Illinois River Watershed Project Overview

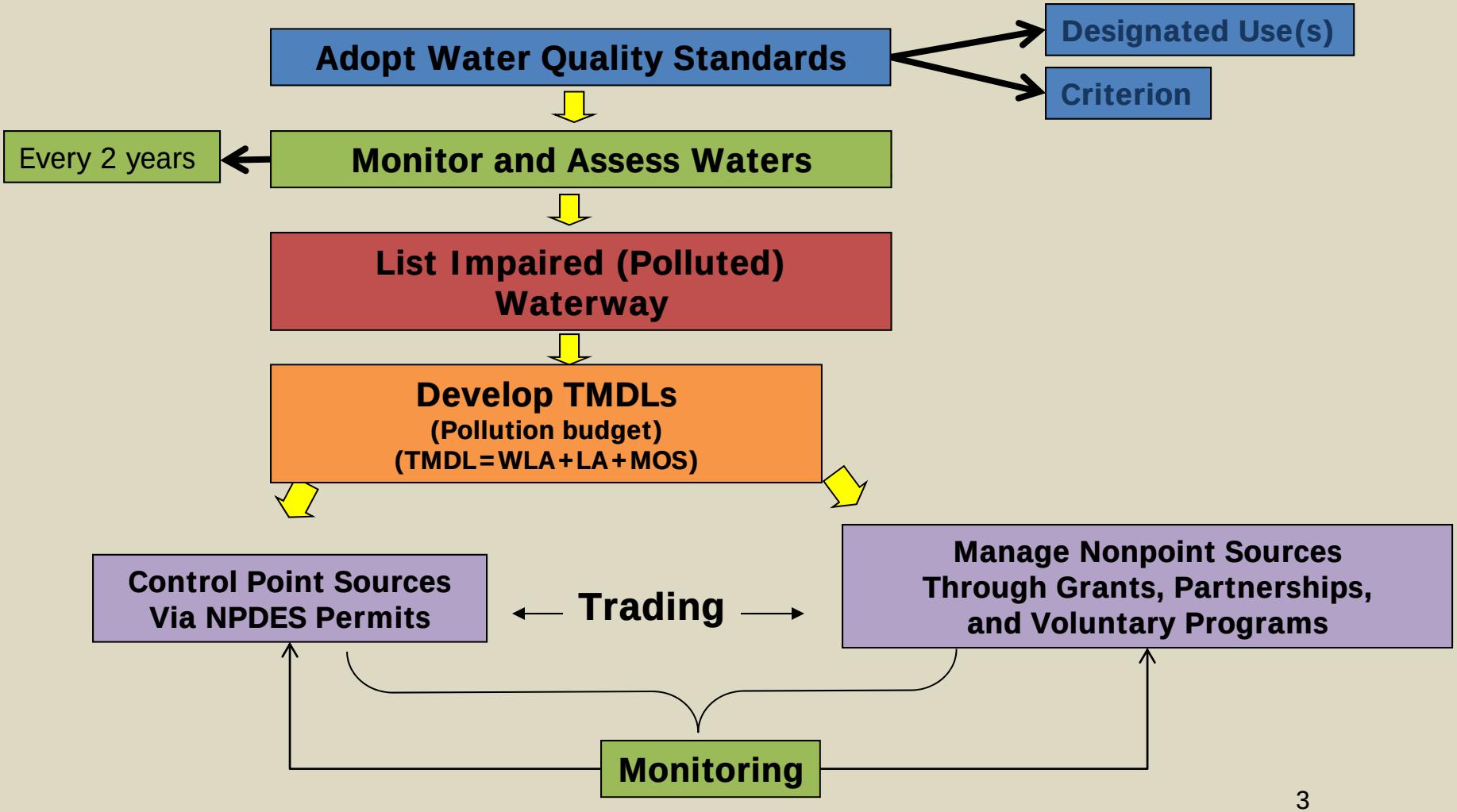
Quang Nguyen
November 8, 2012
Springdale, AR

Image from U.S. EPA Region 6 - Water Quality and Biological Assessment
Selected Segments in the Illinois River and Kings River Basin, Arkansas

Presentation Topics

- Overview of the Clean Water Act Water Quality Management Planning Cycle
- Overview of the Illinois River Watershed Modeling Activities/Schedule

Water Quality Management Planning Cycle



What is a TMDL?

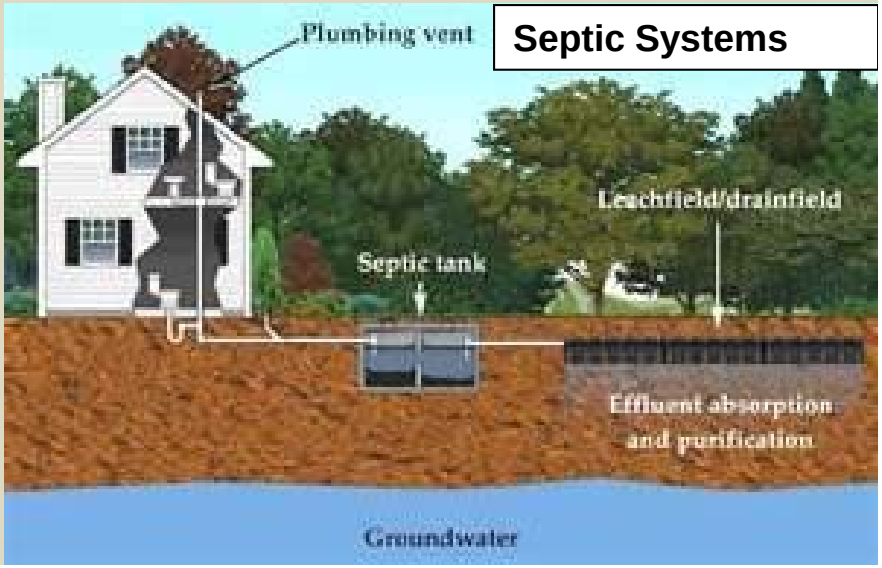
A calculation of a pollutant Load that assures that when implemented, an impaired water will attain and maintain the applicable water quality standard.

TMDL Components – Waste Load Allocation

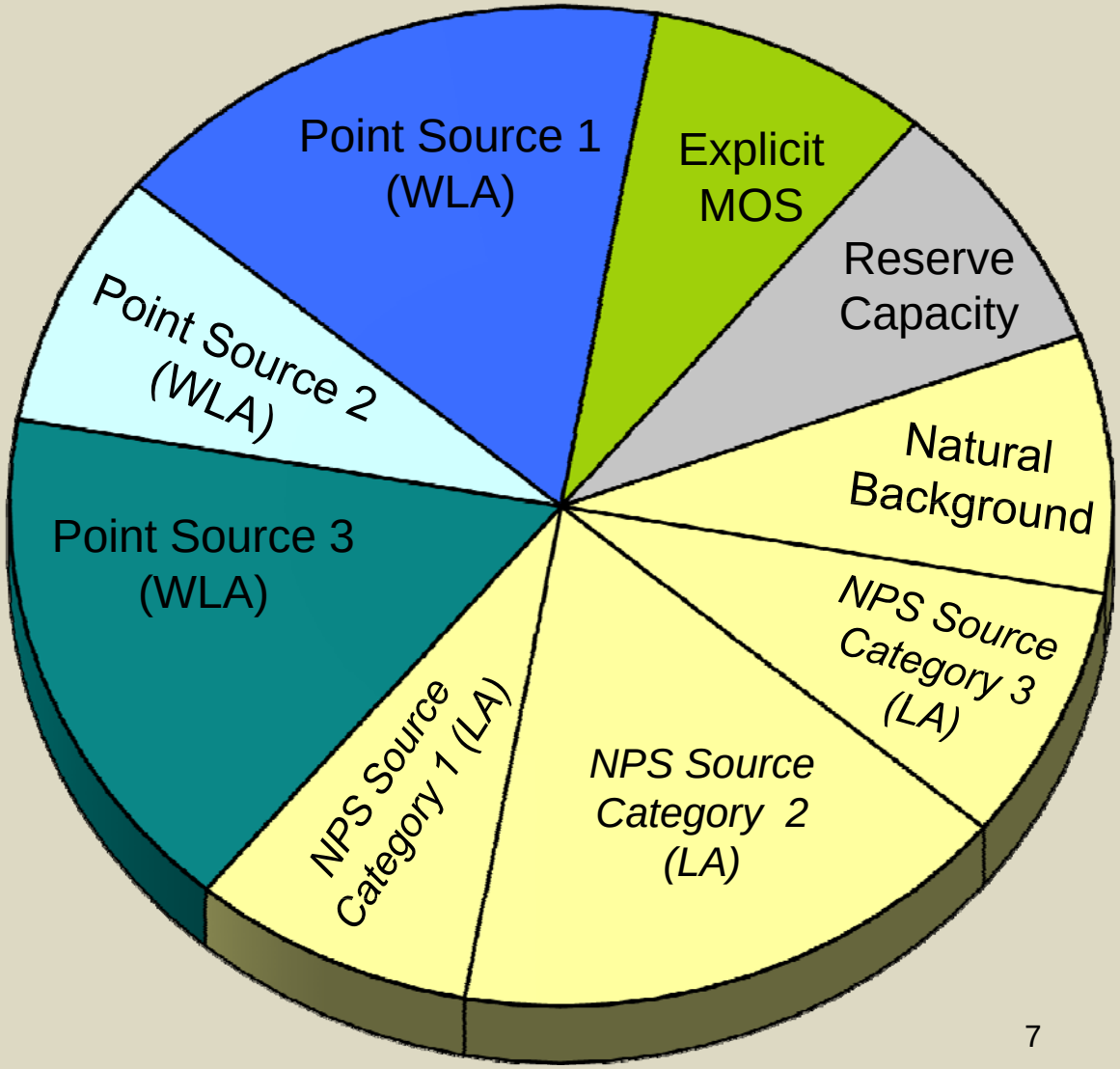
Point Source(s) – Sources that emit pollutants through a pipe or channel to waterway.

Point Source Discharges

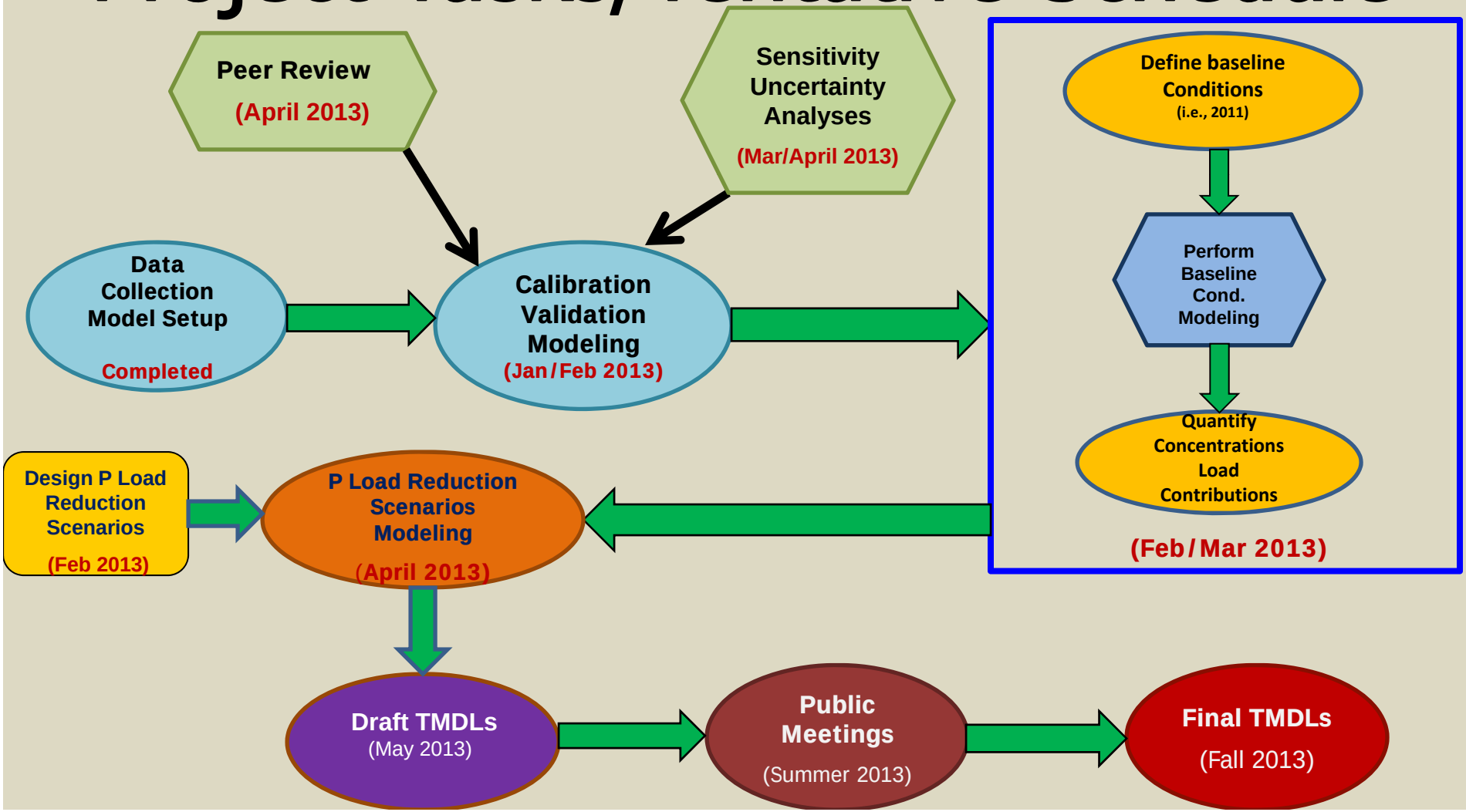
TMDL Components – Load Allocation



TMDL Allocation



Project Tasks/Tentative Schedule



Illinois River Watershed Modeling Activities

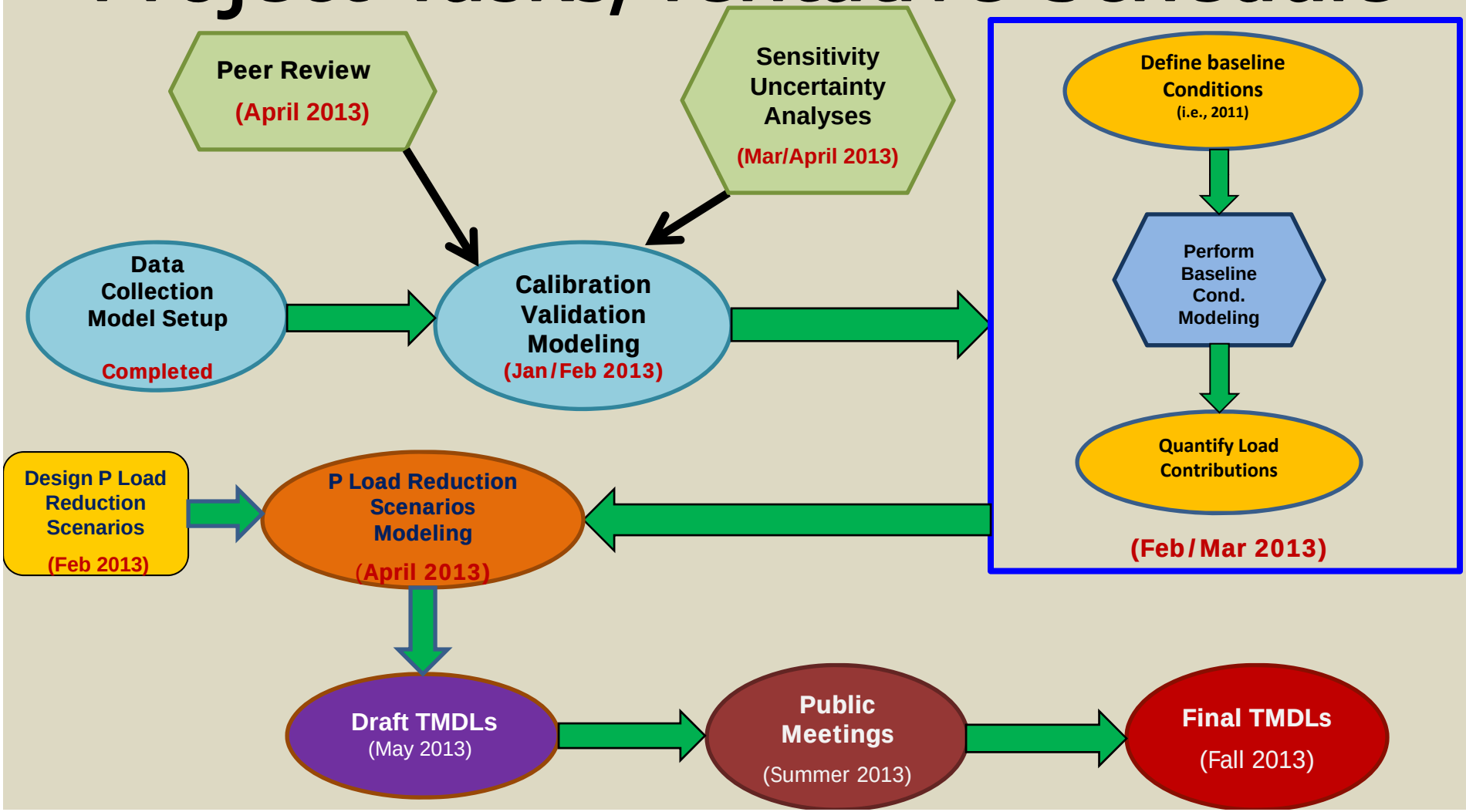
- Peer Review
  - EA Engineering Science and Technology Inc (Sept 2012)
    - Selection of Independent Peer Reviewers
    - Peer Review Proceeding

      -- Areas of Focus

      *** Model Inputs and Assumptions**

      *** Calibration/Validation Modeling**

Project Tasks/Tentative Schedule



Questions ?