

US EPA ARCHIVE DOCUMENT

CT Critical Elements Update

March 2009

CT Comprehensive Ambient WQ Monitoring Strategy

- EPA issued guidance in 2003
- under Section 106 (e)(1) of the CWA
- Assessment of “all” State waters by 2014
- CT Strategy submitted fall 2005
- Focus on ten “program elements”

10 Monitoring Program Elements

1. Monitoring program strategy
2. Monitoring objectives
3. Monitoring design
4. Core and supplemental water quality indicators
5. Quality assurance
6. Data management
7. Data analysis and assessment
8. Reporting
9. Programmatic evaluation
10. General support and infrastructure planning

Critical Technical Elements Evaluation Connecticut DEP Bioassessment Program

October 31 – November 2, 2006

Purpose

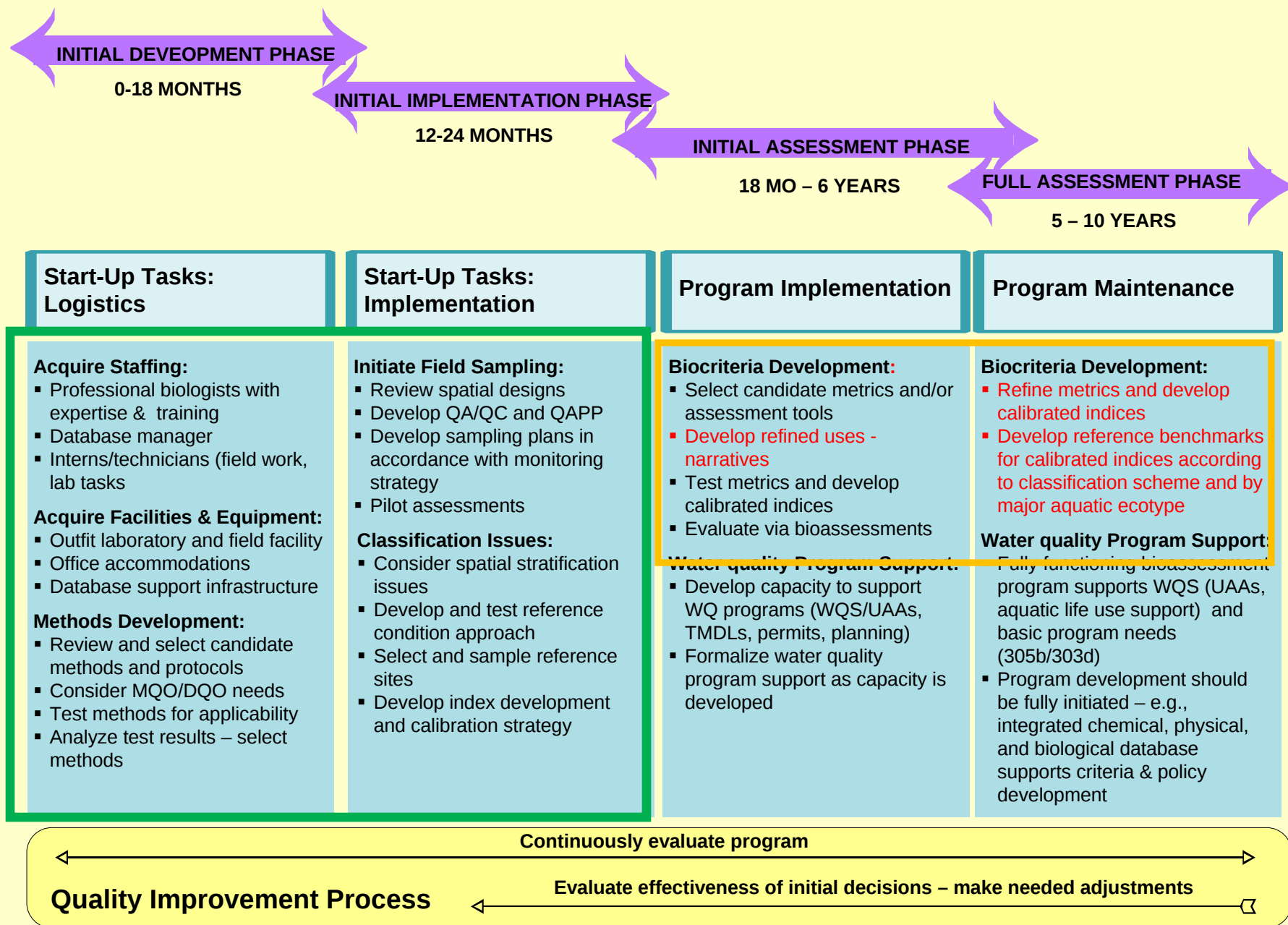
- External
- Objective
- Expert
- Program Evaluation

esp. relative to available resources

Thirteen Point Technical Element Checklist

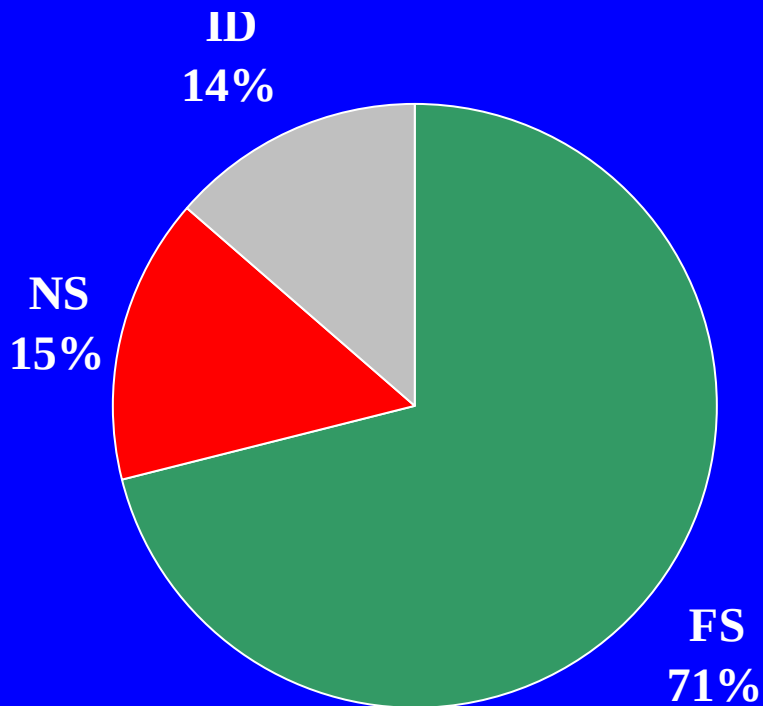
1. Temporal index period
2. Spatial coverage
3. Natural classification*
4. Reference conditions *
5. Criteria for ref. Sites*
6. Taxonomic resolution
7. Sample collection *
(& assemblages)
8. Sample processing
9. Data management
10. Ecological attributes
11. Biological endpoints
and thresholds
12. Diagnostic capability
13. Professional review
and documentation

Bioassessment and Biocriteria Program Development Timeline



**ALUS based on Benthic Invertebrate Data
CT Statewide Probabilistic Survey
2002-2004**

Current Pass/Fail Assessment



TALU Assessment

