Program Development & Network Design

- **Develop a Monitoring Framework Expert System to walk WQM program designers through the steps to design a monitoring program compliant with, e.g., 10 Monitoring Program Elements**
- **Develop/refine elements of NMN Design, i.e., wetlands, groundwater, beaches**
- **Use feedback from State Long-Term Monitoring and Assessment Strategies to communicate lessons learned for program design and to improve Strategy Guidance**
- Develop/promote methods of optimizing monitoring network design, including guidance for types of designs
- Develop guidance for network design (e.g., probabilistic, fixed, combination, etc.)

Data Management & Access

- **Develop/refine data management strategies for NMN and others**
    - Develop/promote methods of integrating Remote Sensing Data with field data
- **Develop/refine data exchange network strategies for NMN and others**
- **Track and/or facilitate progress in EPA-STORET/WQX and USGS-NWIS MOU**
- **Develop Strategies to Enhance and Expand Data Exchange Networks**
    - Develop/encourage partnerships similar to EPA-STORET/WQX and USGS-NWIS MOU

Data analysis and interpretation

- **Develop/promote methods with MDCB for testing the comparability of monitoring data prior to integration and analysis**
- **Develop/promote standard methods with MDCB-NEMI of data analysis and interpretation:**
    - **for specified NMN questions**
    - **for specified 305(b) and/or 303(d) questions**
    - **for use of continuous monitoring data**
    - for specified RiverWatch questions
- **Develop/promote methods with C & O for conveying the results of data analysis, assessment, and interpretation**
- Explore the utility of Predictive Modeling of garnering public awareness and support of monitoring