

OGC's Advanced Interoperability Enabler: The OGC Rainbow

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Abstract

This session will focus on the latest research on interoperability enablers for distributed multi-vendor data environments. Imagine clicking on a map and instead of getting the attribute data of a feature like "cro = 12", you get the full definition of what "cro" means and in which unit it is measured. Only now you can use it! Currently, you would need to find the appropriate documentation, which may only be available in the form of a Word document. But where can it be found? This session introduces the OGC Rainbow, the world's most advanced environment for interoperability. We'll introduce the ideas, design decisions, and tools behind OGC Rainbow and show what role it can play for you. OGC Rainbow not only provides links to definitions, but is a full-spectrum interoperability environment that includes model-driven standards, support for continuous integration and testing, data model and building block registries, and many other tools that ultimately enable semantic interoperability, the long-awaited next interoperability level.