

**CNS-UCSB**

Center for Nanotechnology in Society

# Center for Nanotechnology in Society

## University of California, Santa Barbara

NSF Nanotechnology in Society  
Network PI meeting, Mar 15-16, 2007

Barbara Herr Harthorn, Co-Director  
W. Patrick McCray, Co-Director



[cns.ucsb.edu](http://cns.ucsb.edu)

# Center for Nanotechnology in Society (CNS-UCSB)

## Mission and Research Focus

- **Center Start:** January 2006
- **Vision:** To serve as a national research and education center, a network hub among researchers and educators concerned with nanotechnologies' societal impacts, and a resource base for studying these impacts in the US and abroad.
- **Research Focus:** Innovative, Interdisciplinary, Global/International, Comparative, and Multi-Method
  - Historical underpinnings of nano policy, nanoscience, and nano's societal connections
  - Institutional and industrial processes of technological innovation of nanotechnologies along with their global diffusion and comparative impacts
  - Social response to nano—experts' and publics' social intelligence, traditional and new media nano coverage, and nano collective action organizations and networks

# Our Primary Research Initiatives

- **Working Group 1 (McCray)**
  - Historical context of the nano-enterprise (**Lenoir, Mody**)
- **Working Group 2 (Newfield, Appelbaum)**
  - Nanoscience innovation system (**Barnett, Mowery, Scotchmer, Folodari**)
  - Global nano development (China, E Asia) (**Gereffi, Lenoir, Xu**)
- **Working Group 3 (Harthorn, Bimber)**
  - Risk Perception (experts, publics) (Pidgeon, Satterfield, Bray)
  - Public engagement (Pidgeon, Rogers-Hayden)
  - Societal response (media coverage, collective action) (Ackland, O'Neil)

# National and International Collaborations

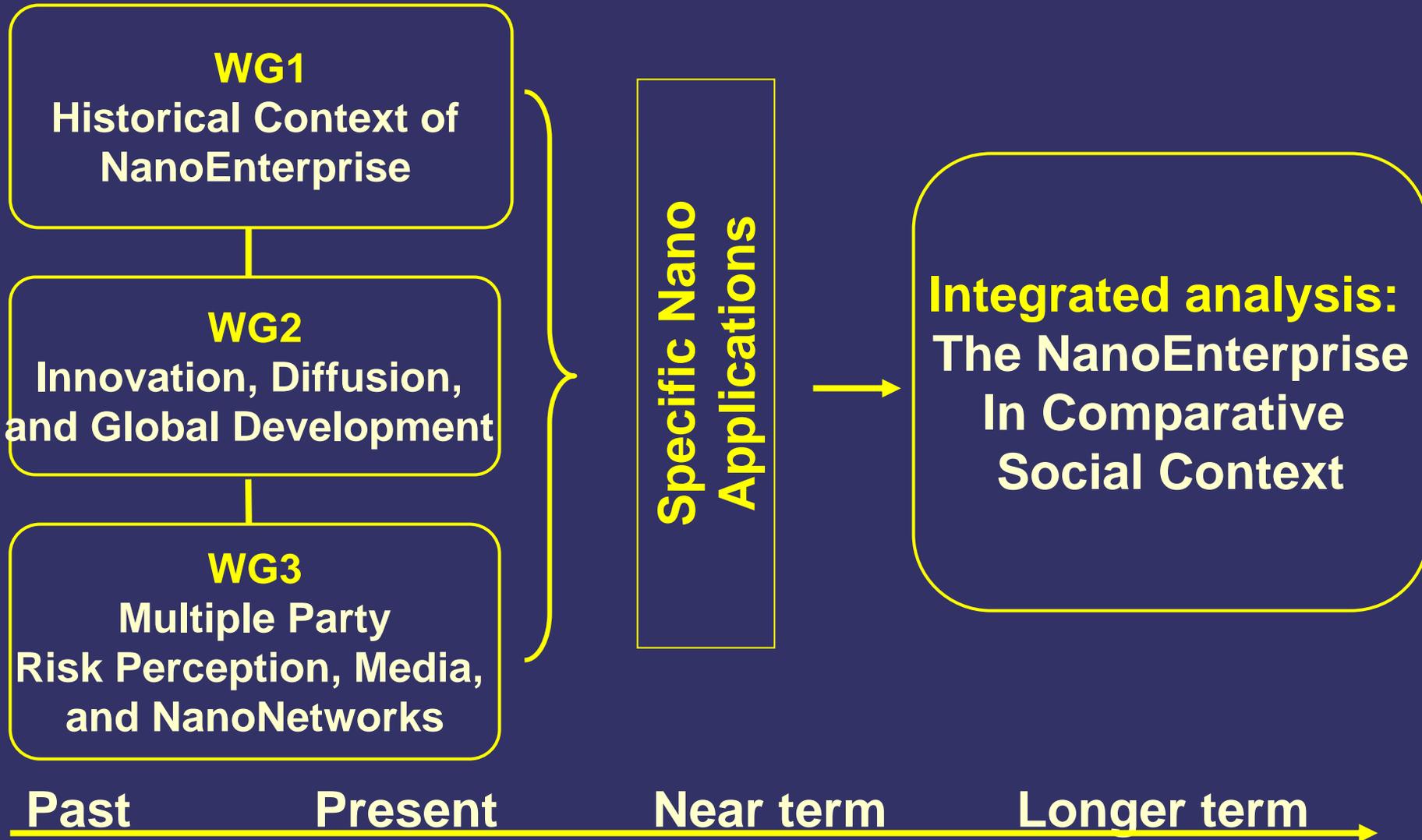
## United States

- UC Berkeley (Mowery, Scotchmer), UC Santa Cruz (Barnett)
- Duke University (Gereffi, Lenoir)
- Chemical Heritage Foundation (Mody)

## International

- Australian National University (Ackland, O'Neil)
- Cardiff University, Wales, UK (Pidgeon, Rogers-Hayden)  
(→Univ of E Anglia, UK)
- Univ. of British Columbia, CA (Satterfield, Kandlikar)
- Univ. of Edinburgh, UK (Bray)
- China National Academy of Nanotechnology and Engineering (CNANE) (Xu)—in progress
- Universidad Autónoma de Zacatecas, Mexico (Folodari)—in progress

# CNS-UCSB Research Program



# Graduate and Undergraduate Education

- **Graduate Research Fellowships**
  - 5 per year in the social sciences and humanities
  - 4 per year for science and engineering students
  - Students work collaboratively in the working groups
- **New graduate courses and doctoral emphasis**
- **5-->7 Undergraduate Summer Research Internships**
  - 4 community college (diversity outreach)
  - 3 university
- **Undergraduate courses** (partnered w/ CNSI, LEAPS, INSCITES, History of Science, Women's Studies)
- **Weekly Meeting/Seminar Series**
- **Visiting Scholars**

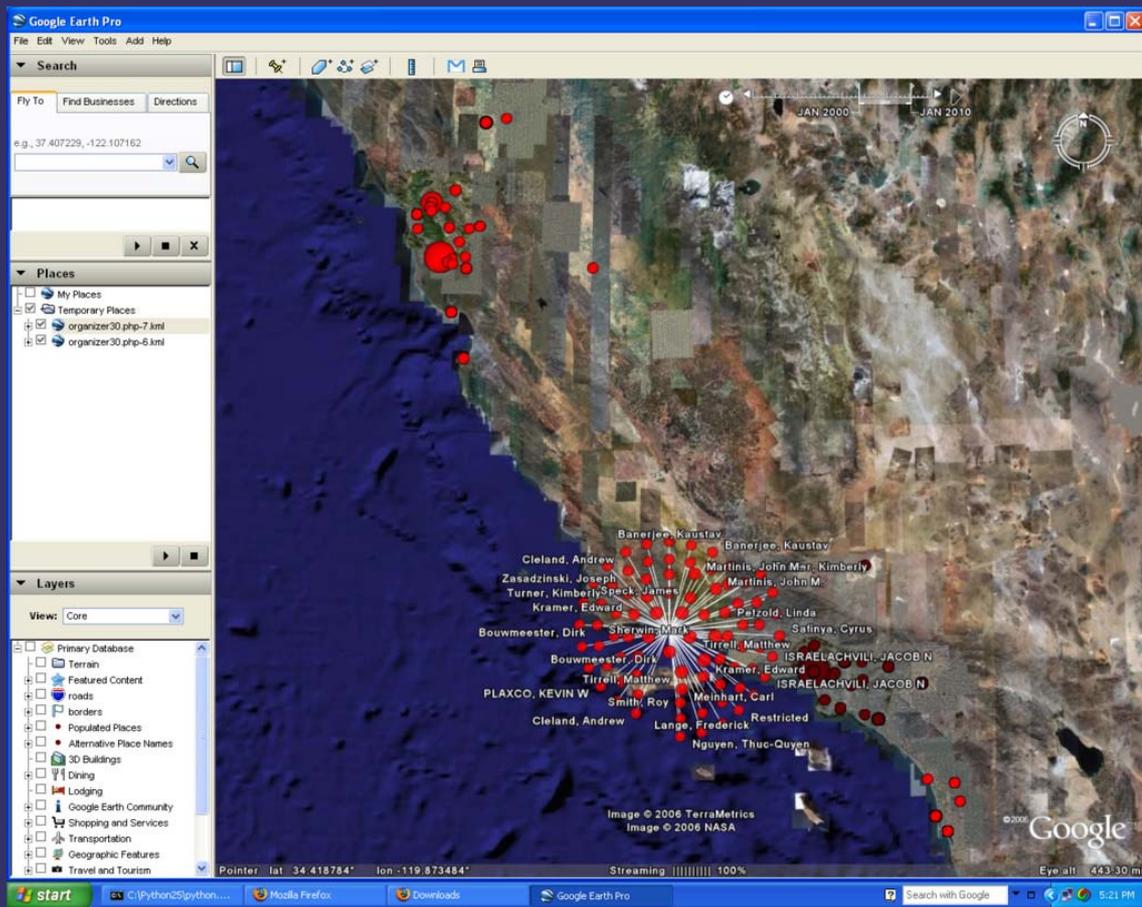
# CNS-UCSB's Distinctive Features

- Multifaceted ties with nanoscale scientists and engineers (Calif NanoSystems Institute partner)
- California new technology base; position on the Pacific Rim; global scope
- Integration of research, administration, education, and engagement at core
- Focus on social equity
- Time: Systematic attention to nano's past, present, near term, and more distant futures
- Space: Spatial analysis and spatial data visualization to enhance public participation



# CNS Tools for Research and Engagement

- Spatial analysis
- Clearinghouse
- Webpage
- Blog
- Media outreach
- NanoCafé
- Conferences
- Specialist meetings



# CNS-UCSB

## Center for Nanotechnology in Society

About CNS-UCSB

Research at CNS-UCSB

Education & Outreach

Resources & Publications

News & Events

Nanotechnology & Society

Links

Site Map

Contact Us

CNS Home



### ANNOUNCEMENTS

[CNS-UCSB Announces 2006-2007 Graduate and Undergraduate Fellowships](#)

[CNS-UCSB To Share ICON Funding to Study Nanotechnology Best Practices](#)

[Public Launch Event for the CNS-UCSB](#)

[MORE >](#)



Center for Nanotechnology in Society

University of California, Santa Barbara CA, 93106-2150, 805-893-3350, FAX: 805-893-7995

**For more  
Information:  
[cns.ucsb.edu](http://cns.ucsb.edu)**

**CNS-UCSB and its activities are funded by the National Science Foundation under cooperative agreement #SES 0531184. Any opinions, findings, and conclusions are those of the authors and do not necessarily reflect the views of the National Science Foundation.**