THE COMPUTING COMMUNITY CONSORTIUM (CCC)
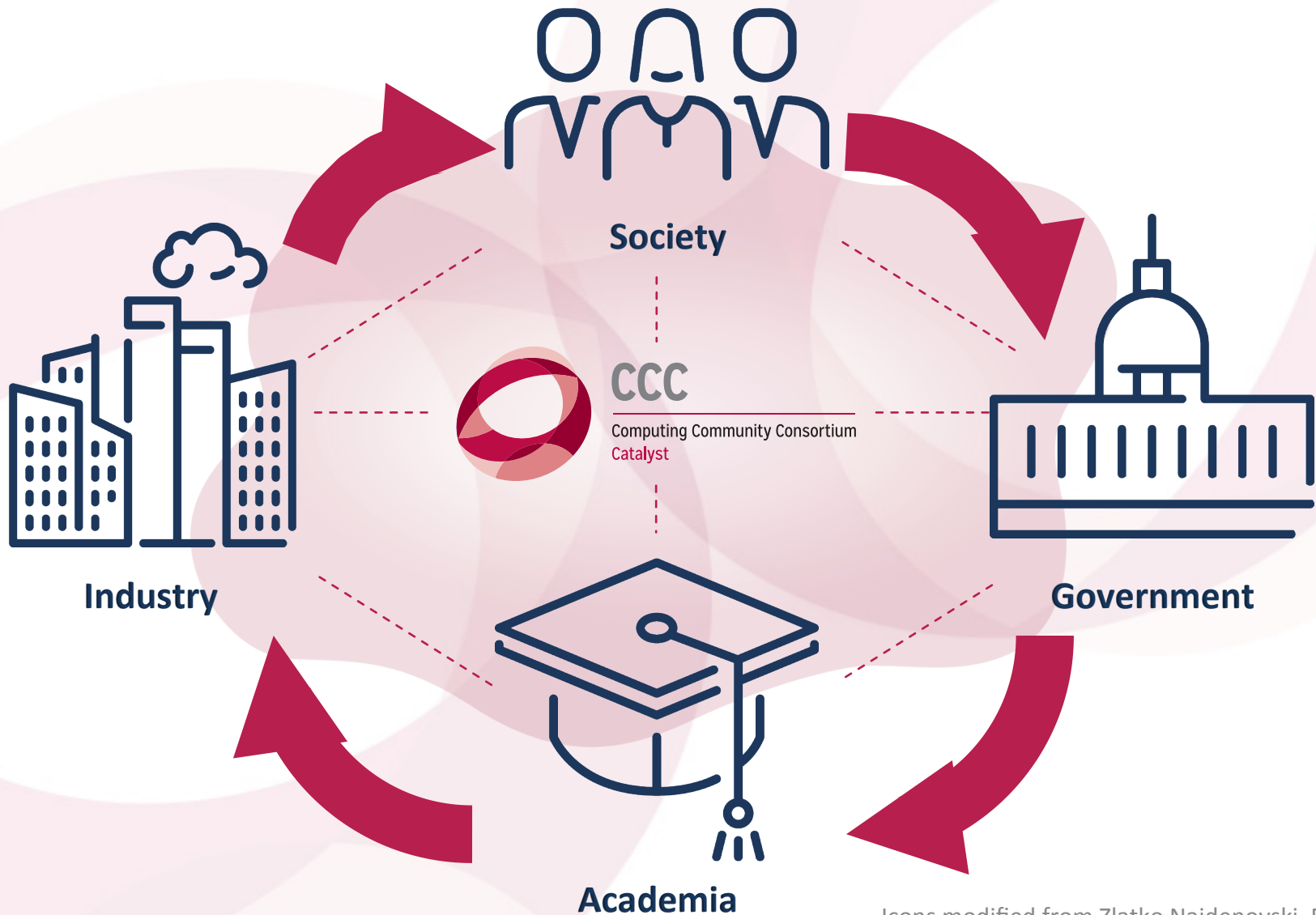
CCC

Computing Community Consortium
Catalyst

THE NEED FOR AUDACIOUS RESEARCH

Society

Industry

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Government

Academia

Icons modified from Zlatko Najdenovski, Flaticon

COMPUTING RESEARCH ASSOCIATION

To enhance innovation by joining with industry, government and academia to strengthen research and advance education in computing.
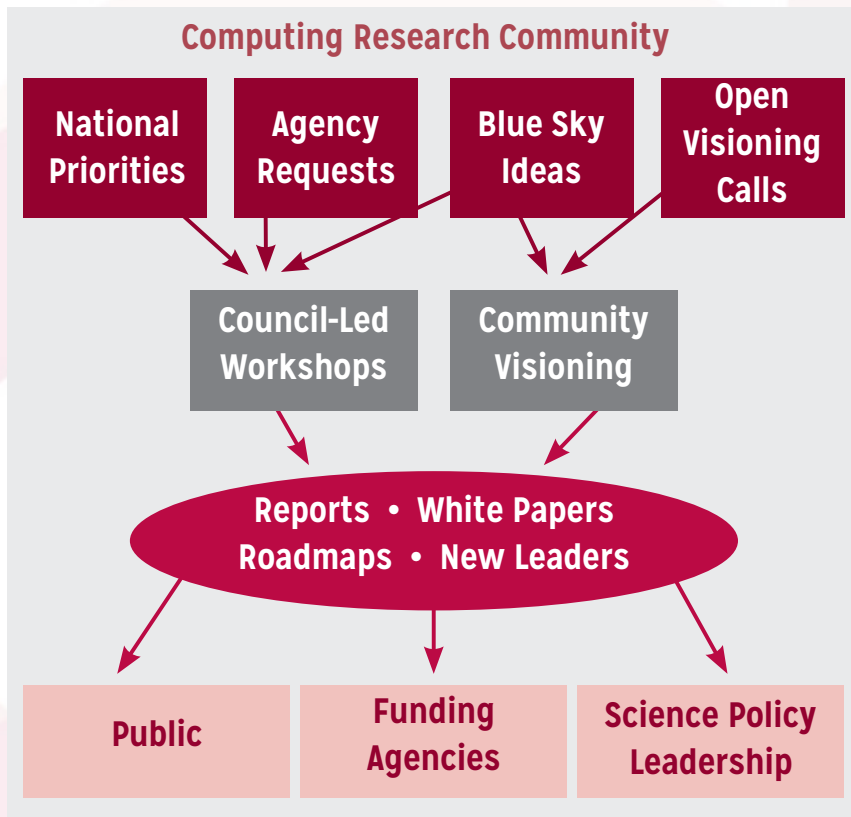
Founded in 1972, the current membership includes:
- 217 Academic Departments
- 11 Labs and Centers
- 6 Professional Societies
- 1 Associate Lab

COMPUTING COMMUNITY CONSORTIUM

The **mission** of Computing Research Association's Computing Community Consortium (CCC) is to **catalyze** the computing research community and **enable** the pursuit of innovative, high-impact research.

Computing Research Community

National Priorities	Agency Requests	Blue Sky Ideas	Open Visioning Calls

Council-Led Workshops

Community Visioning

Reports • White Papers Roadmaps • New Leaders

Public

Funding Agencies

Science Policy Leadership

Who
- Council – 20 members
- Chair, VC, & Director
- CCC/CRA Staff

Inputs: Bottom-up, Internal, & Top-Down

What:
- Workshops & Conf. Blue Sky Tracks
- Whitepapers & Social Media
- Reports Out (esp. to government)
- Biennial Symposium in DC

Talent Development
- Early Career Workshops & Participation
- Council Membership
- Leadership w/ Gov't (LISPI)

CCC TASK FORCES

Goal is for CCC to be **engaged in ongoing activities** around these topics, to **identify needs and opportunities** in each topic area, and to **take actions** (generating white papers, convening a workshop, publicizing information, etc.) that have the possibility of "moving the needle" for these topics.

- Include Council members and others from the community
- Small, agile, and somewhat ephemeral
- Meet on a regular basis and report at every Council meeting
- Task forces create…
  - targeted white papers to help inform agency-initiated investments in computing
  - new visioning activities that bridge the research needs of our computing with the mission needs of agencies

CCC 2018-2019 TASK FORCES

- Cybersecurity and Cybercrime
- Health and Human Computer Interaction
- Information Integrity and Provenance
- Intelligent Infrastructure
- Fairness and Accountability
- Systems and Architecture
- Industry Working Group: Transportation
- AI Roadmap Working Group

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CCC ACTIVITIES

Events for the Community

- – Visioning Workshops
- – Blue Sky Ideas Conference Tracks
- – Computing Research Symposia: Addressing National Priorities and Societal Needs
- – Early Researcher Symposium
  - • Summer 2018

Website Features

- – CCC Blog (http://cccblog.org)
- – Great Innovative Ideas

Leadership Opportunities

- – Postdoc Best Practices
- – Computing Innovation Fellows (CIFellows) Project
- – Leadership in Science Policy Institute (LiSPI)

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RELATED WORK TO GCTC PSSC

CCC Events for the Community

- October 2017
  - Computing Research Symposia: Addressing National Priorities and Societal Needs
    - Intelligent Infrastructure for our Cities and Communities
    - Security and Privacy for Democracy
- December 2016 and August 2017
  - Sociotechnical Cybersecurity Workshops

Participation in Outside Events

- American Association for the Advancement of Science, 2018
  - *Rethinking Approaches to Disaster Management and Public Safety with Intelligent Infrastructure*
  - *Transforming Cities, Transportation, and Agriculture with Intelligent Infrastructure*

CCC White Papers

- Spring 2017
  - *A National Research Agenda for Intelligent Infrastructure*
- February 2017
  - *Safety, Security, and Privacy Threats Posed by Accelerations Trends in the Internet of Things*

HOW CAN WE WORK TOGETHER?

- Roundtable Discussions
- White Papers to Support Initiatives
- Visioning Workshops
- Community Building Across Computing
- New Collaborations for Research
- …

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