The Proprietary SaaS Competition...
Open-Source Market Leader in Europe...
Local gov’ts often rolled their own...
New Platform Options

[Images of website interfaces for data visualization and open government platform]
# Core Data Management System Features

## Features for Publishers
- Local/national governments, data providers

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Publish</strong></td>
<td>data through a guided process or import via API/harvesting from other catalogs</td>
</tr>
<tr>
<td><strong>Customize</strong></td>
<td>add your own metadata fields, themes and branding</td>
</tr>
<tr>
<td><strong>Store</strong></td>
<td>data within CKAN or on external (e.g. departmental) sites</td>
</tr>
<tr>
<td><strong>Manage</strong></td>
<td>Full access control, version history with rollback, INSPIRE/RDF support, user analytics</td>
</tr>
</tbody>
</table>

## Features for Data Users
- Researchers, journalists, programmers, NGOs, citizens

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explore</strong></td>
<td>search, add, edit, describe, tag, group datasets via web front-end or API</td>
</tr>
<tr>
<td><strong>Collaborate</strong></td>
<td>user profiles, dashboard, social network integration, comments</td>
</tr>
<tr>
<td><strong>Use</strong></td>
<td>metadata and data APIs, data previews and visualizations</td>
</tr>
<tr>
<td><strong>Extend</strong></td>
<td>full documentation for building extensions</td>
</tr>
</tbody>
</table>
Why Does Open-Source Matter?

• No vendor lock-In

• Security transparency (US DoD is a major consumer for this reason)

• Open-Source platforms often pay more heed to open formats and standards (e.g.: DCAT, RDFa, OData, JSON vs Shapefiles, PDF, etc.)

• Innovation: healthy open-source projects can aggregate more engineering effort than proprietary alternatives, propagate great new extensions faster

• Hosting options: consume as a cloud-hosted service today, host in-house tomorrow

• Cost (sometimes)
In 2012 CKAN Broke Out... Not Just for Europe Anymore...
CKAN Worldwide
CKAN in the US (w/ Drupal)
CKAN for Local US Governments...

Sales Tax Collections for City of Chicago 2000-2010 / Chicago_Sales_Tax_Data_2000_2010.csv

Last updated: 3 months and 9 days
Format: csv
Licence: License unknown

Sales and Sales Tax Collections for Chicago by County and Year of Sale. Source: Illinois Department of Revenue. Format: CSV

<table>
<thead>
<tr>
<th>Place</th>
<th>Total Retail</th>
<th>General M</th>
<th>Qualifying</th>
<th>ST (State)</th>
<th>CST (County)</th>
<th>STRTA (R)</th>
<th>CHMR (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chicago</td>
<td>$19,139,575</td>
<td>$15,482,228</td>
<td>$3,657,346</td>
<td>$774,112</td>
<td>$0</td>
<td>$39,270,913</td>
<td>$104,730</td>
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<tr>
<td>Chicago</td>
<td>$2,582,012</td>
<td>$2,387,958</td>
<td>$194,054</td>
<td>$119,398</td>
<td>DuPage CST</td>
<td>$5,969</td>
<td>$0</td>
</tr>
<tr>
<td>Chicago</td>
<td>$19,033,333</td>
<td>$15,607,228</td>
<td>$3,426,076</td>
<td>$780,364</td>
<td>Cook County</td>
<td>$0</td>
<td>$38,866,811</td>
</tr>
<tr>
<td>Chicago</td>
<td>$3,091,148</td>
<td>$2,955,954</td>
<td>$135,194</td>
<td>$147,798</td>
<td>DuPage CST</td>
<td>$7,388</td>
<td>$0</td>
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<tr>
<td>Chicago</td>
<td>$18,979,685</td>
<td>$15,526,614</td>
<td>$3,452,991</td>
<td>$776,334</td>
<td>Cook County</td>
<td>$0</td>
<td>$38,666,722</td>
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<tr>
<td>Chicago</td>
<td>$2,566,885</td>
<td>$2,521,761</td>
<td>$45,124</td>
<td>$126,088</td>
<td>DuPage CST</td>
<td>$6,303</td>
<td>$0</td>
</tr>
</tbody>
</table>
Data.gov Will Soon Be CKAN+Drupal
Why Is Drupal Involved?

- Like CKAN, open-source
- Increasingly, Drupal already manages the content of government
  - >1 million sites (2% of all sites), 3,718 Code commits/wk, 6,388 issue comments/wk
- 24% of .gov sites = in-house skills already in government

24% of all .gov sites use Drupal

(That's more than any competitor!)

Drupal is used by dozens of U.S. government agencies including the House of Representatives, the FCC, NASA and the Department of Defense.
New Drupal-Native “DKAN” version
DKAN

- Fully functional data portal housing datasets, Solr search, accessible via JSON and RDF; csv or xml files uploaded through Drupal, stored in *SQL, visualized through Recline.js
- Seeks to replicate CKAN 2.0 functionality, design, standards, & API
- Reuses CKAN components wherever possible (e.g.: Recline.js)
- Built with support and input from the Open Knowledge Foundation
- Fully open project, with code on Drupal.org/project/DKAN
Potential Benefits of Drupal-Based “DKAN” as an Open Data Platform

- Extensible – 18,489 Modules (vs ~40 for CKAN), so easy to add and customize functionality
- Rapid innovation— 3,718 Code commits/wk, 6,388 issue comments/wk
- Mature platform and transparent rigorous upgrade process
- Choice of support options – 100s of competent firms
- FISMA certified cloud hosting options
- INTEGRATES Data Management Systems (DMS) more easily w/ the Content Management Systems (CMS) running public websites where we want to tell data stories, & where lots of de facto data is already published as content...
Data Isn’t Static...

Real-Time

Augmentable
On NYSenate.gov, Senators Are Data Too...
Events Are Data Too…

This calendar lists New York State Senate sessions, hearings and other events. Click on the event titles below for details.

- Live Streamed Events Calendar
- Session Calendar
- Legislative Cable Channel Schedule
- View a PDF of the Public Hearing Schedule

Filter by Senator: <Any>  Event type: <Any>  Committee: <Any>  Initiative: <Any>  Apply

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Week</th>
<th>Day</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

**MARCH 2010**

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ronald McDonald House</td>
<td>Ronald McDonald House</td>
<td>Ronald McDonald House</td>
<td>Ronald McDonald House</td>
<td>Ronald McDonald House</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Agriculture Meeting</td>
<td>Local Government Meeting</td>
<td>Senate Session 03-04-10 Session</td>
<td>Community Census Presentation</td>
<td>Public Hearing On The New York State Budget Forum/Town Hall</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Committee Meeting</td>
<td>Committee Meeting</td>
<td>Black History Month Extravaganza</td>
<td>Forum/Town Hall</td>
<td>SAVE OUR PARKS! Rally</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Children And Families Meeting</td>
<td>Senate Majority MWBE Task Force Public Hearing: Reform Of Article 15-A</td>
<td>One Community: Striving For Excellence</td>
<td>Forum/Town Hall</td>
<td>Senator Addabbo At Middle Village</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Committee Meeting</td>
<td>Committee Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The Structured Data of Committee Events

Date:
Tuesday, June 8th, 2010, 9:30 am - 10:30 am

Location:
Legislative Office Building, Room 915
181 State Street, New York State Legislative Office Building
Albany, NY 12247
See map: Google Maps

PURPOSE
Senate Standing Committee on Racing, Gaming and Wagering
Senator Eric Adams, Chair
9:30 AM, Tuesday, June 8, 2010
Room 915 LOB

The committee will consider the following nomination:

Harry D. Snyder as Member to the State Racing Commission

<table>
<thead>
<tr>
<th>Printed No.</th>
<th>Sponsor</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2717</td>
<td>Adams</td>
<td>An act to amend the racing, pari-mutuel wagering and breeding law, in relation to audits and budgets of off-track betting corporations</td>
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<tr>
<td>2718</td>
<td>Adams</td>
<td>An act to amend the racing, pari-mutuel wagering and breeding law, in relation to audits and budgets of off-track betting corporations</td>
</tr>
</tbody>
</table>
All Content is Data

Video

Metadata
Alex Byrnes to go deeper on CKAN...

alex@nuams.co
Aaron Couch to go deeper on DKAN...

aaron@nuams.co
New Amsterdam Ideas | @NuAMS | http://nuams.com

andrew@nuams.co

@ahoppin

nuams.com

ckan.org

drupal.org/project/dkan

DKAN DEMO: http://dkan.nuamsdev.com