

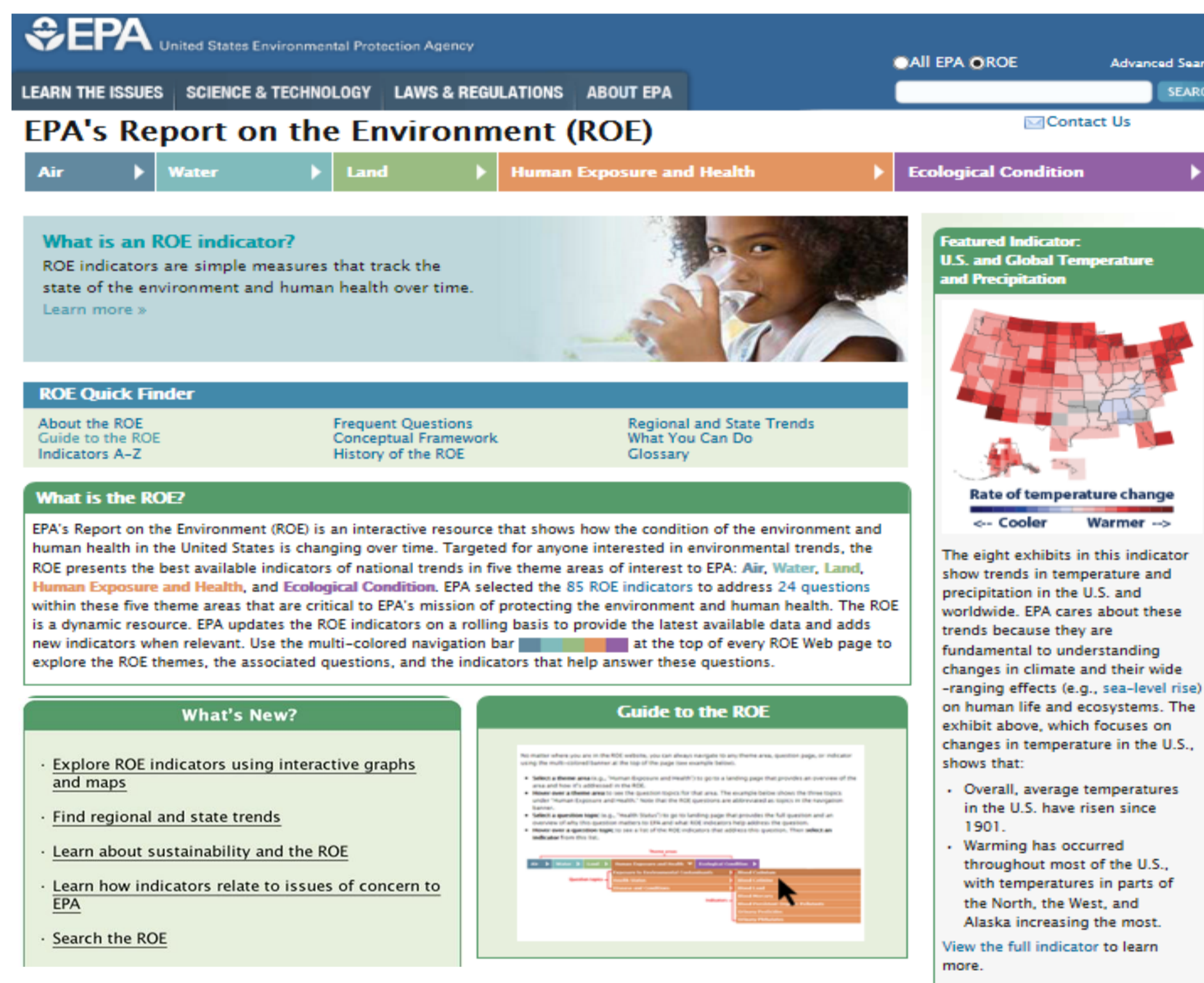
US EPA ARCHIVE DOCUMENT



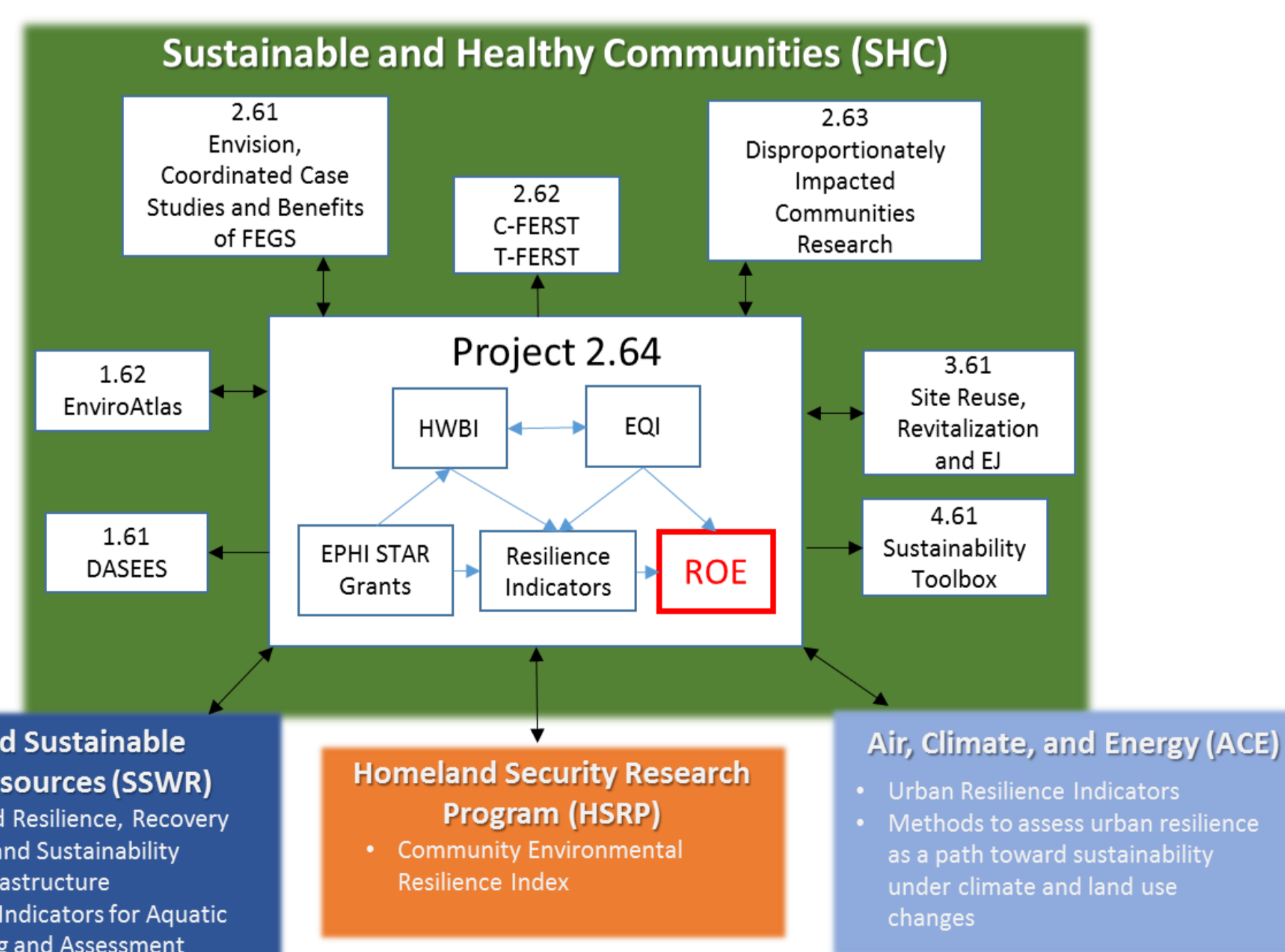
Task Lead--Patricia A. Murphy, National Center for Environmental Assessment

Purpose/Utility of Research

The ROE is EPA's comprehensive source of national-level scientific indicators that describe the condition of and trends in the nation's environment and human health. ROE's 85 indicators help answer questions of critical importance to EPA's mission of protecting human health and environment.

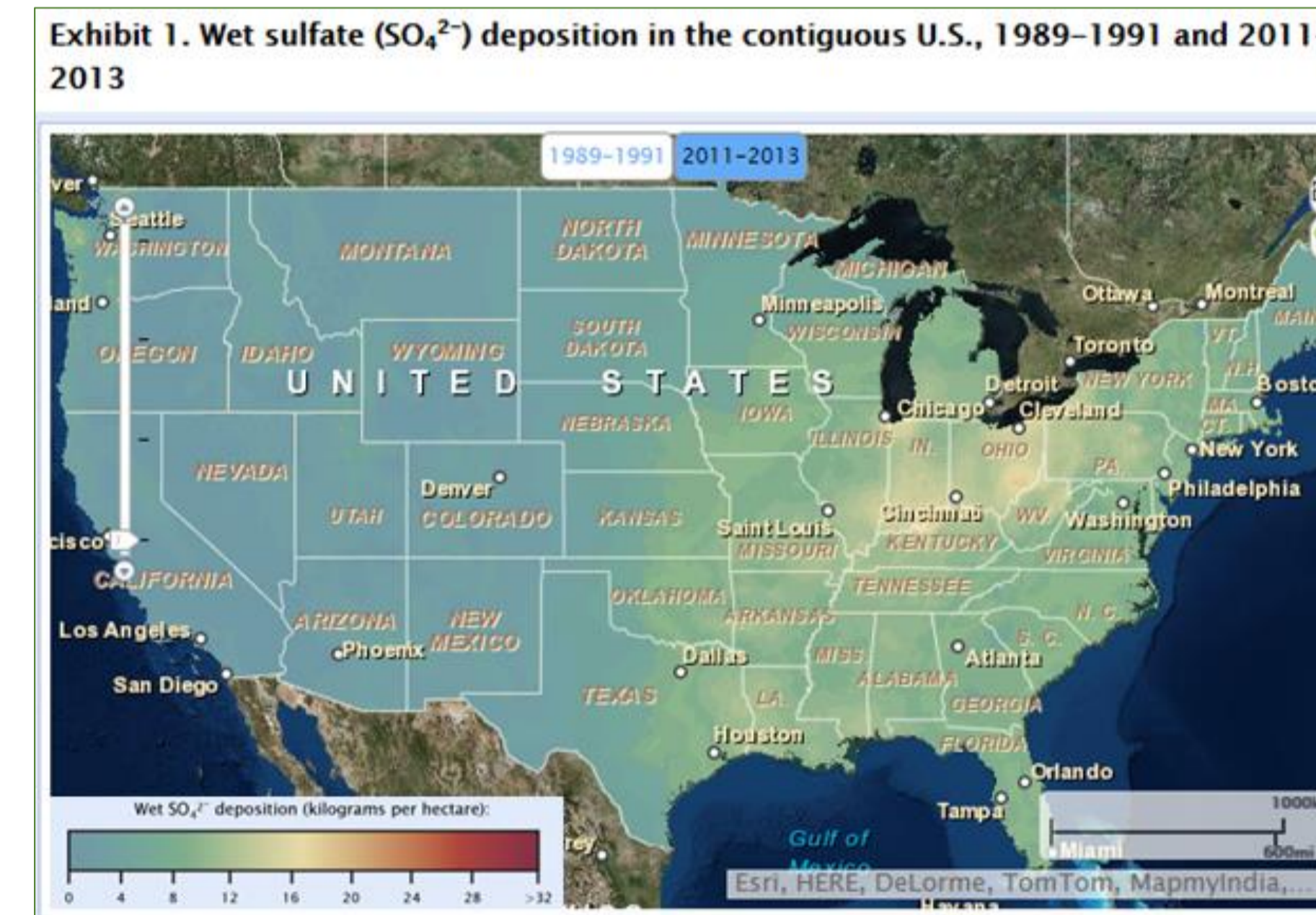
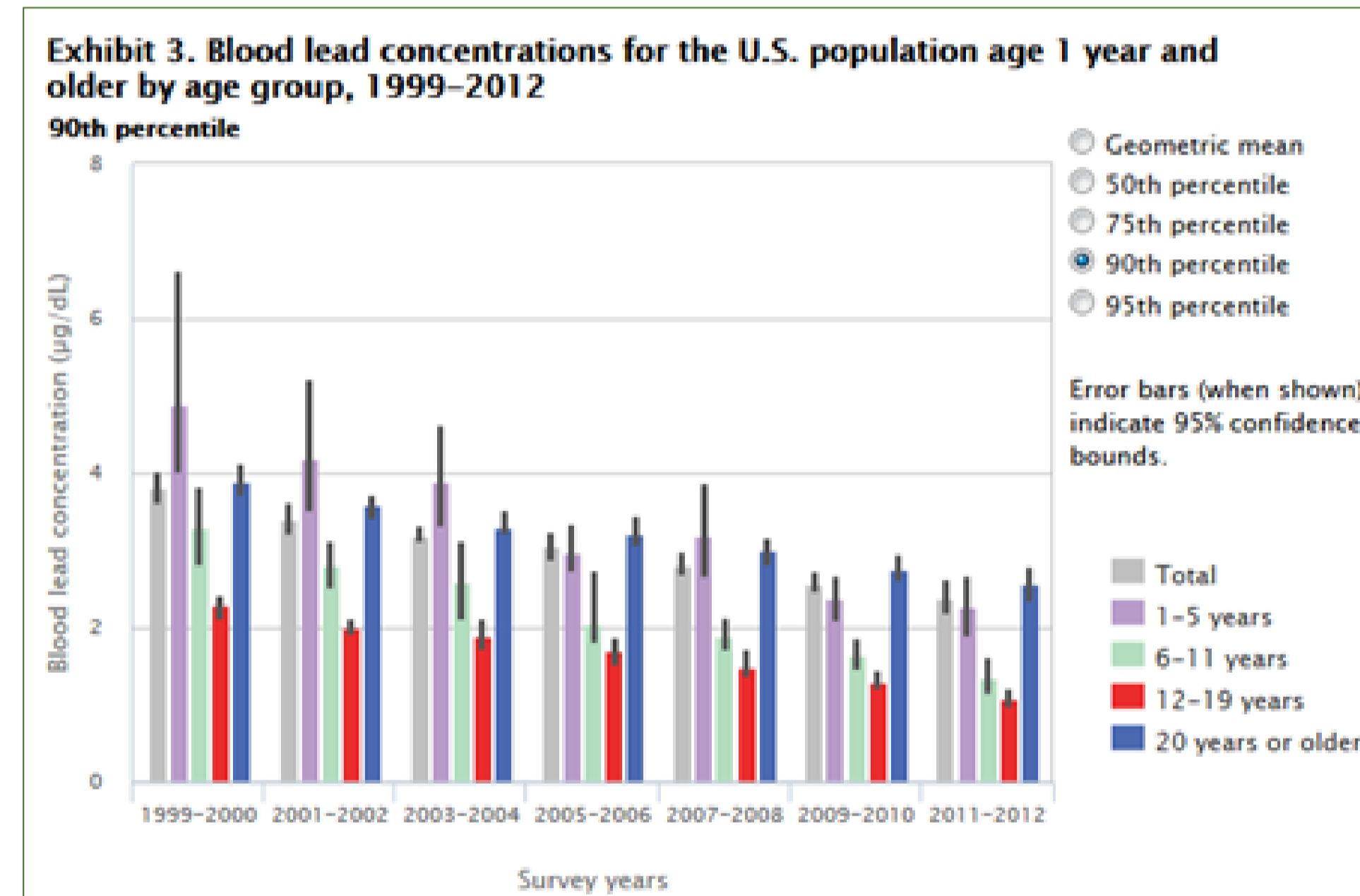


Connection to SHC Portfolio



Highlights

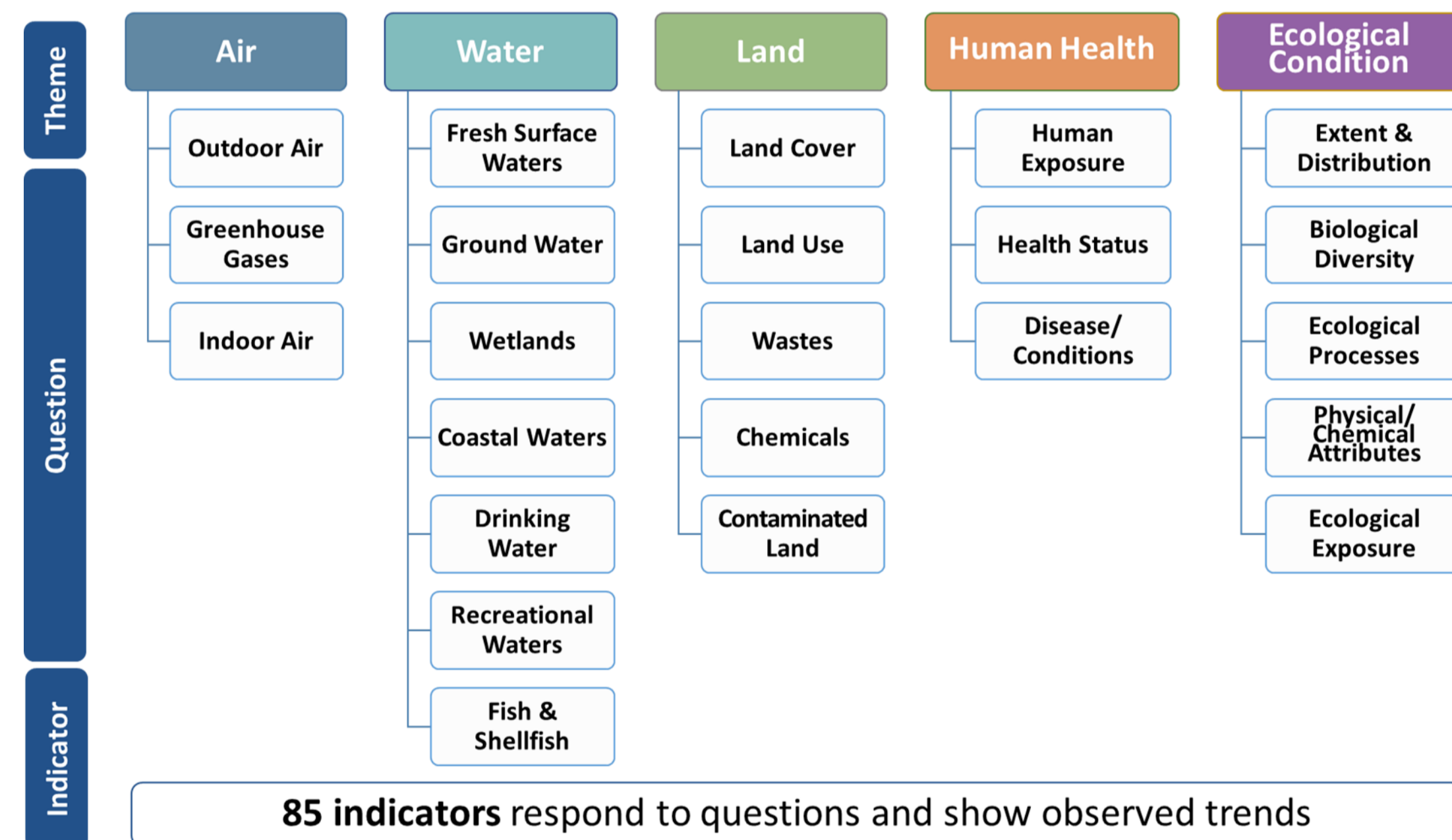
- The ROE is now an online, interactive website--<http://cfpub.epa.gov/roe/>, to be formally released on Earth Day 2015
- 85 objective, valid, nationally consistent indicators—21 broken down by EPA Region, 10 broken down by other sub-national boundaries
- Engaging interactive graphics with easy access to underlying indicator data
- Statistical information (e.g., confidence bands, trend tests) added where available to gauge significance of trends



Intended End users

The ROE was developed as a dynamic, interactive, scientific resource for anyone interested in environmental and human health trends including:

- The general public
- Academics
- EPA program office planners and decision makers



Lessons Learned

- It takes a village! The ROE would not be possible without a dedicated core project team, and dozens of interested and enthusiastic internal and external data partners and participants.
- The ROE can be improved and become more informative in future iterations by providing additional analysis and interpretation of indicator trends

Application & Translation

- ROE indicator trend data has been used by EPA planners and program offices to develop environmental performance metrics related to EPA's mission
- EPA programs use the ROE to identify gaps and generate ideas for environmental monitoring programs
- Post-launch, we will have additional information on our user base outside of EPA—early feedback points to an anticipated heavy use by the academic community