

Integrated Modeling Framework Workshop

One Delta, One Science, One Modeling Framework

Welcome Letter



**Delta
Science
Program**

DELTA STEWARDSHIP COUNCIL

Welcome to the Integrated Modeling Framework Workshop!

The Delta Science Program is hosting a workshop titled “Delta Integrated Modeling Framework Workshop – *One Delta, One Science, One Modeling Framework*”. The intent of this workshop is to convene modeling professionals, managers, and decision-makers for the purpose of creating an updated and unified strategy for implementing a virtual modeling center and modeling framework. This workshop will build upon the work that has been done for decades and, most recently, the progress and products produced by the Integrated Modeling Steering Committee (IMSC) & Tetra Tech, and recommendations provided by the Independent Science Board (ISB).

We are including several attachments aimed at getting you up to speed so that you feel prepared to jump right into the discussion when you arrive. The attachments included in this preworkshop packet include the [“Integrated Modeling in the Delta: Status, Challenges, and a View into the Future \(Management Summary 2020\)”](https://www.deltastewardship.org/wp-content/uploads/2020/08/Integrated-Modeling-in-the-Delta-Status-Challenges-and-a-View-into-the-Future-Management-Summary-2020.pdf) (bit.ly/3DXymZj) from IMSC and Tetra Tech, and [“Review of Water Supply Reliability Estimation Summary Sheet”](https://www.deltastewardship.org/wp-content/uploads/2020/08/Review-of-Water-Supply-Reliability-Estimation-Summary-Sheet.pdf) (bit.ly/3JXrxj8) from the ISB, and a recent [one-pager](#) (bit.ly/3Xhvrql) from Laurel Larsen our Lead Scientist. These papers attempt to cover some high-level general ideas that will hopefully get you prepared for the workshop presentations and discussions. Some of the information covered in these

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documents include the need for integrated modeling and coordination, alternative approaches to implementation, institutional and technological approaches to facilitating integrated modeling, and challenges to consider. These documents also have links to other resources if you are so inclined to dig any deeper.

This workshop is trying to achieve quite a bit over the two days, so we hope that you can come prepared and ready to engage. Our success in this endeavor absolutely depends on the feedback, concerns, and visions shared by the Delta modeling community. We (Delta Science Program) are here to help facilitate and coordinate the collaboration of our fellow professionals. Some of the key topics we are trying to tackle include a definition of, and examples of, successful modeling frameworks, the benefits of such an approach here in the Delta, specific use cases and case studies, opportunities to engage in existing modeling framework infrastructures, and defining specific components of a modeling framework and virtual modeling center. We will also discuss the need for funding, and some opportunities for immediate and long-term funding options.

Please feel free to reach out to hello@deltacouncil.ca.gov if you have any questions, or if you are looking for additional information prior to the workshop.



Sincerely,

Ben Geske

Senior Engineer, Water Resources