



Update on BEA Management, Communication, and IT Activities

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BEA Advisory Committee
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Greater collaboration and integration ...



OD • OCE • OCS • OCIO • NATIONAL • INTERNATIONAL • REGIONAL • INDUSTRY • CD • ASD

“One BEA” goals

- Better integration of statistical programs and products
- Better integration of administrative and support services
- More collaboration by staff
- Greater emphasis on common methods, techniques, and technologies
- Better sharing of knowledge and research
- Improved overall communications

Initial efforts

- Collaboration on statistical projects—e.g., prototype Quarterly GDP by Industry Statistics
- Bureau-wide teams to review methodology and estimates
- Focus groups to identify administrative, communications, and IT needs
- Web site redesign to focus on products and customers
- Expanded “brown bag” seminars to better share cross-directorate research

Improved data dissemination

ESA Data Dissemination Workgroup

Goal: Identify areas for improvement via increase in ESA/Census/BEA collaboration.

- Harmonize data products
- Harmonize agency websites
- Improve communications and customer service

BEA's Web site Usability Study

- Make the interactive applications more usable to intended audiences
- Identify the elements of a common, consistent interface for all applications
- Identify ways to make the interactive applications as efficient as possible
- Improve overall satisfaction with the applications

Web site redesign underway ...

The screenshot displays the BEA website's redesign. The header features the BEA logo and the text "U.S. Department of Commerce Bureau of Economic Analysis". Below the header is a navigation bar with tabs for "Home", "National", "International", "Regional", "Industry", and "Interactive Data". To the right of the navigation bar are links for "Contact Us", "FAQs", and "About BEA".

The main content area is divided into several sections:

- U.S. Economic Accounts**: This section is further divided into "National", "International", "Regional", and "Industry" categories, each with a list of related topics and links.
- Real GDP**: A section showing the latest GDP data, including a link to "1.8% in Q1 2011 (advance estimate)".
- Personal Income**: A section showing the latest personal income data, including a link to "+0.5% in March 2011".
- Int'l Trade in Goods and Services**: A section showing the latest trade data, including a link to "Deficit decreased to \$45.8 billion in February 2011(p) from \$47.0 billion in January 2011(r)".
- U.S. Int'l Transactions**: A section showing the latest international transactions data, including a link to "Current-account deficit decreased \$12.1 billion to \$113.3 billion in Q4 2010(p). Current-account deficit increased \$91.8 billion to \$470.2 billion in 2010(p)".

The left sidebar contains several sections:

- News**: Links to "U.S. Economy at a Glance", "Current Releases", and "News Release Archive".
- Information For...**: Links to "Media", "Congressional Users", "eFile Users", and "Job Seekers".
- Publications**: Links to "Survey of Current Business", "Papers by Topic", and "BEA Customer Guide".
- Resources**: Links to "Interactive Tables", "Research at BEA", and "FAQs".
- More**: Links to "Director's Page" and "Conferences".
- Tools**: Links to "A-Z Index", "Glossary", and "FAQs".

At the bottom of the page, there are links for "Contact Us", "Frequently Asked Questions", "About BEA", and "Policies". There are also links for "U.S. Economic Accounts", "National", "International", "Regional", "Industry", "News", "U.S. Economy at a Glance", "Current Releases", "News Release Archive", "Information For...", "Media", "Congressional Users", "eFile Users", "Job Seekers", "Publications", "Survey of Current Business", "Papers by Topic", "BEA Customer Guide", "Resources", "Interactive Data", "Research at BEA", "FAQs", "More", "Director's Page", and "Conferences".

New interactive tables

National Data [Sign In](#) [Register](#) [Help](#)

National Income and Product Accounts Tables

[NIPA Tables](#) [Interactive Data](#)

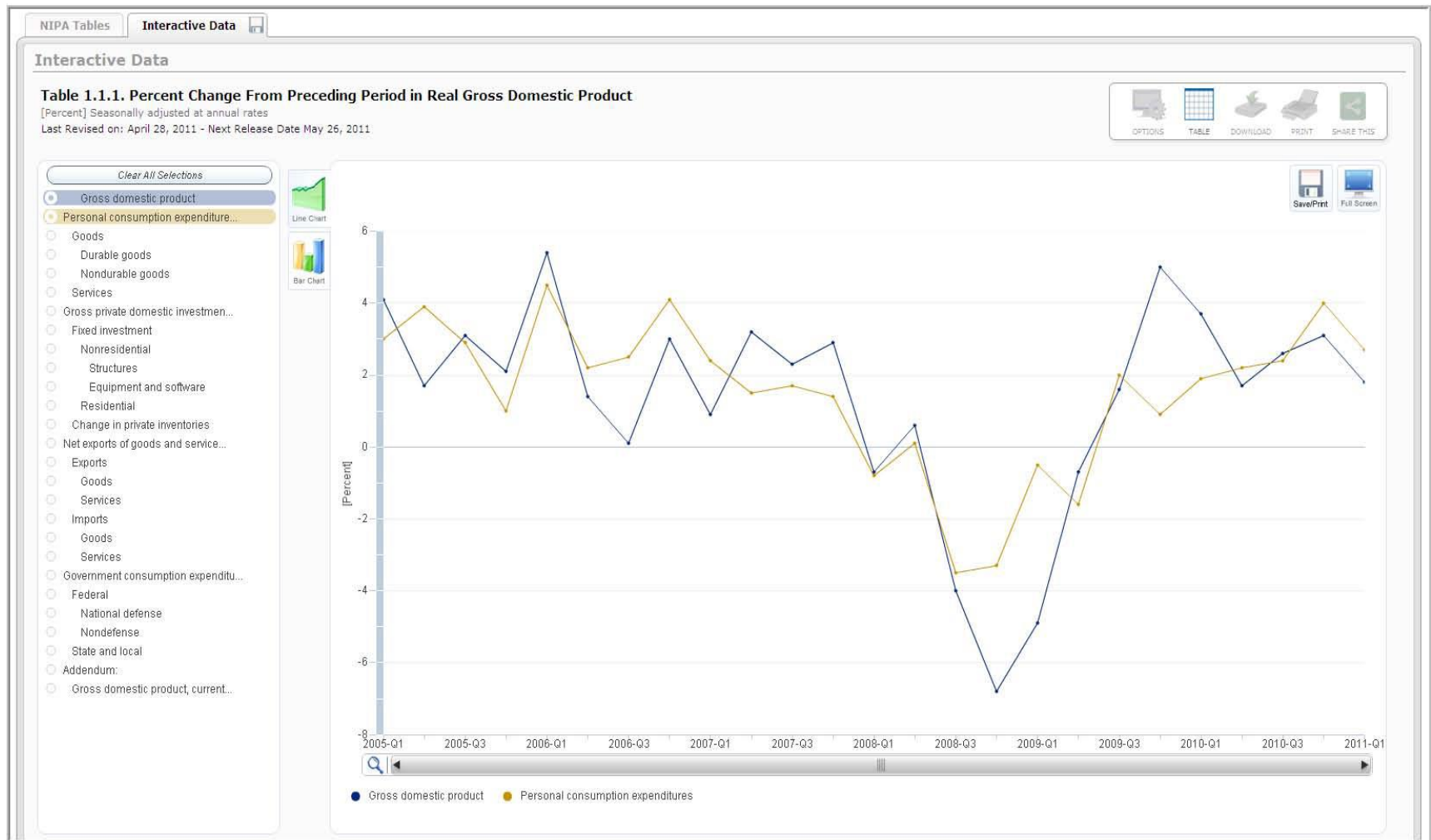
Interactive Data

Table 1.1.1. Percent Change From Preceding Period in Real Gross Domestic Product
[Percent] Seasonally adjusted at annual rates
Last Revised on: April 28, 2011 - Next Release Date May 26, 2011

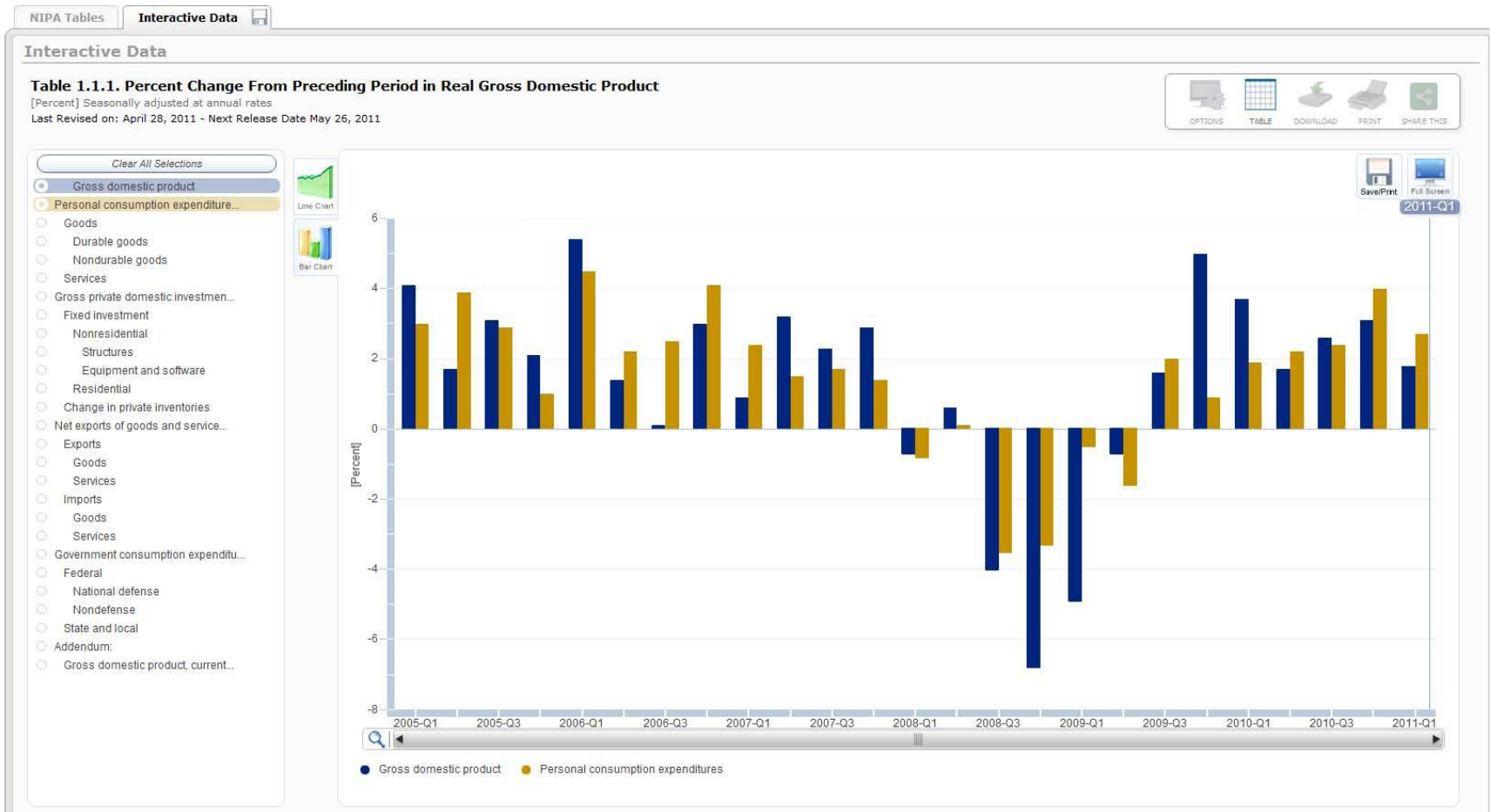
OPTIONS CHART DOWNLOAD PRINT SHARE THIS

Line		2005				2006				2007				2008				2009				2010				2011
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
1	Gross domestic product	4.1	1.7	3.1	2.1	5.4	1.4	0.1	3.0	0.9	3.2	2.3	2.9	-0.7	0.6	-4.0	-6.8	-4.9	-0.7	1.6	5.0	3.7	1.7	2.6	3.1	1.8
2	Personal consumption expenditures	3.0	3.9	2.9	1.0	4.5	2.2	2.5	4.1	2.4	1.5	1.7	1.4	-0.8	0.1	-3.5	-3.3	-0.5	-1.6	2.0	0.9	1.9	2.2	2.4	4.0	2.7
3	Goods	3.9	5.7	3.1	-1.1	7.5	0.7	3.3	5.9	2.3	1.4	2.4	1.1	-5.8	0.3	-7.7	-10.8	1.8	-1.5	7.2	1.7	5.7	3.4	4.1	9.3	4.8
4	Durable goods	2.7	11.7	4.8	-9.7	17.0	-1.0	4.5	5.6	4.6	4.6	3.8	2.4	-10.8	-2.9	-12.0	-22.3	4.8	-3.1	20.1	-1.1	8.8	6.8	7.6	21.1	10.6
5	Nondurable goods	4.7	2.5	2.1	3.9	2.6	1.6	2.6	6.1	1.1	-0.2	1.7	0.5	-3.0	2.0	-5.5	-4.9	0.4	-0.7	1.7	3.1	4.2	1.9	2.5	4.1	2.1
6	Services	2.5	2.9	2.8	2.2	2.9	3.0	2.1	3.1	2.4	1.6	1.4	1.5	1.9	0.0	-1.3	0.6	-1.6	-1.7	-0.5	0.5	0.1	1.6	1.6	1.5	1.7
7	Gross private domestic investment	8.8	-7.0	4.5	15.1	6.0	-0.6	-5.5	-10.9	-3.6	9.5	-2.9	-9.4	-9.4	-7.6	-12.5	-36.8	-42.2	-18.5	11.8	26.7	29.1	26.2	15.0	-18.7	8.5
8	Fixed investment	5.0	7.3	5.2	1.5	9.5	-1.9	-5.0	-5.3	-1.0	3.7	-1.2	-4.8	-6.2	-4.6	-11.9	-24.9	-35.4	-10.1	0.7	-1.3	3.3	18.9	1.5	6.8	0.7
9	Nonresidential	3.7	6.0	5.8	2.2	18.0	7.3	4.4	2.3	6.8	11.1	9.4	5.7	2.0	-1.6	-8.6	-22.7	-35.2	-7.5	-1.7	-1.4	7.8	17.2	10.0	7.7	1.8
10	Structures	7.4	-1.5	-8.1	2.5	18.9	22.4	10.3	1.5	10.7	28.0	24.3	7.4	-0.1	7.5	-3.6	-8.9	-41.0	-20.2	-12.4	-29.2	-17.8	-0.5	-3.5	7.6	-21.7
11	Equipment and software	2.4	8.7	11.2	2.3	17.8	2.1	2.2	2.8	5.1	4.3	2.9	4.8	3.0	-6.0	-11.1	-29.5	-31.6	0.2	4.2	14.6	20.4	24.8	15.4	7.7	11.6
12	Residential	7.5	9.6	4.2	0.1	-4.2	-16.9	-21.2	-19.7	-16.4	-12.0	-24.1	-29.3	-27.9	-14.0	-22.6	-32.6	-36.2	-19.7	10.6	-0.8	-12.3	25.7	-27.3	3.3	-4.1
13	Change in private inventories	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14	Net exports of goods and services	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15	Exports	7.6	8.8	0.1	10.5	16.5	6.9	0.6	17.8	6.4	6.8	15.8	11.6	5.7	13.2	-5.0	-21.9	-27.8	-1.0	12.2	24.4	11.4	9.1	6.8	8.6	4.9
16	Goods	8.4	13.8	-1.1	11.8	17.8	7.4	0.2	13.1	12.9	7.6	12.8	9.9	9.6	14.5	-4.3	-26.6	-34.1	-3.7	18.7	31.7	14.0	11.5	5.8	11.1	7.8
17	Services	5.9	-1.7	2.9	7.4	13.6	5.6	1.5	29.1	-6.9	4.9	23.0	15.7	-2.8	10.2	-6.6	-9.8	-12.3	4.7	0.1	10.2	5.8	3.9	8.9	3.0	-1.7
18	Imports	2.3	4.5	2.5	11.7	7.8	4.5	4.9	-0.5	4.6	4.6	5.0	-10.6	-1.4	2.9	-0.1	-22.9	-35.3	-10.6	21.9	4.9	11.2	33.5	16.8	-12.6	4.4
19	Goods	3.5	4.8	2.7	12.1	6.3	5.0	5.5	-2.3	6.8	4.8	5.1	-11.8	-3.3	4.6	-1.0	-28.3	-38.9	-10.6	27.4	6.2	12.0	40.5	17.4	-14.2	5.9
20	Services	-3.7	2.6	1.2	9.5	16.1	1.8	1.3	10.0	-6.3	3.6	4.4	-4.0	9.4	-6.0	5.0	11.7	-16.8	-10.9	1.5	-0.5	7.8	4.3	14.2	-4.1	-2.7
21	Government consumption expenditures and gross investment	0.4	0.4	3.7	-1.8	4.1	0.3	0.6	1.1	-0.5	3.4	3.5	1.2	2.3	3.3	5.3	1.5	-3.0	6.1	1.6	-1.4	-1.6	3.9	3.9	-1.7	-5.2
22	Federal	1.7	0.4	9.7	-6.5	11.9	-3.4	-0.4	1.1	-4.8	7.1	9.6	1.1	6.9	7.8	14.2	8.1	-5.0	14.9	5.7	0.0	1.8	9.1	8.8	-0.3	-7.9
23	National defense	3.6	3.1	11.1	-14.3	10.5	1.1	-1.9	8.5	-7.2	8.3	10.2	0.0	6.8	6.9	19.7	5.2	-8.4	16.8	9.0	-2.5	0.4	7.4	8.5	-2.2	-11.7
24	Nondefense	-2.1	-5.0	6.8	11.7	14.7	-11.6	2.9	-12.7	0.5	4.7	8.2	3.4	6.9	3.0	14.8	2.6	10.9	-0.9	5.6	5.0	12.8	9.5	3.7	0.1	
25	State and local	-0.4	0.5	0.3	1.1	-0.3	2.6	1.2	1.1	2.1	1.3	0.2	1.3	-0.3	0.8	0.3	-2.4	-1.7	1.0	-1.0	-2.3	-3.8	0.6	0.7	-2.6	-3.3
26	Addendum: Gross domestic product, current dollars	8.0	4.5	7.4	5.6	8.6	5.1	3.2	4.8	5.3	6.5	4.4	3.8	1.0	4.1	0.4	-7.9	-3.9	-0.4	2.3	4.7	4.8	3.7	4.6	3.5	3.7

Customized graphs and charts



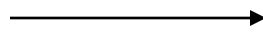
Customized graphs and charts





IT Modernization: Background

Environment:



Resulted in:

- Large data volumes
- Complex calculations
- Fragmented business knowledge spread out among analysts
- Numerous business tools used
- Limited time for review

- Too many system components
- Spread across numerous technologies
- Difficult to
 - manage
 - verify correctness
 - make meaningful interconnections
 - adopt upgrades to methodologies

Initial results

- National
 - NIPA Estimation 20x faster
 - Benchmark processing was reduced from 2 days to 1 hour
 - Current estimate processing now takes 5 minutes
- Industry
 - Balance “use” tables 6x faster--processing was reduced from 3 days to ½ day
- International
 - Estimation, Aggregation & Disclosure 3x faster—processing reduced from 6 weeks to 2 weeks

Benefits of IT modernization

- Greater accuracy
- Improved timeliness
- Improved relevance
- Greater efficiency
- Enhanced security

Next steps

- Funding request in President's FY2012 budget
- Continue program area/IT partnerships
- Expand existing work to include:
 - Quarterly GDP-by-Industry
 - Quarterly State Personal Income
 - Local Area Personal Income and Employment