

The Computing Community Consortium: Why, What, Who, How?

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On behalf of the

Computing Research Association

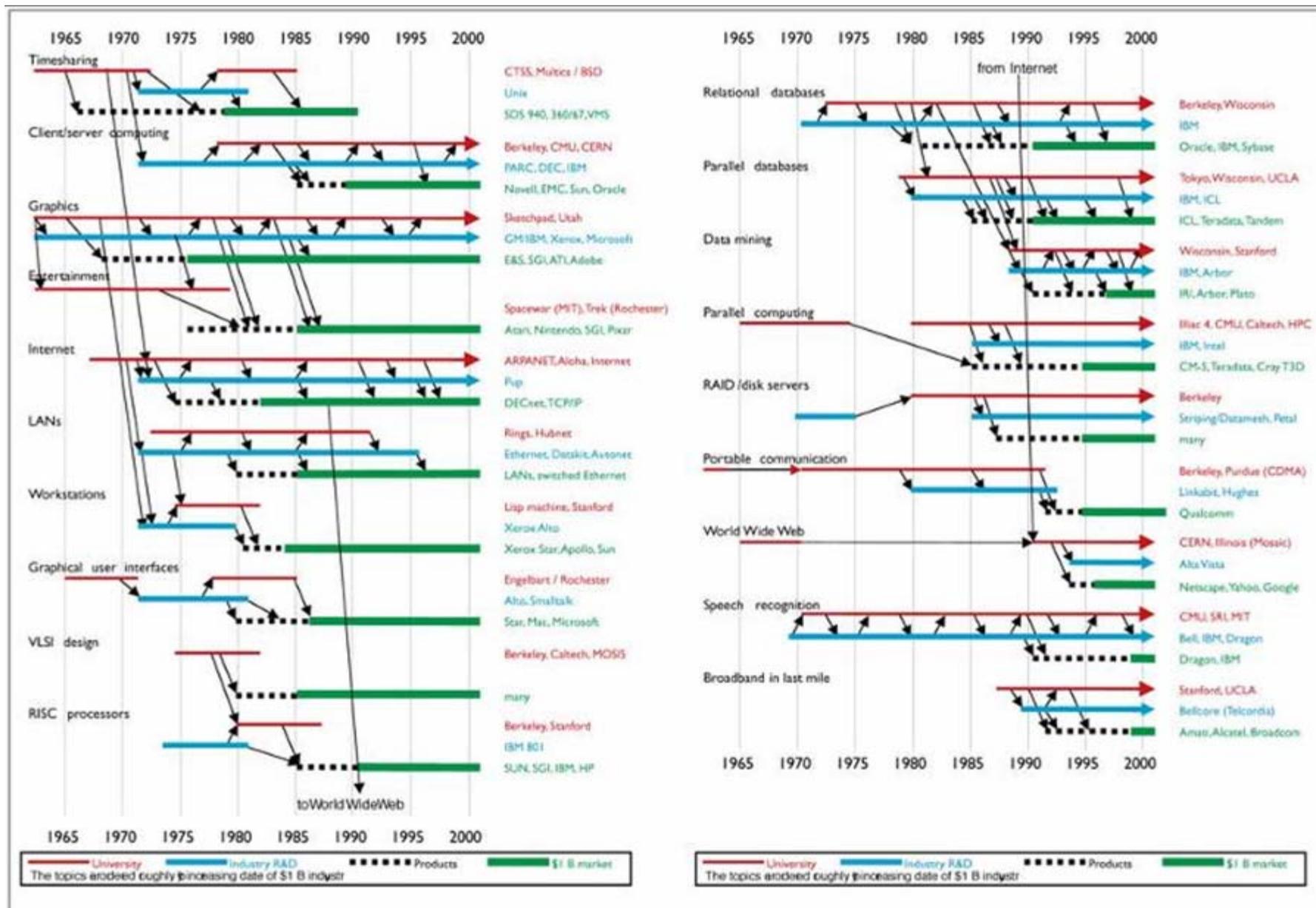
<http://www.cra.org>



Why A CCC?

- **What questions shape our intellectual future?**
- **What attracts the best and brightest minds of a new generation?**
- **What are the next big computing ideas?**
 - that will define the future of computing
 - galvanize the very best students
 - catalyze research investment and public support
- ***Computing Community Consortium purpose***
 - *create compelling research visions*
 - *create the mechanisms to realize these visions*

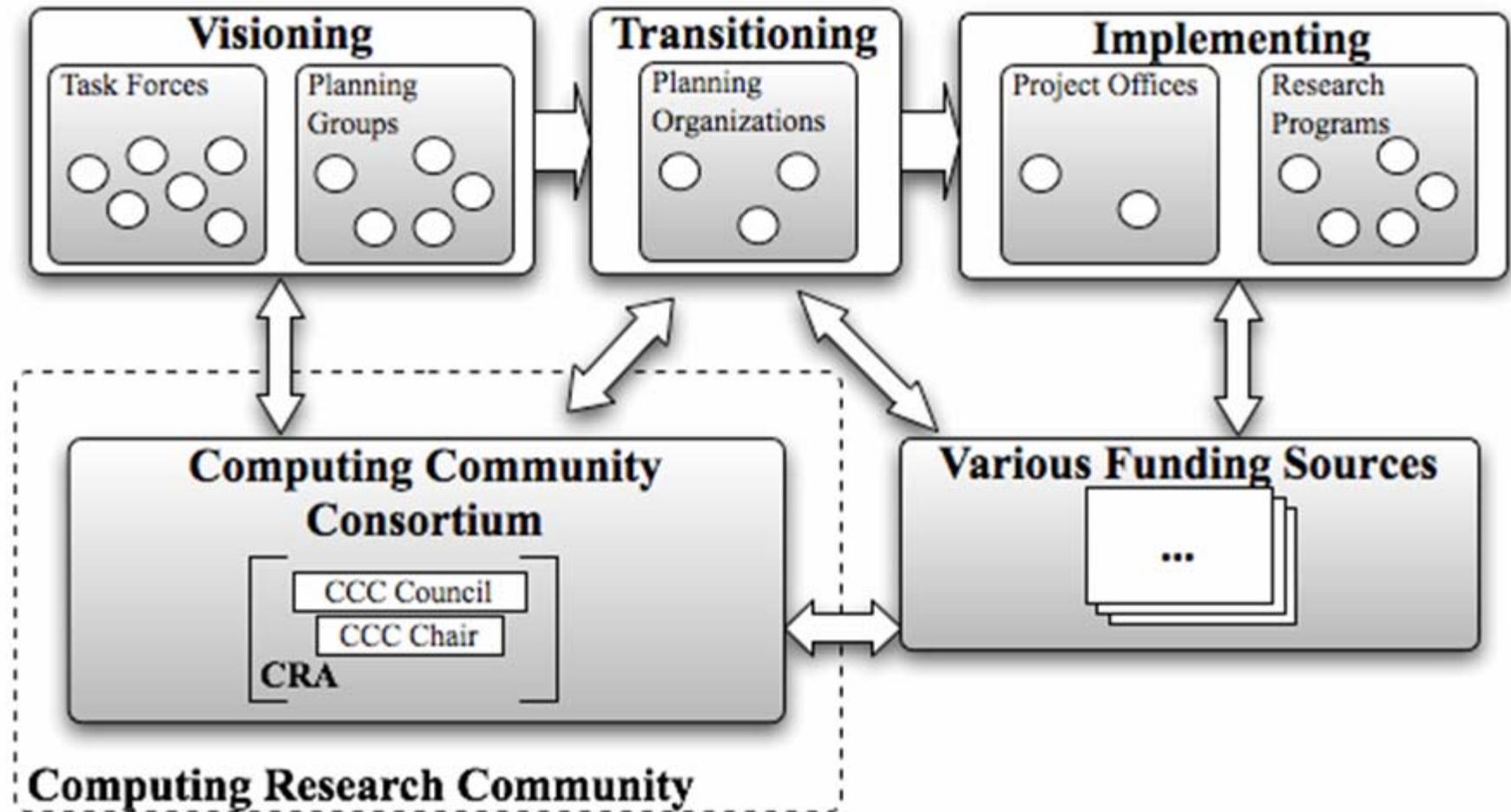
Computing's Impact: Billion Dollar Industries



The CCC Challenge

- **Catalyze the computing research community**
 - debate long range, more audacious research challenges
 - build consensus around research visions
 - articulate those research visions
 - work with funding organizations to move the challenges and visions toward funding initiatives
- **Do this without harming the research environment**
 - that has created the computing world of today

How Will The CCC Work?



Who Will Be The CCC?

- **Broadly inclusive**
 - the entire computing research community
- **Welcome participation**
 - any computing researcher who wishes to be involved
- **The CCC Council's role**
 - stimulate and facilitate visioning
 - NOT to do the visioning
- **A Cooperative Agreement with CISE**
 - Will be an interactive partnership

Relationship to GENI

Not Interdependent

- GENI was impetus for CCC
- But CCC's mission and impact much broader

Serve as Proxy Organization

- Create the GENI Science Council
 - Work with GENI Planning Group to evolve GENI Science Plan
 - Work with GENI Project Office to ensure evolving design meets scientific needs
- Communicate with the computing research community regarding GENI
 - Expand community understanding of GENI
 - Maximize community participation in science plan, design, and use

Broader Impacts

General Public

- Promote computing as a thriving intellectual discipline
- Show role of information technology in tomorrow's world

Students

- Entice more students to enter computing-related fields
- Provide training opportunities for future leaders

Plans

Phase I Bootstrapping (Oct-Nov, 2006)

- Interim GENI Community Advisory Board
- Interim CCC Council
- Solicit nominations for chair & council members

Phase II Bootstrapping (March-May, 2007)

- Select chair & council members
- Commence operation

Steady State

- Council & chair members selected by combination of CRA & CCC with community input

Requirements for Success

- **Community Involvement**
 - **Computing community must believe in the mission & operation of the CCC**
- **Support from Funding Agencies**
 - **Funding agencies must be open to the directions identified by the visioning processes**
- **Effective Leadership**
 - **Dedicated and visionary people must be willing to serve as chair & council members**