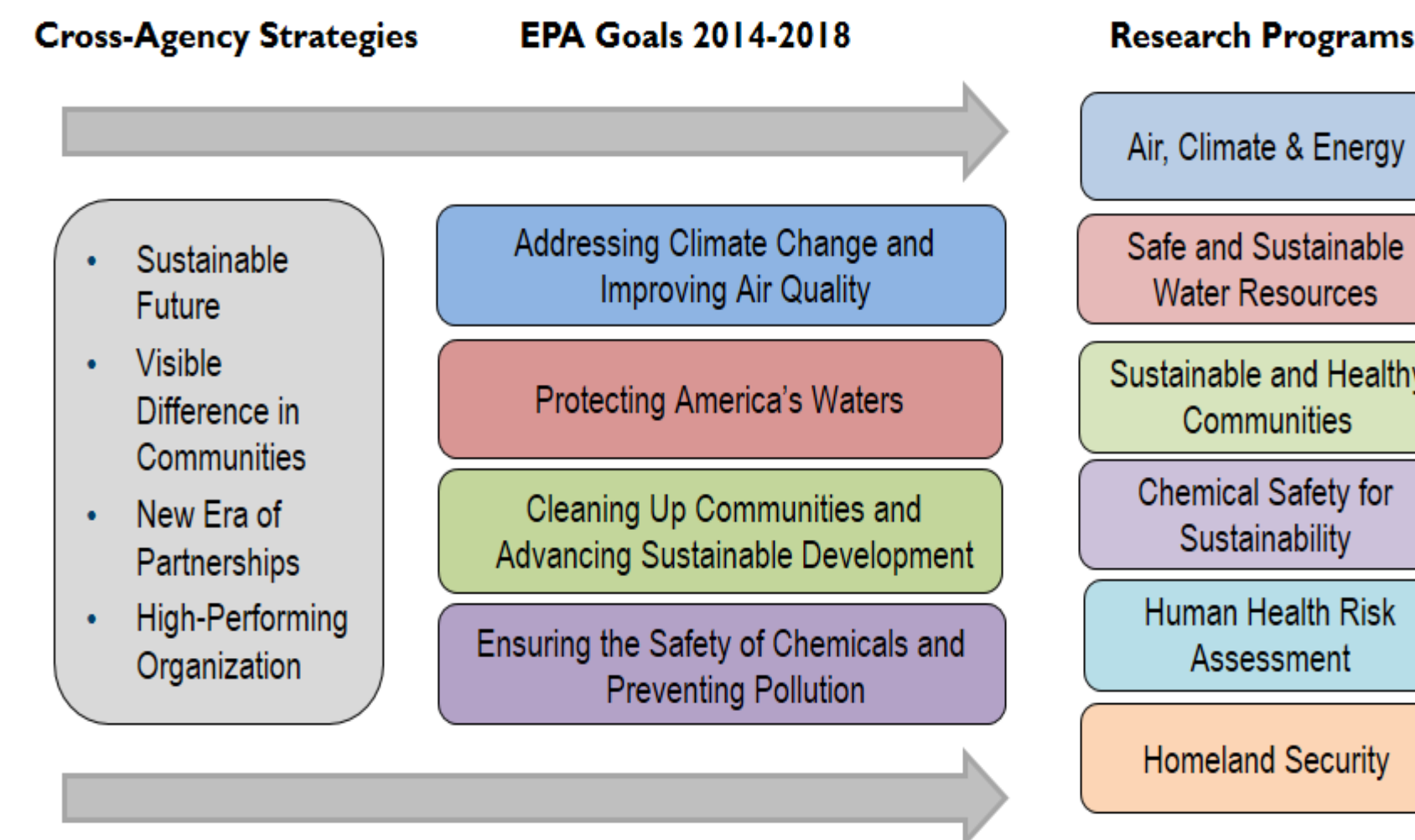




ORD Research Programs



- EPA ORD has six national research programs (NRP) aligned with Agency goals

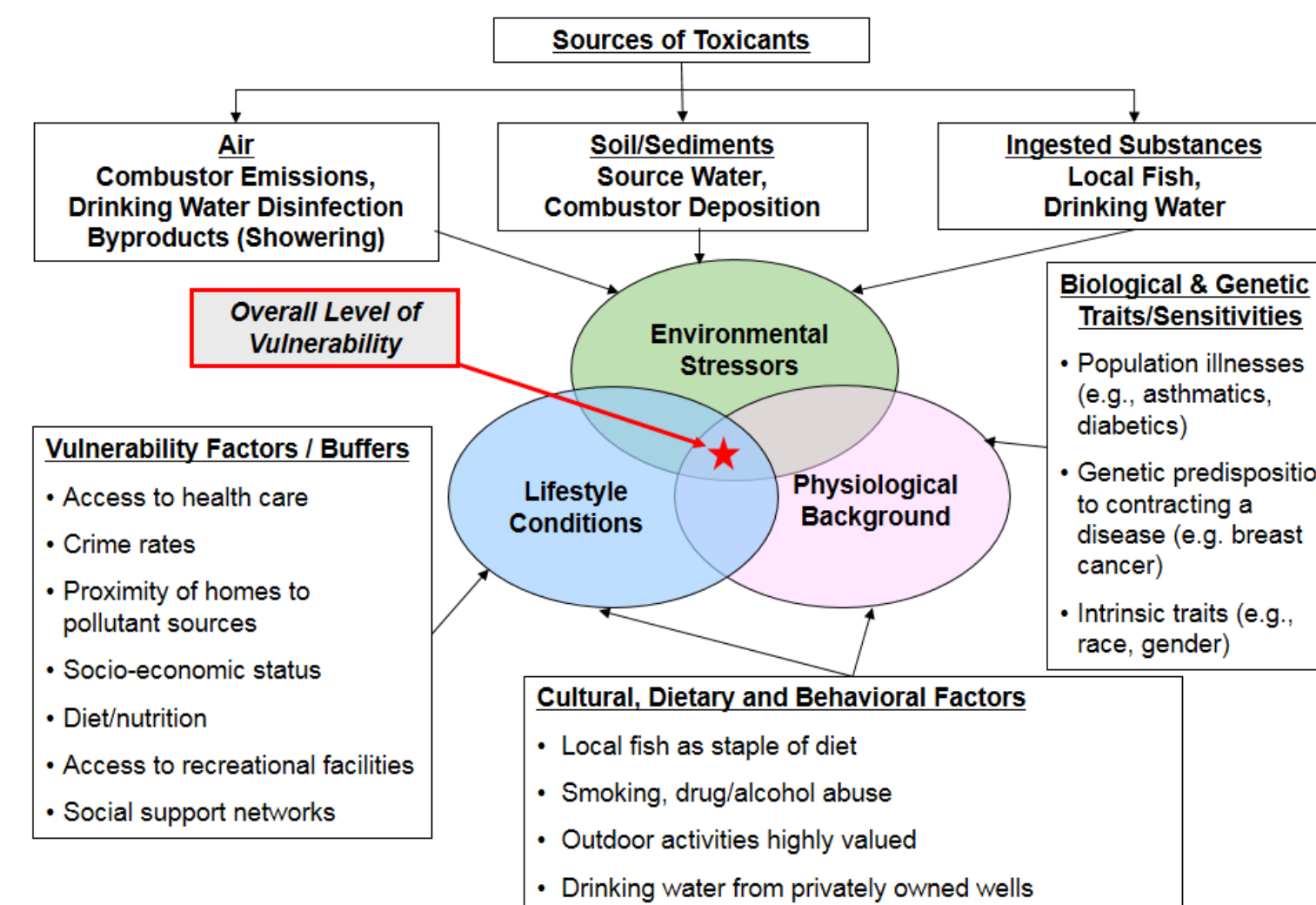
Role of ORD Research Roadmaps

- Four cross-cutting roadmaps are focused on a few critical areas that are also part of the ORD portfolio
 - Climate Change
 - Nitrogen
 - Children's Environmental Health
 - Environmental Justice
- Role of roadmaps is to
 - Catalyze integration across the six NRP and identify gaps to inform projects
 - Describe coordination and collaboration with EPA and federal partners, others

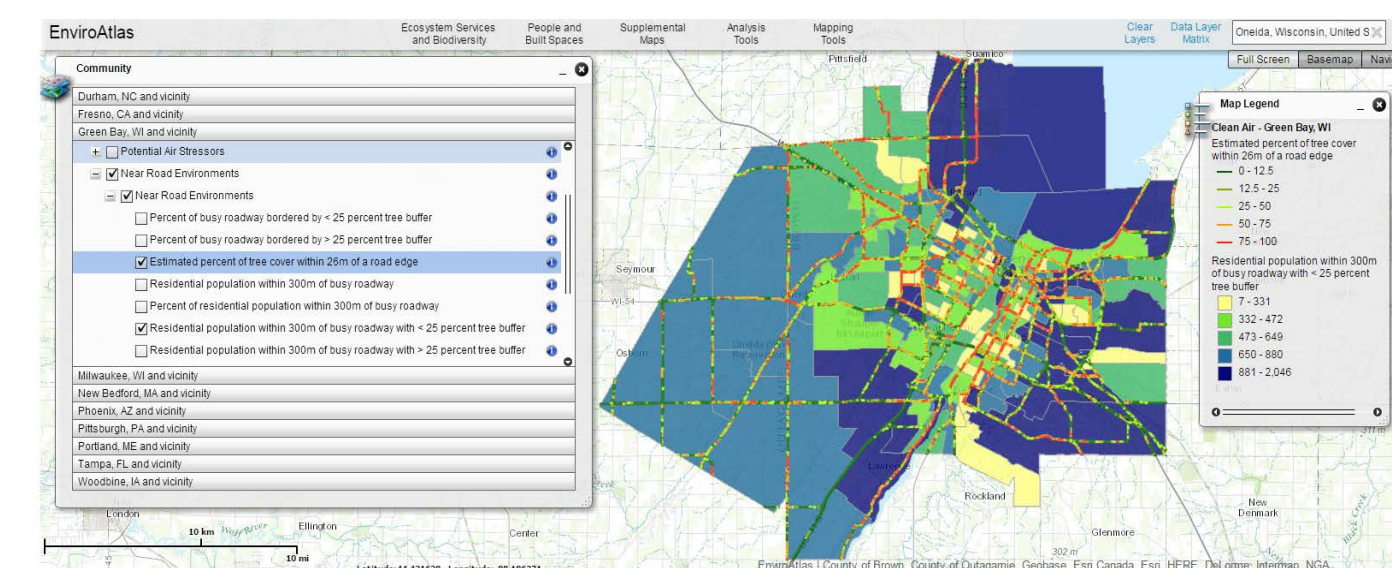


Three Critical Science Challenges

- Understanding key biological, social, spatial, and environmental factors and how they contribute to disproportionate risk (e.g., Cumulative Risk Assessment, CRA); <http://epa.gov/ncer/cra/>.

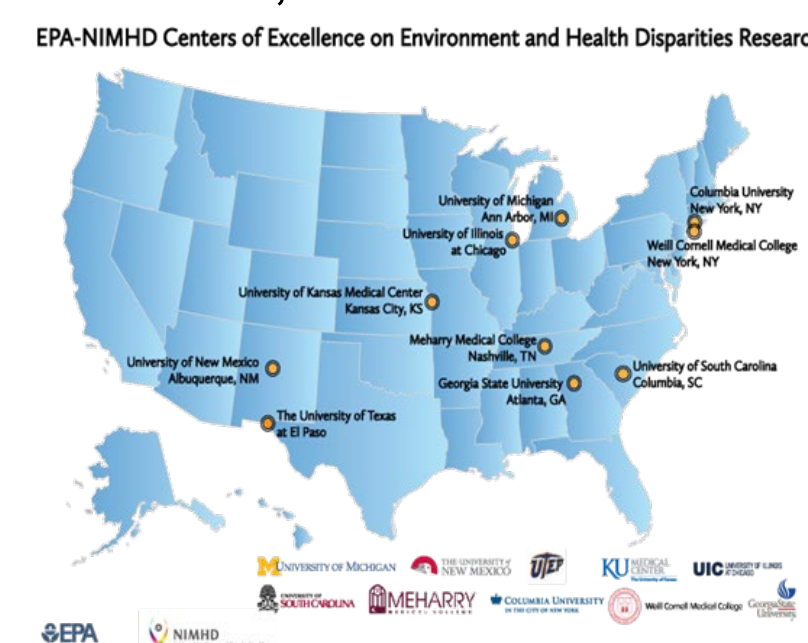


- Developing decision support tools, information, mitigation and prevention strategies for decision making (e.g., EnviroAtlas, <http://enviroatlas.epa.gov/enviroatlas/atlas.html>).



- The Interactive Map in EnviroAtlas contains over 160 national data layers that provide wall-to-wall coverage for the coterminous U.S. and roughly 100 data layers at a fine-scale resolution for selected communities.

- Engaging communities to build scientific capacity by sharing and translating information, tools and technologies, and by conducting collaborative research.



- EPA- NIMHD Centers of Excellence Program <http://epa.gov/ncer/ehs/disparities/health-disparities.html>
- New in 2015: NIH-EPA Centers of Excellence in Health Disparities, with NIMHD, NIEHS and NICHD. <http://grants2.nih.gov/grants/guide/rfa-files/RFA-ES-14-010.html>

Future Directions

KEY RESEARCH AREAS

- Cumulative risks and impacts
- Better understanding of stressors associated with overburdened populations
- Proximity to pollution source (near roadway, port and waste sites)
- Climate adaptation and resilience
- Tribal based community assessments
- Health Impact Assessment
- Community capacity for research and action (CBPR and Citizen Science)
- Partnerships with States, Tribes, local governments and sister Federal Agencies

EJ ROADMAP NEXT STEPS

- Consider external advice to identify research areas for further integration and prioritize data gaps, especially in the areas of cumulative risk and impact assessments, and risk mitigation.
- Develop community level partnerships and continue to build scientific capacity through training and translations of research activities.
- Expand interagency collaborations through extramural grants
- Complete EJ research roadmap by 2015 (tentative)

EPA's FUTURE EJ RESEARCH

