

Commerce Data Dashboard

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Commerce Data Advisory Council (CDAC) Meeting

1-3p EST, January 14, 2016

Olivier H. Beauchesne, 2011. Map of Scientific Collaborations from 2005-2009.

Computed Using Data from Elsevier's Scopus

CDAC Working Groups' Virtual Meetings

Thursday, January 14, 2016

<u>Session Time*</u>	<u>Working Group</u>	<u>Chair</u>
10:00 AM– 12:00 PM	New Exporters	Vadim Kutsyy
1:00 PM – 3:00 PM	Commerce Data Dashboard	Katy Borner
3:30 PM – 5:30 PM	Data Governance	Steve Adler

**All time are Eastern Standard Time (New York, GMT-05:00)*

[View the On-Line WebEx meeting](#) (Link embedded)

Meeting number: 749 948 739

Audio (by phone): 888-455-8222

Passcodes:

-To participate in the discussion: **11241**

-To Listen-in (only): **7455044**

For Technical Assistance Line:877-486-8556: code: 8408-041#

Agenda

Burton – Intro, structure and goals of discussion	5 mins
Katy – Vision for the dashboard	10 mins
Joy – San Francisco Data Dashboard	5-10 mins
PTO – PTO Dashboard	5-10 mins
Census – Census Dashboard	5-10 mins
Ian – Thoughts on what’s feasible/useful for DOC	5 mins
General discussion	60-75 mins

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DoC Dashboard: Iconic Visualization

Use “Iconic Visualization” of the 12 DoC bureaus as a “reference system.” Overlay data to show current data and IT progress for each of the bureaus.

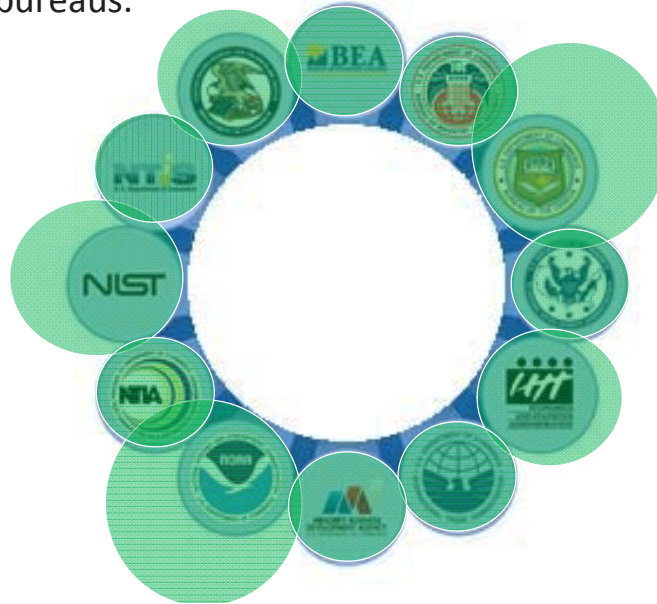


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DoC Dashboard: Iconic Visualization

Use “Iconic Visualization” of the 12 DoC bureaus as a “reference system.” Overlay data to show current data and IT progress for each of the bureaus.

Variable 1



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DoC Dashboard: Iconic Visualization

Use “Iconic Visualization” of the 12 DoC bureaus as a “reference system.” Overlay data to show current data and IT progress for each of the bureaus.

Variable 2



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DoC Dashboard: Data Types

For each of the 12 DoC bureaus show

Data plans [0, 1]

Data web sites

Unique visitors to data web sites, list top-3 most active sites

TB downloaded from data web sites, list top-3 most active

Cloud instances

Webcasts on how to use APIs

Webcasts on how to use data

days to get data published; averaged per DoC bureau

Please add your favorites.

See CDACImpactDashboard-10.30.docx for detailed listings of data relevant for IT purchases, expertise, etc.

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DoC Dashboard: Data Sources

Much of this data might become available via

https://www.commerce.gov/sites/commerce.gov/files/media/files/2014/doc_fy2014-2018_strategic_plan.pdf

STRATEGIC GOAL 4: DATA

Indicator
Strategic Objective 4.1
Number of archival datasets to which permanent, citable Digital Object Identifiers (DOI) have been assigned
Data customer satisfaction rate as measured by each bureau

Indicator
Strategic Objective 4.2
Milestones met to explore and examine future economic data sources
Milestones met to explore and examine future economic products and datasets
Strategic Objective 4.3
Milestones met in increasing the cost efficiency of 2020 Decennial Census
Milestones met in developing census information technology (IT) enterprise to enhance collection, processing, and dissemination of data

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DoC Dashboard: Visual Encoding

Data for the different bureaus would be visualized using

- Circle areas size (linear scaling if possible, log scaling if needed)
- Circle color hue (e.g., red if costs rise, green if they decrease)
- Circle labels (text, numbers, or icons, e.g., smiley faces)

Undirected linkages (collaborations) or directed flows (hires or software reuse) between bureaus can be shown via linkages and arrows respectively, see below examples.



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DoC Dashboard: Iconic Visualization

Just like OECD features the “Better Life Index” visualizations in many public places:

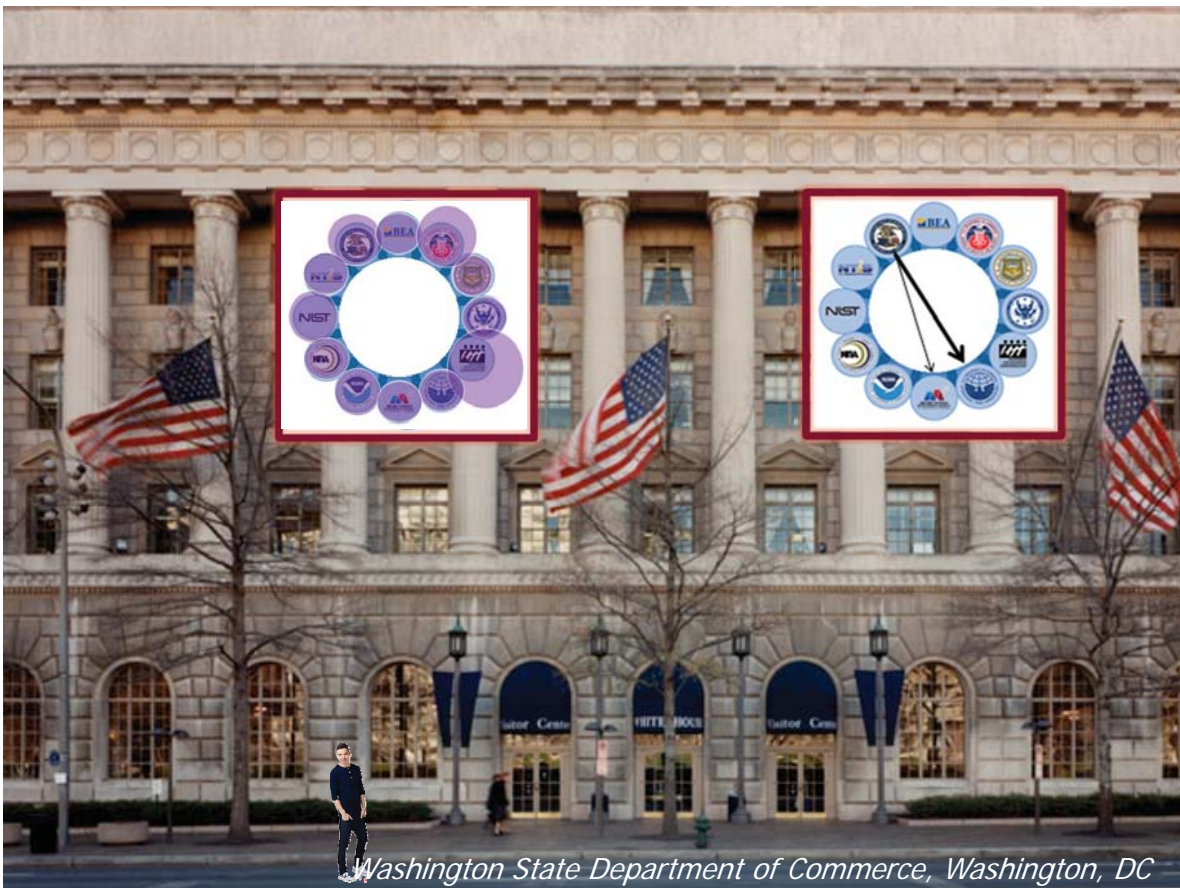


DoC would display the DoC Dashboard in the entrance and other public areas to actively promote open data and to change incentive structures.

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National Museum of Natural History, Washington, DC



Washington State Department of Commerce, Washington, DC

DoC Dashboard: Final Comments

- Public DoC dashboards will help set standards and goals that DoC thinks are important.
- They will lead to discussions of the presented and of alternative indicators/metrics and how they are measured/implemented.
- If featured in the “DoC News” and DoC leadership meetings each month, these dashboards will likely lead to healthy peer pressure, competition, and collaboration between the 12 bureaus.
- Just like any successful development project, this project will need a strong “client-partner,” an appropriate budget, and a timeline with key milestones.

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