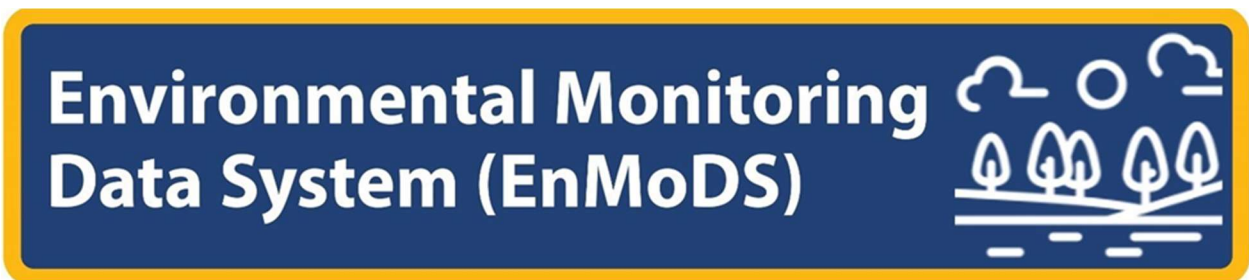


**Subject:** Update on the Environmental Monitoring Data System (EnMoDS)



July 2, 2024

I am pleased to share an update as the project team works towards the launch of the Environmental Monitoring Data System (EnMoDS).

### **Software as a Service (SaaS) solution**

We have made significant progress on system configuration and data migration with the vendor, Aquatic Informatics (AQI). A pilot migration has been carried out and AQI is now conducting performance testing on the broader migration. We are progressing through User Acceptance Testing (UAT) on the migration of observations, locations and groups, and various subject matter experts are assisting with the UAT efforts. The initial round of UAT testing is expected to be complete in July, and further rounds will take place over the summer as more records are uploaded and the data structure is refined.

We have mapped an Environmental Monitoring System (EMS) species table to a new taxonomy tree. This new structure for taxonomic data will reside in the EnMoDS solution, and it will improve the accessibility and management of the data as well as enhance taxonomic reporting. The project team has also started working on the migration of records specific to taxonomy data.

### **Customized components**

While conducting business analysis and service design, we identified components of the AQI SaaS tool where we felt customization would meet our requirements more fully. The aspects we identified were the Electronic Data Transfer (EDT) to facilitate data uploads, the Web Reporting Tool, a laboratory Chain of Custody form, and the replication of a database link to a system used for permit management.

We have completed a business analysis on these customized pieces and are working with vendors on development as detailed below:

- EDT Tool - We continue to iterate with Salus Systems on the design and build.
- Web Reporting Tool - We have completed the functional requirement gathering phase and are moving into the design phase with Salus Systems.

- Chain of Custody form - We have leveraged some internal tools available to the provincial government to develop the form and concluded the engagement phase. In the next few weeks, we will be looking at training for this component.
- Link to permit management system – The vendor, Computronix, is building out estimates on what will be needed to recreate the database link.

### **Data integration**

The project team has contacted DataBC to discuss how EnMoDS data will be replicated into the BC Geographic Warehouse (BCGW), BC Data Catalogue and iMap. We will connect with them again towards the end of the summer.

### **United States Geological Survey (USGS) Workshop**

In May, the EnMoDS project team hosted an in-person workshop for the United States federal agency USGS. The USGS successfully launched their own data monitoring solution with AQI in March 2024. The workshop was an opportunity to learn about their large-scale system implementation and explore strategic future alignments.

### **Project workflow**

There are multiple components which are being developed within the overarching EnMoDS solution which has led to an enhanced level of program management. The interdependencies between multiple vendors and applications has increased the complexity of project delivery which has impacted our budget, resourcing and delivery timeline. Consequently, the go-live date for the EnMoDS system has been pushed back to winter 2025.

We thank you for your patience and support during this process, and we remain committed to giving our EMS data providers a minimum of four months' notice to make necessary changes prior to implementation of the new system.

If there's an update you are looking for which I have not mentioned, please feel free to contact me at [Sonia.Fernandes@gov.bc.ca](mailto:Sonia.Fernandes@gov.bc.ca) or Project Director Tarik Dessouki at [Tarik.Dessouki@gov.bc.ca](mailto:Tarik.Dessouki@gov.bc.ca).

Thank you,

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