

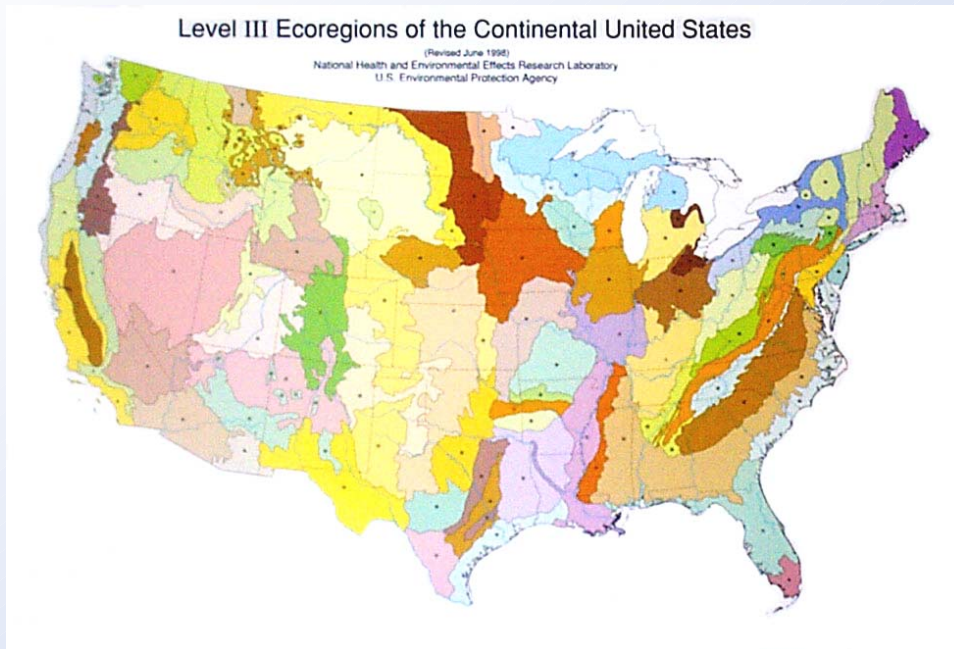
Biological Criteria Development



- Office of Water
 - Office of Science and Technology
 - Health and Ecological Criteria Division
- 5 Year Plan/Continued Funding
- Goals
 - Develop Biological Criteria
 - Develop and Refine Biological Assessment Procedures

Biological Criteria Development

- 5 Year Plan -



- Workgroup
- Central Plains Center for BioAssessment
- Ecoregions
- Workshops
 - Reference Sites and Conditions
 - Biological Metrics
 - Habitat Assessment
 - Macroinvertebrate Taxonomy
 - Fish Assessments & Taxonomy
 - Landscape Assessments (GIS)
 - Data Analysis
(Statistics, Data Bases, QAQC)
 - Biological Criteria Development
- Symposiums

Reference Workshop Participants

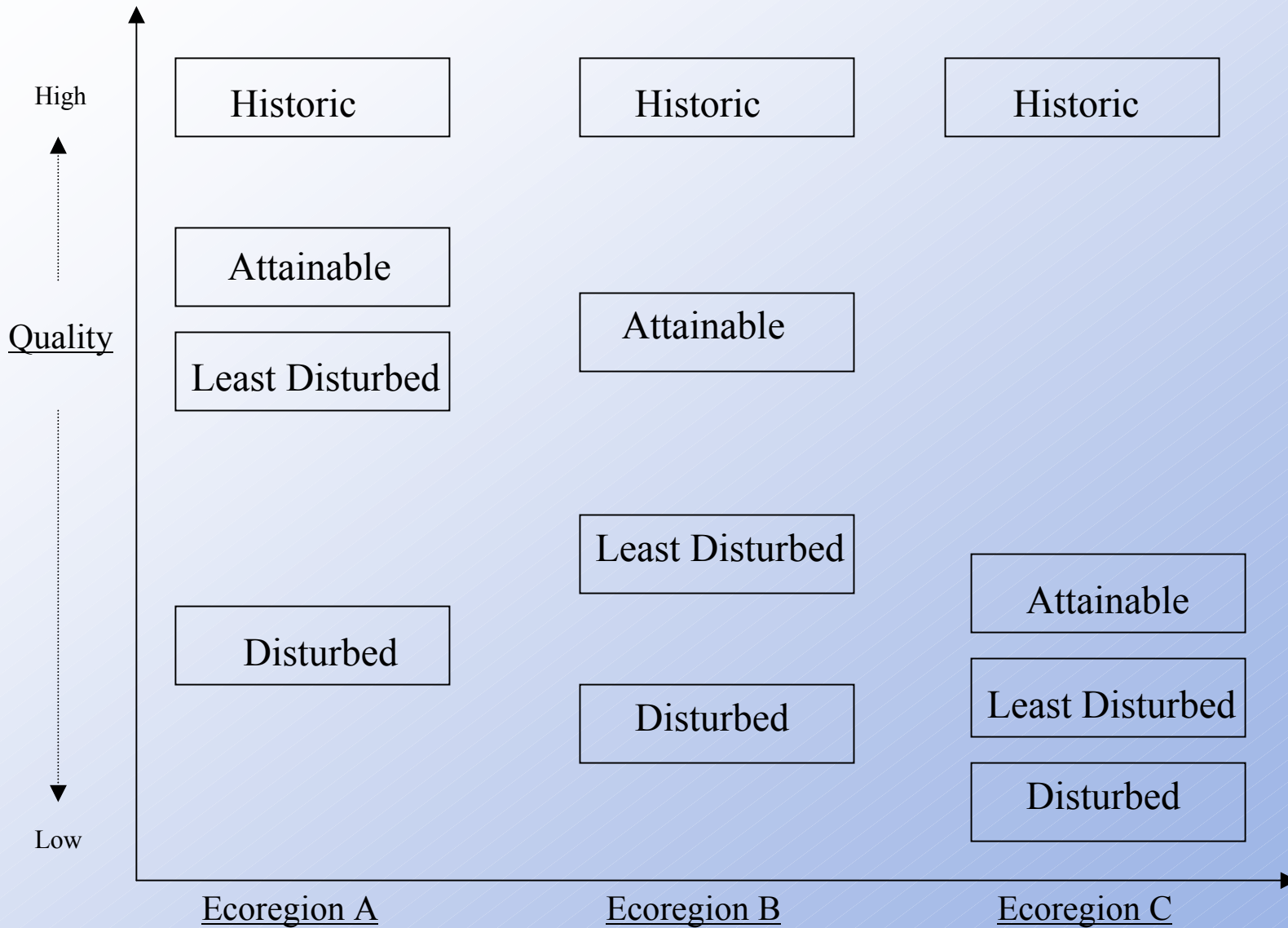
- National
 - HQ
 - ORD
 - USGS
 - Tetra Tech
- States
 - Missouri Department of Natural Resources
 - Missouri Department of Conservation
 - Iowa Department of Natural Resources
 - Kansas Department of Health & Environment
 - Kansas Wildlife & Parks
 - Kansas Biological Survey
 - Nebraska Department of Environmental Quality
- Universities
 - University of Missouri
 - University of Kansas
 - Pittsburg State University
- Public Participation

Reference Site & Condition Definitions

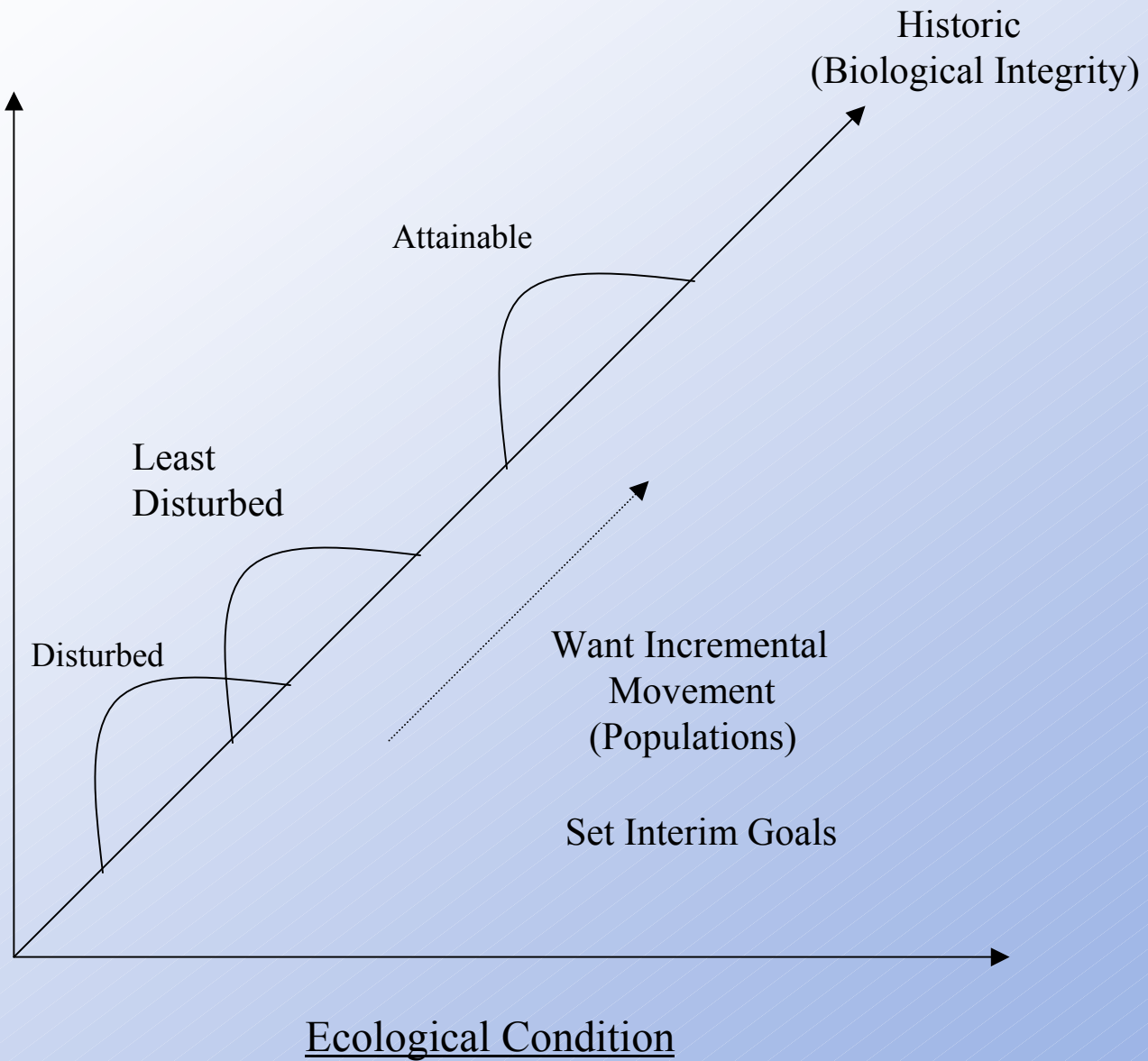
(Gibson, et. al., 1996)

Reference Site - A specific locality on a waterbody which is minimally impaired and is representative of the expected ecological integrity of other localities on the same waterbody or nearby waterbodies.

Reference Condition - The set of selected measurements or conditions of minimally impaired waterbodies characteristics of a waterbody type in a region.

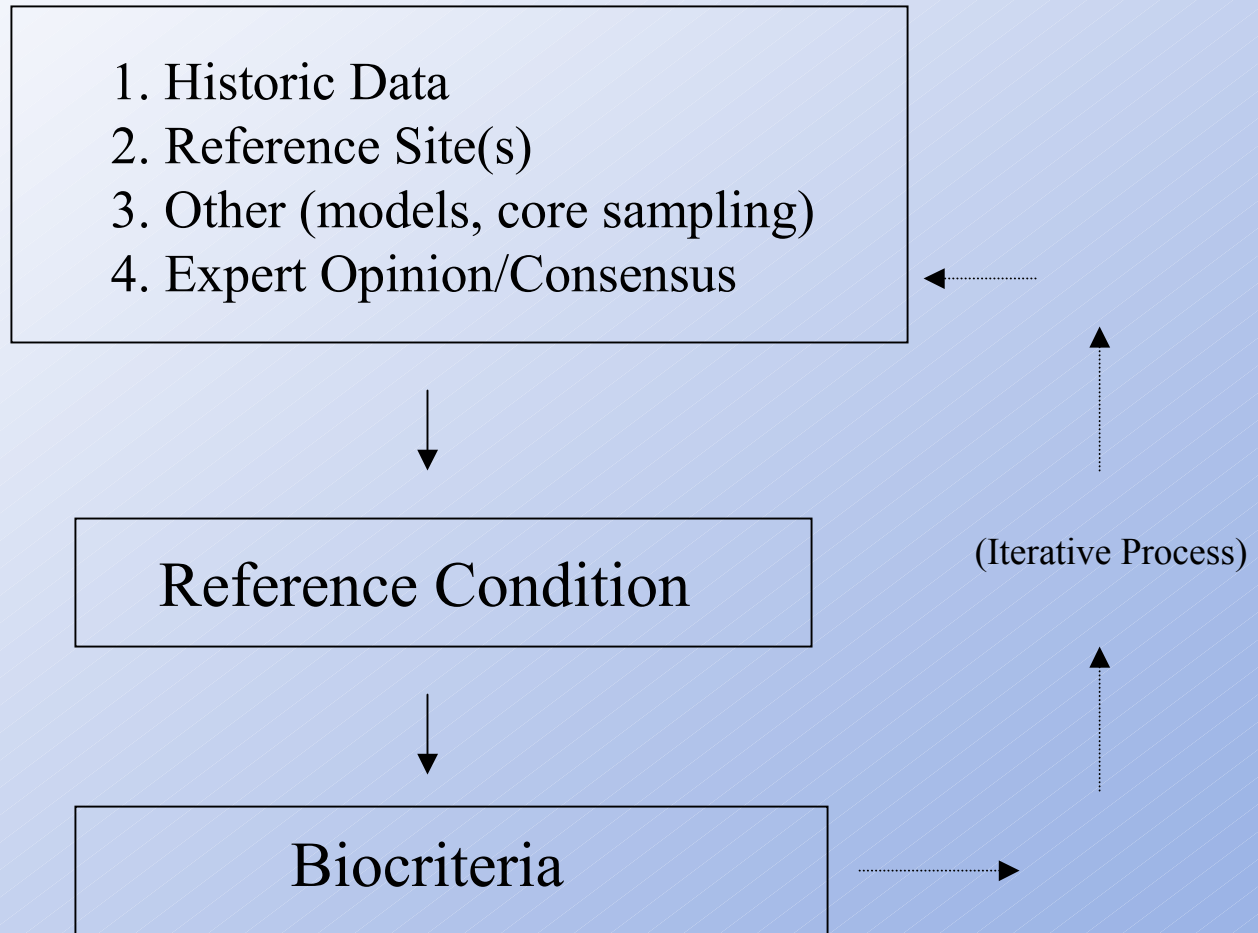


Ecological
Measures

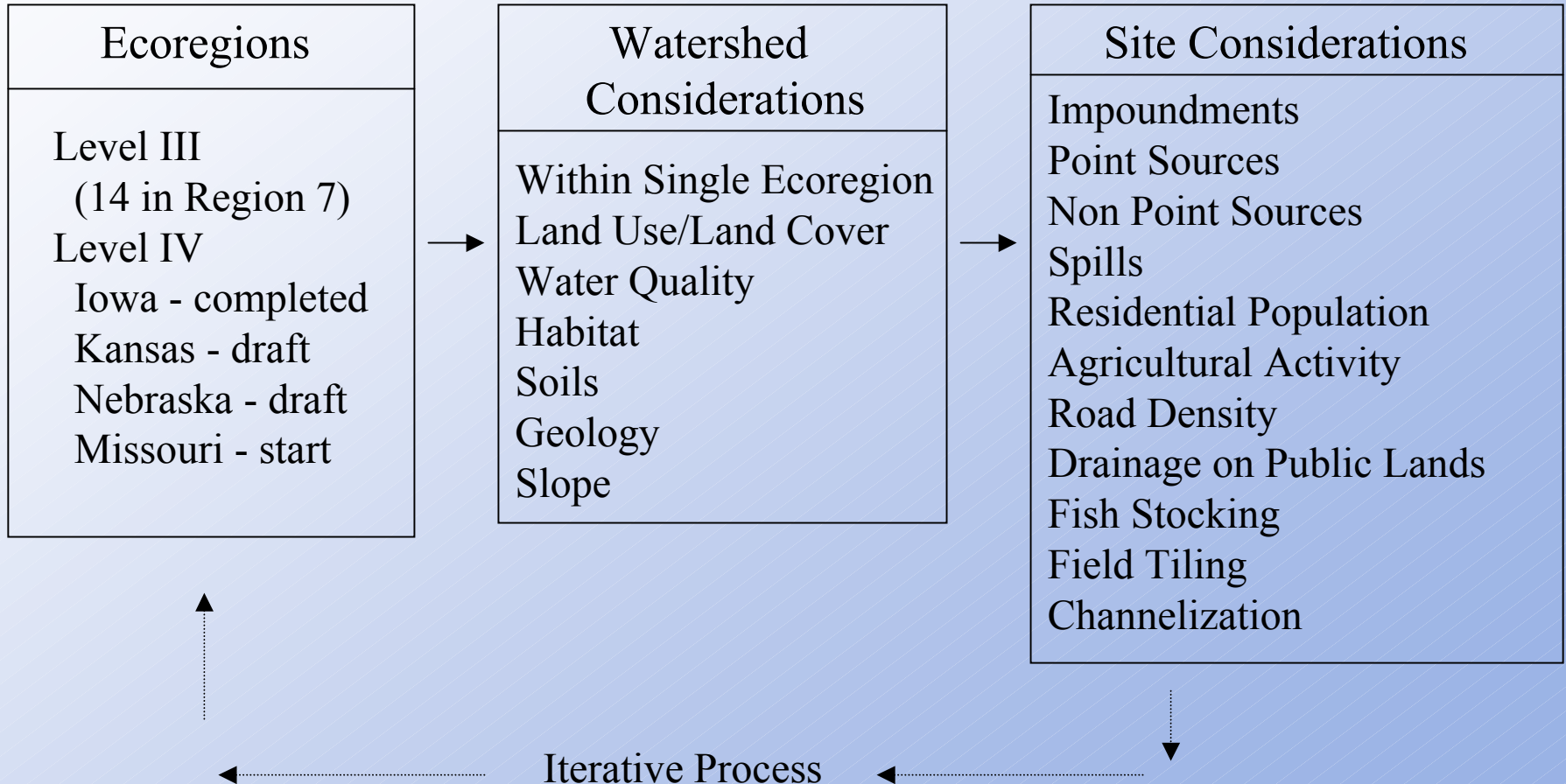


Biocriteria Development Process

(Region 7)



Framework for Establishing Reference Sites (Region 7)



Ranges of Ecological Integrity

