

**NITRD** Networking and  
**ITRD** IT R&D

**CIC** computing, info and comm  
**HPCC** and communication  
**HPC** high-performance computing

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# NITRD and the NCO

- NITRD: an interagency program to enhance coordination and collaboration of the IT R&D that is performed and supported by Federal agencies
- NCO: National Coordination Office-- provides support for the NITRD Program, reports to OSTP, and interfaces for NITRD with OMB, GAO, Congress, etc.

# Member Agencies

- DoC
  - NOAA
  - NIST
- DoD
  - OSD
  - HPCMOD
  - DARPA
  - Service Res Orgs
- DoE
  - - SCI
  - - NNSA
  - - OE
- DHS
- EPA
- HHS
  - AHRQ
  - NIH
  - ONC
- NARA
- NASA
- NRO
- NSA
- NSF

# NITRD PCAs

(program component areas)

- Cyber Security and Information Assurance
- High-End Computing (R&D and I&A)
- High Confidence Software and Systems
- Human Computer Interaction and Info Mgmt
- Large Scale Networking
- Social, Economic, and Workforce Implications
- Software Design and Productivity

# NITRD SSGs (senior steering groups)

- Big Data -> HCI&IM
- CPS -> HCSS
- Cybersecurity -> CSIA
- Health IT R&D ->
- Wireless Spectrum R&D -> LSN

## FY 2012 Budget Estimates

	HECia	HECrd	CSIA	HClim	LSN	HCSS	SDP	SEW	Total
NSF	250	103	98	292	122	85	78	110	1,138
DoD	211	49	145	111	112	36	30		694
NIH	222	18		215	12	10	54	22	553
DOE	317	92	34		74	4	16	6	543
DARPA		75	223	138	53				489
NIST	14	5	47	15	8	6	4	1	100
NASA	61			14	1	18	9		103
DHS			43		1		3		47
AHRQ				25	1				26
NOAA	19				2		1		22
DOEnnsa	9	5						4	18
EPA	3			3					6
NARA				1					1
<b>Total</b>	<b>1,107</b>	<b>347</b>	<b>590</b>	<b>814</b>	<b>385</b>	<b>158</b>	<b>196</b>	<b>143</b>	<b>3,739</b>

# NITRD Strategic 2012 Plan

- “We Compute”
- Trust and Confidence
- Cyber-ready Society

# The Future is Bright

- NIT R&D
  - IST R&D? --Computing R&D?
    - Informatics R&D?
- Whatever we call it, science and society depend on it more every year!
- Enhanced NIT R&D is critical
  - to fulfilling the promise of NIT for society
  - to enhancing American competitiveness
  - to furthering the missions of NITRD Agencies