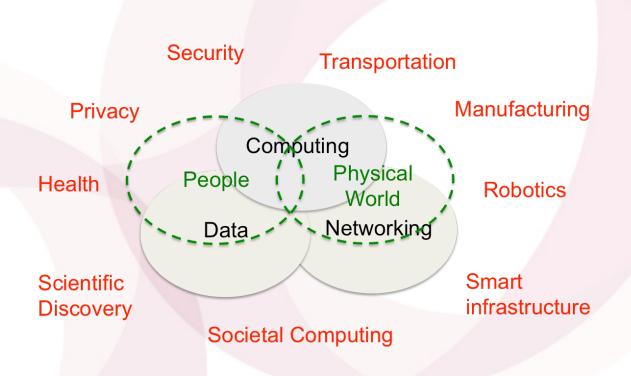
COMPUTING: GROWING IN EVERY DIMENSION

Rank	First quarter ^[8]
1	Apple Inc. ▲596,988.7
2	Alphabet ▼ 511,445.1
3	Microsoft ▼434,130.1
4	Berkshire Hathaway ▲349,813.4
5	Exxon Mobil ▲346,616.5
6	Facebook ▲326,357.8
7	Johnson & Johnson ▲300,604.4
8	General Electric ▼295,545.7
9	Amazon Inc. ▼280,095.8
10	Wells Fargo ▼246,035.0

Top 10 US Companies by Market Capitalization



A Perspective on the CS Research Ecosystem From the 2015 Review of the NITRD Program



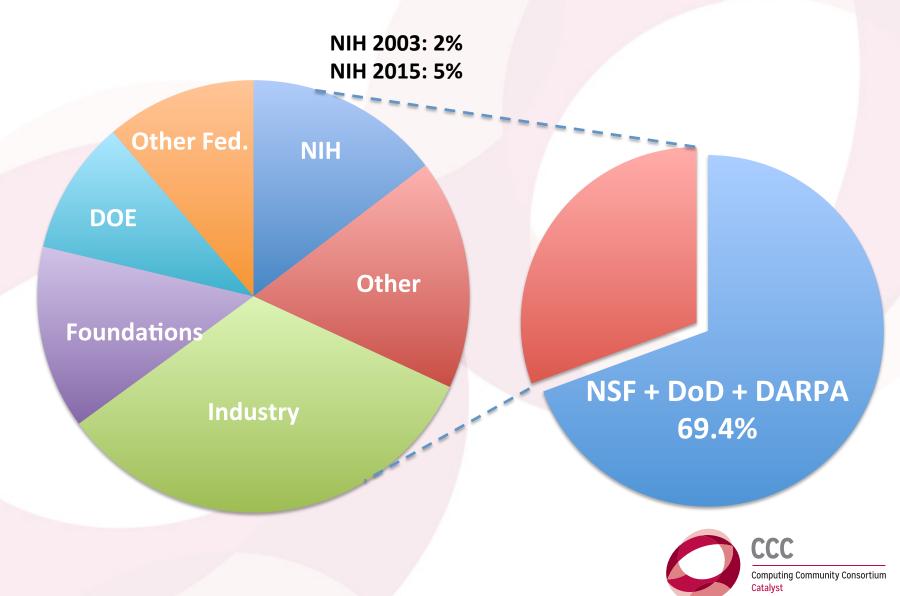
COMPUTING: GROWING IN EVERY DIMENSION



Top 10 US Companies by Market Capitalization

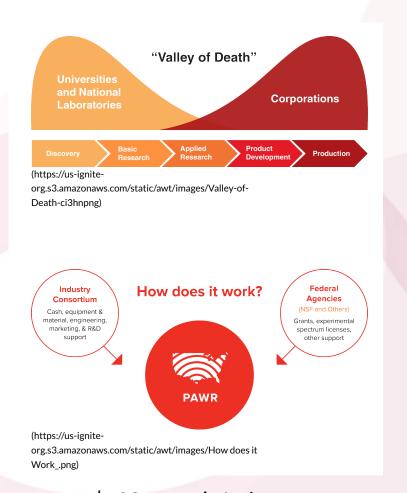


CS RESEARCH FUNDING PORTFOLIO



Source: 2015 Taulbee Survey, Table R2

GROWING CS – THINK OUTSIDE THE BOX



\$400M gov't-industry partnership around wireless



\$300M effort that will require new computing research



GROWING CS – THINK OUTSIDE THE BOX



NSF 16-106

DEAR COLLEAGUE LETTER: EXPLORING MECHANISMS TO ENHANCE THE ECONOMIC AND SOCIETAL IMPACTS OF FUNDAMENTAL ADVANCES IN INFORMATION AND COMMUNICATIONS TECHNOLOGIES

Some helpful resources



http://cra.org/ccc/events/computing-innovation-societal-needs-the-impact-of-computing-research/



http://cra.org/ccc/events/ai-social-good/



... AND LEAVE NO STONE UNTURNED



Image from Google

