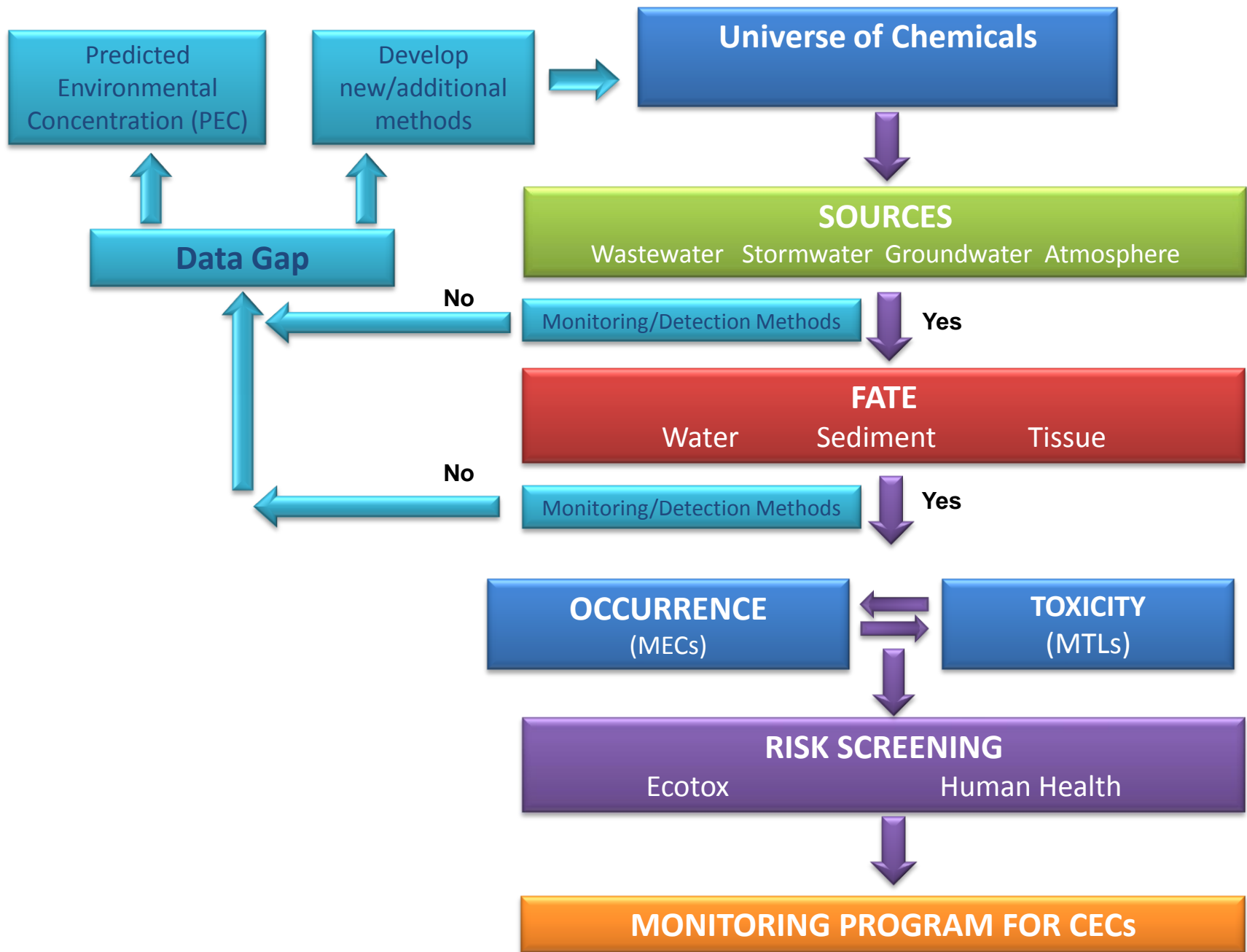


**State of California  
Constituents of Emerging Concern  
Ecosystems  
Science Advisory Panel**

**Panel Report Out**

**Meeting #5**

**January 9 – 10, 2012  
Sarasota, FL**



# CASE STUDIES

- **Coastal ocean discharge**
  - POTW discharge to mid-shelf (> 50 m)
- **Embayment receiving water**
  - stormwater & POTW input (e.g. SF Bay)
- **Inland receiving water (coastal river)**
  - wastewater effluent dominated system

# MONITORING APPROACH

- **Phased, adaptive strategy**
  - Increase confidence in & relevance of monitoring
- **Prioritize CECs based on RQ assessment**
- **Implement monitoring**
- **Interpret data w/tiered response framework**
- **Action plans to minimize impacts**

# RECOMMENDATIONS

- **Fill data gaps**
  - Occurrence by source
  - Toxicity (NOECs)
- **Refine fate models and exposure scenarios**
  - Estuaries, ocean discharge
- **More relevant, efficient monitoring tools**
  - Bioanalytical screening for ecoreceptors
  - Analytical methods by target CECs/matrices

# SCHEDULE

- **Two-year project to be completed Summer 2011**
- **Meeting #1: Jan 2010**
  - Stakeholder perspectives & identify short term data gaps
- **Meetings #2-4: Summer 2010 – Fall 2011**
  - Working meeting to address charge questions
- **Meeting #5: Winter 2011**
  - Monitoring approach and recommendations
- **Release draft recommendations: Feb 2012**
- **Meeting #6: Mar 22-23, 2012**
  - consider public comments and revise draft report
- **Final report to SWB: May 2012**