



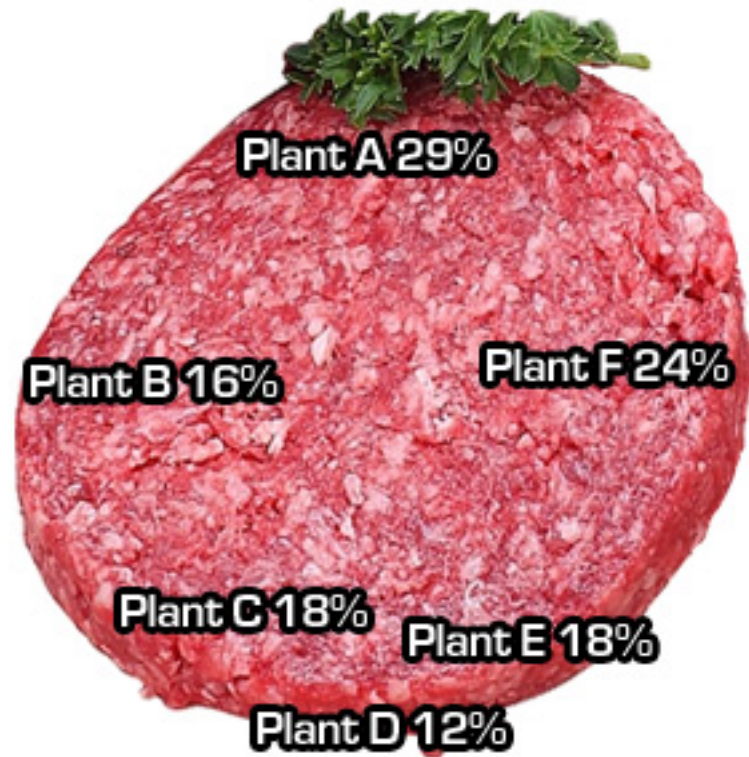
Legislative XML:

Engineering XBRL into the
Appropriations Supply Chain

W3C / XBRL @ FDIC
Arlington, Virginia
October 5, 2009

Trust Your Graphs?

- Graphs that we depend on are hiding the data beneath.
- Graphs are based on data that has speculative provenance.
- We are encouraged to just consume the concoction of disparate bits of data from unknown sources.
- There are few ways of tracing back.
- We are often forced to "trust" rather than be able to verify.









Trustworthy Sourced Graph?

Published: October 4, 2009

Anatomy of a Burger

Confidential grinding logs and other records from fast-food restaurants. This patty was made by the Lone Star Beef Processors, which released 8,441,152 pounds of ground beef on Oct. 3, 2007, after an estimated 9,400 people were sickened, including Stephanie Smith, 22, of Cold Spring, Minn. | Related Article >

The New York Times

	THE INGREDIENTS	COMBATING E. COLI	THE BURGER	MS. SMITH'S ILLNESS
Greater Omaha Packing Omaha 	FRESH FAT Fatty edges from whole cuts of meat, known as 50/50 – half fat, half beef.	Washes carcasses and takes other steps to remove fecal contamination that harbors the virulent strain of E. coli known as 0157:H7.		Cargill Butler, Wis. 
Lone Star Beef Processors San Angelo, Tex. 	FRESH LEAN Trimmings of meat from dairy cows and bulls that are too old for feedlot fattening.	Concedes that the best slaughterhouse practices cannot guarantee that trimmings will be free of the pathogen.		Five days after having the grilled burgers Ms. Smith was admitted to St. Cloud Hospital in Minnesota with excruciating pain. When her condition worsened, doctors put her into a coma for nine weeks until her seizures remitted. In an extreme reaction to the pathogen, she emerged paralyzed, with brain and kidney injuries. Many of the estimated 70,000 people sickened by E. coli each year have painful episodes, but most suffer no lasting health problems. In addition to ground beef, E. coli has been found in spinach and other foods.
Slaughterhouse Uruguay 	FROZEN LEAN Trimmings from grass-fed cattle.	Annual audits by the U.S.D.A. found some sanitation flaws in Uruguay's meat operations, including improper testing for E. coli, which officials say they have corrected.		Beef Products Inc. 
Beef Products Inc. LEAN FINELY TEXTURED BEEF	The U.S.D.A. has urged hamburger makers to cook ground beef to 160 degrees Fahrenheit to kill E. coli before processing.	By MICHAEL MOSS Published: October 3, 2009		

E. Coli Path Shows Flaws in Beef Inspection

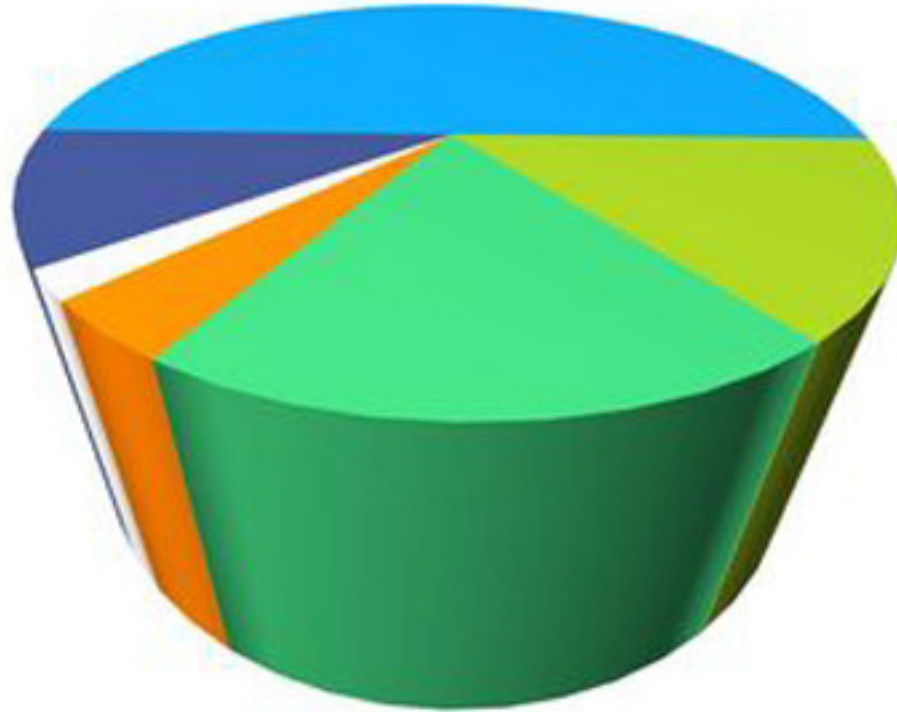
Difficulty in Sourcing

The Revolution in Transparency

Documents that are stored at dependable URLs and that are well structured and well documented are the core of this new revolution.

Trust through Verification

Manipulated Data



URLs to Authentic Data Source

Legislative XML

XML is the first computer language that both geeks and subject matter experts create collaboratively.

History started at

<http://xml.house.gov>

Important groundbreaking points:

- Human readable/machine processable
- Embedded metadata
- No need for specialized API or web service
- Citable
- Dependable URLs (patterned and also discoverable)
- Drafters use an easy to use tool that is native XML based

Legislative XML

Missing something... need for a Second Generation...



XBRL... to the Rescue?

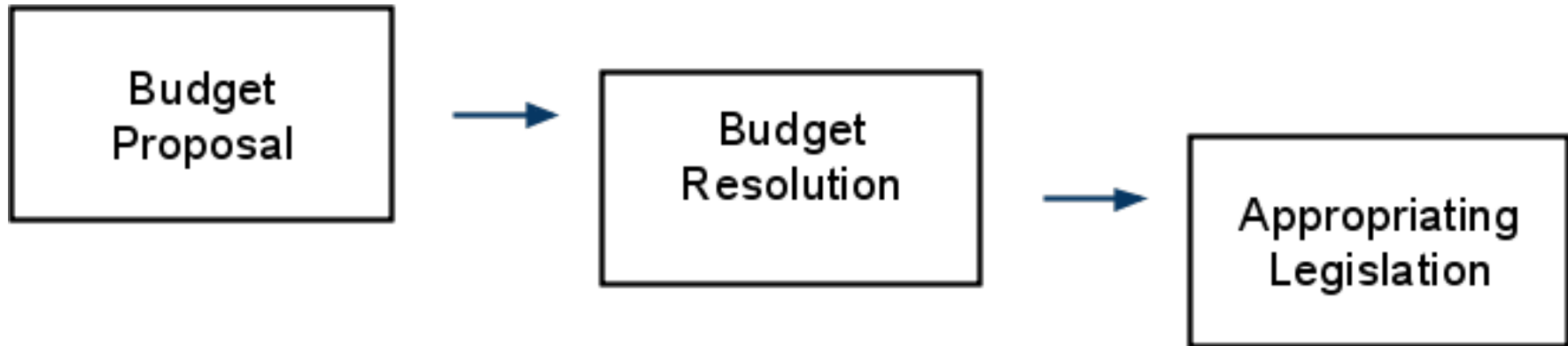
History at FDIC and SEC

Advantages:

- Describes fiscal matters
- Includes verifiable data by embedding rules
- Found at dependable URLs
- Flexible enough to cover federal specifics
- Emphasis on data and documentation in self-contained entity

Engineering XBRL into the Appropriations Supply Chain

Legislative Process



Engineering XBRL into the Appropriations Supply Chain

Executive Process



Considerations on Engineering XBRL into the Appropriations Supply Chain

1. Develop Taxonomy for Government Accounting
2. Build into Legislative Code Corresponding Fiscal Concepts
3. Apply New Legislative XML to Drafting Tools
4. Publish at the GPO for Intergovernmental and Public Access
5. Legislative Code to Executive Branch Systems
6. Develop Tools for Accounting that Uses and References Legislative, Regulatory and Other Rules
7. Publish Accounting Information in New Format
8. Create Contracts for Procurements, Grants and other Disbursements that Use Same Code and References
9. Publish all Relevant Documents, Reports and Filings with Appropriate Access
10. Document System Fully

What Do You Get?

- Ability to Cite with URL and Anchor any Fiscal Concept
 - Helpful for Civic Engagement (Connected Conversations)
 - Critical for Systems Using BLT (Business, Legal & Tech)
 - Basis for Trustworthy Reporting to Authentic Data
- Open Public Integrated Architecture
 - Fully Interoperable/mash-up
 - No need for custom APIs or Web Services
- Potential for Avoiding Segregating Data from Direct Reading by Human (more trust when people can read source -XSLT)
- Allowing Sophisticated Oversight by Congress and Public

Specific Instance

Laws, rules, and regulations

Some codified non-SEC standards make reference to laws, rules, regulations (Acts), and other standards issued by entities other than the FASB. In cases where such content was included in the Codification, users must be aware that the FASB did not evaluate whether such regulations, laws, or similar items are still current. In many cases, the team inserted text similar to the following paragraph:

Any references to various laws, rules, or regulations established by others shall not be considered definitive interpretations of such laws, rules, and regulations for any purpose. Laws, rules, and regulations may change over time and the standard FASB process will not update the Codification for such changes. Therefore, users must evaluate the current laws, rules, or regulations to ensure that the prescribed accounting continues to correlate with the laws, rules and regulations.

In cases where the above text was not included, users must be aware that the FASB does not take responsibility for the current state of such items.

If you find any discrepancies between the content in the Codification and current laws, rules, and regulations, the FASB asks that you use the content feedback feature of the Codification Research System to submit your comments.

Get Involved

- Take part in the suite of eCitizen Foundation's SEC Edgar Filing Activities
 - eLearning Module for free posting online
 - workshops
 - other educational outreach to stakeholders
- Participate in eCitizen Foundation's Second Generation XML for Legislative Documents Project
- Participate in W3C eGovernment Interest Group
- Participate in the XBRL.org
- Follow work in [Working Group on XML in Parliament](#)
- Help bridge the Gap

Presentation by Daniel Bennett

Bio

Daniel Bennett is the Chief Technology Officer of the eCitizen Foundation which is dedicated to helping improve civic engagement. He is currently an invited expert of the W3C's eGov Interest Group, member of the Global Centre for ICT in Parliament's Working Group on XML in Parliament, and recently served the Institute for Politics, Democracy & the Internet as a Practitioner-in-Residence. Previously, Daniel Bennett was the Chief Technology Officer of @dvocacy Inc. He co-founded DotGov Communications, the first private webhoster for Members of Congress. Daniel was Technology Liaison for Congresswoman Anna Eshoo, representative from California 's Silicon Valley for whom he drafted the Government Paperwork Elimination Act, the first federal law making electronic signatures legal and that forms were to be put on the Internet so that they could be signed and submitted electronically. He also co-drafted the ESIGN Act allowing electronic signatures for commercial use. He served as president of the House Systems Administrators Association, co-chair of the Legislative Documents Technical Committee of OASIS/LegalXML and won the Federal Computer Week's Fed 100 Award in 2000. He is a writer on technology and politics, including co-author of "The Net Effect: How Cyberadvocacy is Changing the Political Landscape" and was a columnist for The Cloakroom, a web site for the National Journal.