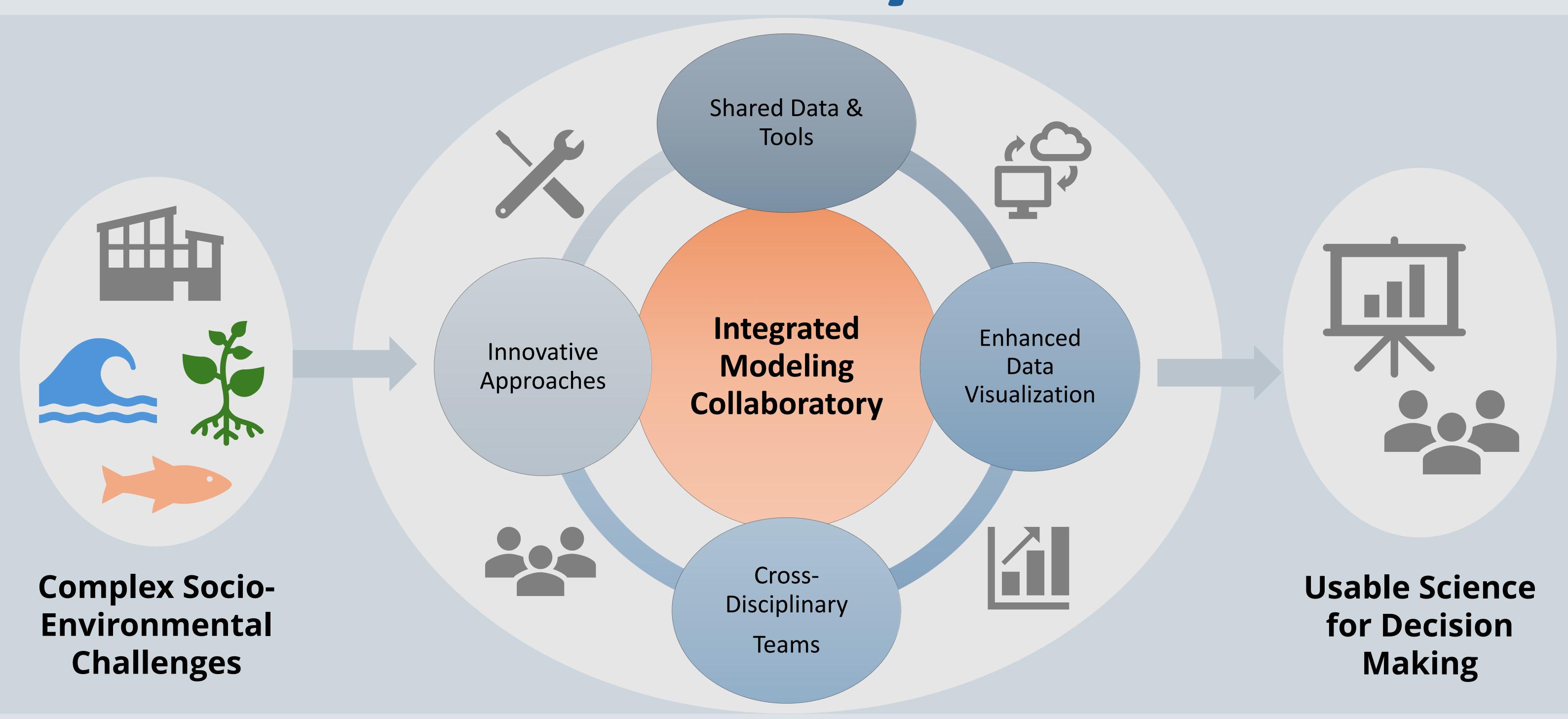
The Collaboratory Starts Now



The Delta Science Program is serving as catalysts, coordinators, and facilitators of community-based building of the core and foundational elements of the Collaboratory. Current implementation plan includes simultaneous leadership team formation, strategic plan development, and use-case profiling.

Collaboratory core elements

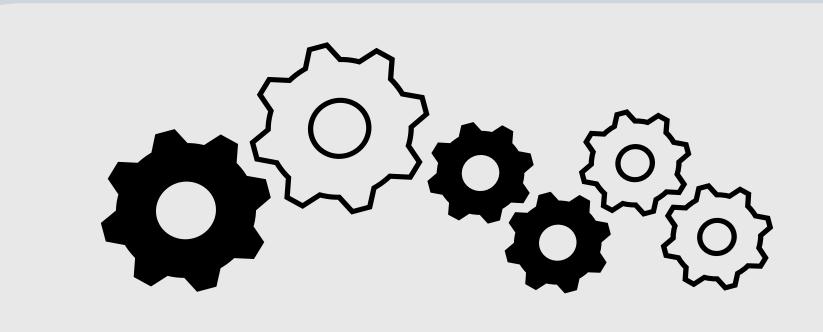
- Leadership and organization
- Human resources
- Cyberinfrastructure
- Integrated modeling framework
- Best practices and protocols
- Synergy hub networking
- Accessibility data, tools, people

Products and services

- Modeling inventory
- Data library
- Group/team facilitation
- Online forum
- Publishing & visualization assistance
- Knowledge base access
- Training and workshops

Example use-cases

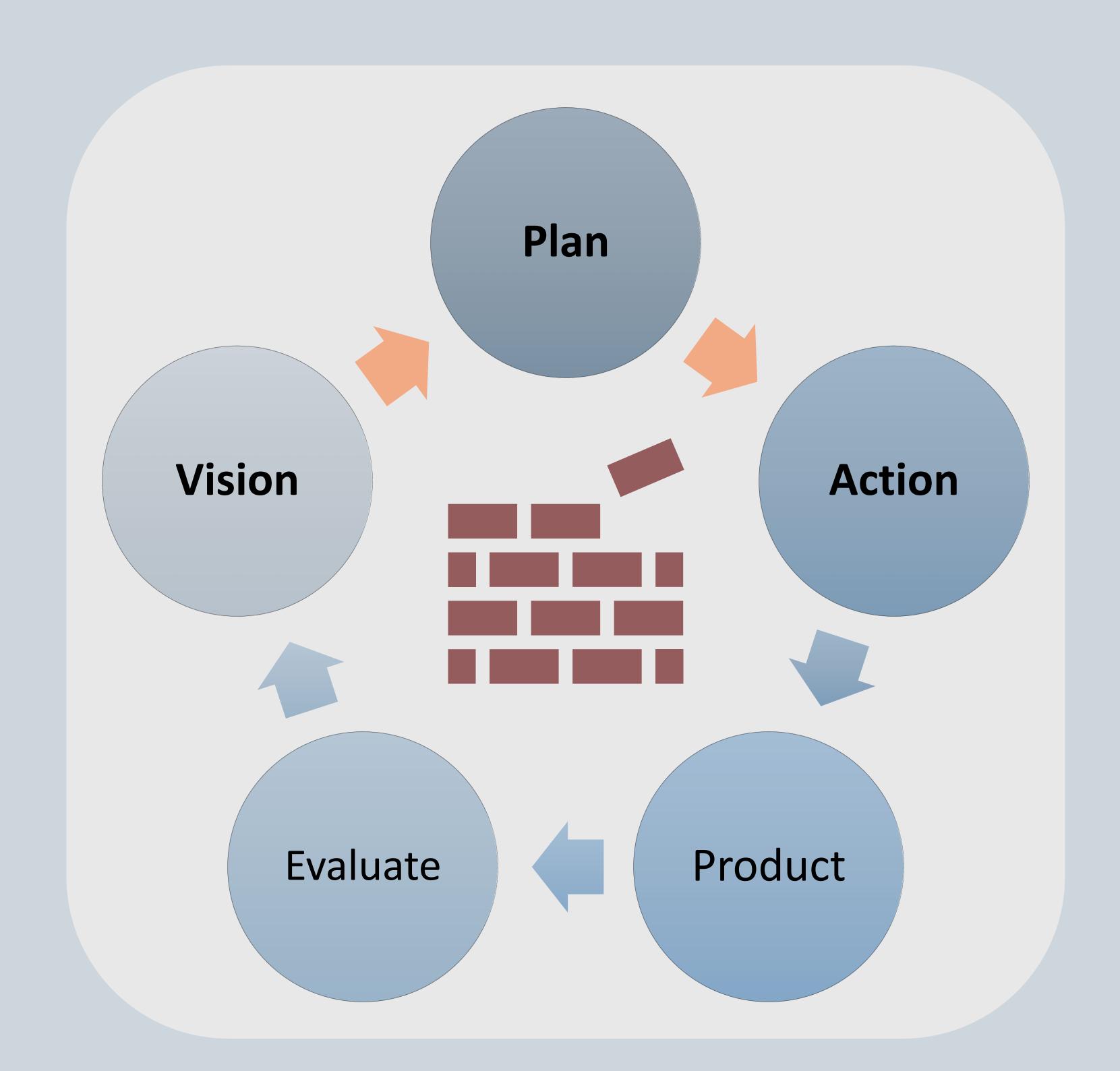
- Salinity management
- Harmful algal blooms
- Food web modeling
- Climate change and sea level rise
- Water management and salmon
- Flood & drought analysis
- Big data synthesis and visualization



Progress and success is achieved through positive and iterative feedback loops

Collaboratory use-cases

- By exploring multiple use-cases simultaneously, we can better understand the needs and gaps within the science and modeling community
- Use-case profiling will provide essential real-world details, helping us prioritize the allocation of limited resources for laying the Collaboratory's foundational bricks



Use-case profile teams (blueprint)

- SOW
- Needs
- Gaps
- Potential ROI

Develop priority decision matrix

- Feasibility
- Urgency
- Multi –beneficial
- Well supported

Establish project user groups

- Individuals
- Interdisciplinary
- Ongoing
- Responsive

Convene leadership team (rotating)

- Delta lead scientist
- Agency managers
- Community leaders

Develop core team roles and positions

- Webpage manager
- Data librarian
- Team facilitators
- Education lead

Funding, technical, human resources

- Cloud computing
- Training and workshops
- Big data management





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