**Sustainable Management Practices: Unifying Environmental Insights for Contaminated Site Management**

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##### **Topic: Sustainable Management Practices**

**Sustainable Management Practices: Unifying Environmental Insights for Contaminated Site Management**

Managing contaminated sites in a data-driven world presents significant challenges—especially when environmental data is fragmented across multiple systems and formats. EarthSoft, a leader in environmental data management software, and AECOM, a global infrastructure consulting firm, have partnered to address this complexity. Their joint solution, EQuIS PlanEngage, leverages data federation to unify access to diverse data sources without duplication, enabling seamless integration, visualization, and storytelling.

A compelling example of sustainable management practices using EQuIS and PlanEngage is the remediation project of [**Faro Mine**](https://www.youtube.com/watch?v=yf-cC8qm0rg) in Yukon, Canada. Once the world’s largest open-pit lead-zinc mine, Faro Mine is now one of the most complex abandoned mine cleanup projects globally. The mission of the project is to mitigate contamination while restoring the land for First Nations communities—an initiative rooted in environmental sustainability and responsibility.

EQuIS PlanEngage is a transformative platform for sustainable management and effective contaminated site remediation. As a federated data solution, it provides stakeholders with real-time, transparent access to environmental information. With dynamic GIS capabilities, interactive tools, and unified data access, it delivers timely and accurate insights. By virtualizing multiple data sources, it strengthens governance, enhances stakeholder collaboration, and supports informed decision-making in remediation efforts. Its unique storytelling format improves communication, ensuring regulatory agencies and communities receive the information they need to protect public health and promote long-term site sustainability.

**Presentation Structure:**

* **Introduction:** Outline the challenges of managing fragmented environmental data and introduce the EarthSoft–AECOM collaboration.
* **A Federated Platform for Unified Insight**: Present EQuIS PlanEngage as a data federation and storytelling platform that integrates and visualizes environmental data in real time.
* **Driving Decisions and Alignment:** Highlight how the platform supports decision-making and stakeholder alignment, featuring the [Faro Mine case study](https://www.youtube.com/watch?v=yf-cC8qm0rg).
* **Governance and Public Health:** Emphasize improved data governance through federated access and the platform’s role in ensuring transparent communication with regulators and communities.
* **Conclusion:** Summarize key takeaways and the broader significance of EQuIS PlanEngage in sustainable site management.