digital divide**, and the significant opportunities of open data for inclusive development;

It recommends **standardisation** (e.g. data and metadata);

It encourages **cultural change**;

It recognizes the importance of **safeguarding the privacy of citizens** and their **right to influence the collection and use of their own personal data**;

It fosters **increased engagement** with citizens and civil society; and

It promotes **increased focus on data literacy, training** programs, and **entrepreneurship**.

It **welcomes the adoption by other organizations**, such as those from civil society or the private sector.

3. Open, Smart, and Resilient Cities

Indicators of Maturity

- From **apps** to **systemic** change
- From data **visualization** to **interactive online tools**
- From **hackathons** to **sustained engagement** processes
- From **demand** to **context** specific data user approaches
- From **champions** to **mindset shift** + **capacity building**
- From open **data portals** to **personalized dashboards**
- From **local policies** to **global frameworks**

Weather

5-day weather forecast for Leeds

Day Night Thu 13 Oct

High: 12° Low: 10°

Cloudy

Chance of rain: 78% | UV Index: 2 | Humidity: 86%

Wind Direction: ESE | Wind Speed: 4 mph

Author: Ste Allan

Pedestrian Accident Locations

Concentrated locations of accidents involving pedestrians



Author: Liam Bolton

Leeds Footfall Trends

Weekly footfall stats for Leeds City Centre

Figures for the week commencing Mon, 26th September 2016 and ending Sun, 2nd October 2016.

Week 40 Footfall Total 1.50m

Previous week 0% ^

Same week in 2014 11% ^

Same week in 2013 3% ^

2015 Weekly Average

Author: Simon Zimmerman

FOI & EIR

Number of FOI & EIR Requests

Dec-14

FOI & EIR Requests received 95

Response time: Within 20 days 89.6% | Over 20 days 10.4%

Full Disclosure 19 | Partial Disclosure 81 | Withheld 11

Author: Nathan Smith

FRIDAY

14 TH

OCTOBER 2016

Leeds Inspired

Music & art events around Leeds

Left Bank Cider Festival

14 Oct 2016 & 15 Oct 2016

Left Bank Leeds

Join us for the first annual Left Bank Cider Festival. There will be over 30 different ciders, ales and beers, hot food (including sausages, pies and veggie options), live music, talks from cider industry experts and games. On arrival you will receive a souvenir Cider Festival glass and a tasting menu to



Author: Nathan Smith

Leeds Car Parks

Registered spaces available in Leeds

Albion Street

Albion Street

Statutory Notices

Newly added in Leeds

Statutory notices are legally required public notices which inform residents of proposed changes about specific things.

16 Licensing | 566 Planning

View Stat Notices

Author: Nathan Smith

Leeds Data Mill Twitter Feed

What are we tweeting about?

LeedsDataMill @LeedsDataMill

skup samochodów powypadkowych https://t.co/oYeEvQ0tCp 3 days ago

LeedsDataMill @LeedsDataMill

skup aut powypadkowych https://t.co/f2gi6MC7Q9 3 days ago

Author: Mark Barnett

Add a Story

- Categories
- Featured
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Featured

- Leeds City Centre Footfall Featured
- Analogue Clock Featured General
- Leeds House Prices Featured
- Bicycle Bays Featured
- River Levels Featured
- Freedom of Information Requests Featured
- Leeds Datamill Twitter Feed Featured General
- Parking Fines Featured
- Carpark Spaces in Leeds Centre Featured
- Leeds Contact Centre Enquiries Featured
- Leeds Inspired Events Featured
- Sunrise Featured
- Recent Stat Notices Featured
- Sunset Featured
- Date Calendar Featured General
- Stat Notices Summary Featured
- Find My Bin Day Featured

General

- Analogue Clock Featured General
- Leeds Datamill Twitter Feed Featured
- Date Calendar Featured General
- Leeds Gov News General
- Weather Forecast General
- LCC Newsroom General
- Leeds Air Quality General
- Leeds Markets Occupancy General
- Yorkshire Water Video Player General

Play Book NYC

- Welcome All New Yorkers
- Make Government Simple
- Listen and Respond
- Reach People Where They Are
- Protect New Yorker's Trust
- Build Collaboration

#1

**MAKE SERVICES
ACCESSIBLE**

#2

**COMMUNICATE
SIMPLY**

#3

**REACH OUT TO
RESIDENTS**

#4

**TEST WITH
RESIDENTS**

#5

**ORGANIZE AROUND
NEEDS**

#6

**BUILD CITY
CAPACITY**

#7

**BUILD ON WHAT
WORKS**

#8

**TIE SERVICES &
NEIGHBORHOODS**

#9

**CREATE
STANDARDS**

#10

**DESIGN FOR
MOBILE**

#11

**ENGAGE PRIVATE
PARTNERS**

#12

**BE ACCOUNTABLE
& TRANSPARENT**

SMART *and* Open?

- **Challenge:**

- Inconsistent with open data **principles** and **policies**
- Spatial **referents** often unknown
- Subject to **privacy**, **monetization**, and **security** issues
- Often **closed** and **proprietary**
- Lacks standards that facilitate **interoperability**
- Managed in a **stovepipe** fashion which **precludes collaboration**.

- **Need:**

- With an increasing number of Canadian cities investing in smart city programs, there is a need to critically document and systematically promote open smart data through the adoption of open data standards, policy frameworks, and grounded best practices informed by urban data producers and users

RESILIENT

Can open data improve urban resilience?

Resilience: “The capacity of individuals, communities, institutions, businesses, and systems within a city to survive, adapt, and grow no matter what kinds of chronic stresses and acute shocks they experience”.

The Rockefeller Foundation

Recommendations

1. Couple open data and urban resilience efforts to build a culture of openness
2. Assess and address similarities and differences in urban resilience work between the Global South and North
3. Close the open data capacity gap
4. Develop an agile approach to managing urban resilience
5. Cultivate business opportunities that address urban resilience issues

Use Cases

- **Mexico**: transparency in emergency management funds made it possible to **map and track the geographic process of recovery**
- **Jamaica**: supporting community tourism in using open data by creating local interactive community maps that form the basis for **community tourism initiatives** throughout the country.
- **Sao Paulo**: the open data community played a very important role during times of **water shortages**, they were critical of the state for not releasing proper data on the issue
- **Amman**: openly publishing the results of a comprehensive risk assessment enabled the private sector and contractors in the construction industry to **propose risk mitigation measures** as part of their contract bids.

4. Data Packages

"Standards are like toothbrushes: everyone has one and nobody wants to use someone else's"

#IODC16 participant

Goals/Objectives

- What do packages do?
 - **Identify key datasets** that have the broadest implications for addressing a specific set of related issues
 - **Develop guidelines** for making those datasets open, accessible, and usable
 - **Map existing standards**, and new standards, to make data from different countries and levels of jurisdiction interoperable.
- Examples: **Anti-Corruption** and **GODAN**

Climate change package

Monitoring. Collecting rainfall, weather or temperature to assess changes through data analytics and visualizations.

Verification: Developing models for collecting and publishing datasets that measure progress against the Paris Agreement goals.

Resilience. Gathering and managing data that will be critical for resilience to extreme weather impacts.

Mitigation. Using data to determine where to develop wind and solar projects to make renewable energy as cost-effective as possible.

Social-Economic. Leveraging social-economic data to help planners address climate issues.

Alignment with Canada

- Open Government Partnership NAP
- Federal and Provincial goals
- Open data standards and interoperability

5. Procurement

Procurement Transparency Incentives

- Facilitate accountability
- Enhancing competition

Policy Guidelines for Open Contracting

1. State a **clear objective**
2. Recognize the **right to access information** about contracting
3. **Build on laws and regulations** regarding public procurement
4. Create **mechanisms for monitoring** data quality
5. Commit to an “**open by default**” standard
6. Commit to **stakeholder participation** at predefined points in the process
7. Clearly define ways for **internal oversight bodies** to use this data
8. **Describe what will be published**, open data from all phases of contracting
9. Publish data under an **open license**

OCS Best Practices

- Cincinnati: Detailing the Objectives of Procurement/Open Data Policies
- San Francisco: Collate and Publish Commodity Purchase Prices
- Montgomery County, MD: Publishing Solicitations and Offers
- Miami-Dade: Publishing Proposed Sole Source Contracts
- New York City: Publishing Competitors
- Miami-Dade: Publishing Internal Recommendations before vendor selection
- Cincinnati: Publishing Vendor Selection Decisions
- Releasing Bid Documents after vendor selection
- Montgomery County, MD: Assign and enforce responsibility for data integrity
- Montreal: Executive Attention to Data Release Specifications
- Montgomery County, MD: Cross-jurisdictional cooperation and standardisation in open data formats and parameters

Use Case: Mexico

¿Cómo compra tu gobierno?

La **CDMX** es la primera ciudad en el mundo en publicar información sobre todo su proceso de contrataciones.¹

TOTAL DE CONTRATOS FIRMADOS

111

MONTO TOTAL CONTRATADO (MXN)²

\$238 millones

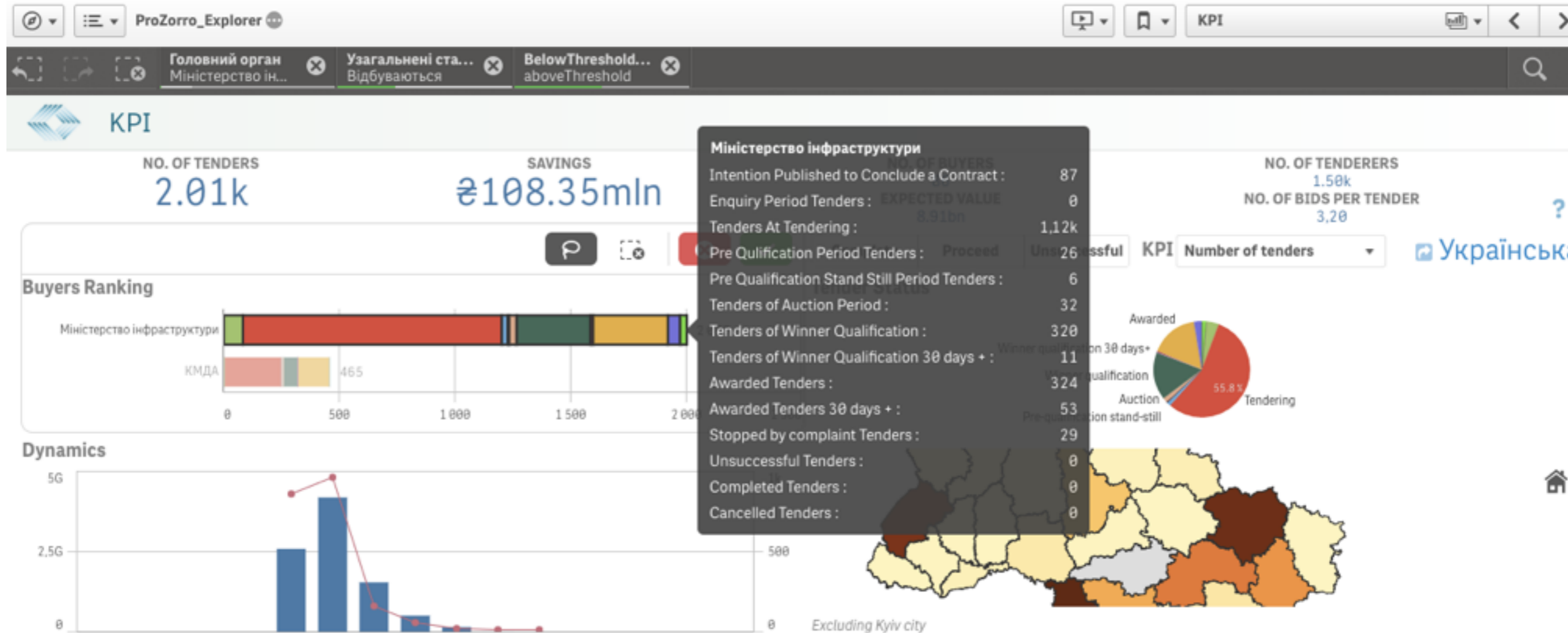
¹ Información disponible a partir de la implementación del estándar en 2015.

² El monto contratado es aproximado y corresponde a las contrataciones abiertas realizadas en pesos mexicanos, en los contratos individuales se pueden consultar los montos de otras divisas.

Explora las compras de la CDMX →

Conoce el proceso de una compra ↓

Use Case: Ukraine



6. Field Building

Problem Definition

- Who is defining the problem?
- What is the known background to this problem?
- What are the problem's symptoms or root causes?
- Are those affected by this problem able to define its root causes?
- How big is the problem? How is it measured? What is its unit of analysis?
- What data is accessible to help us understand the problem?
- What data is not accessible that we would like to have?
- What are the barriers to making that data available and useable?
- Who are the data users that can add value to resolving resiliency issues?
- What solutions to this problem have been attempted in the past?
- Why did they fail or succeed?
- How is feedback collected on the users of data that have tried to resolve this problem?

Indigenous Communities: Open Data Risks

- Cultural context
- Control
- Content
- Consent
- Capability

Questions?



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