Title: Effortless, Efficient Data Sharing with deegree and FME

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Keywords: OGC, web services, data transformation, data sharing, INSPIRE

With deegree's industry leading OGC Web services, organizations can catalogue and deliver data more easily than ever before. Integrate FME's industry leading spatial data transformation technology and voila, organizations can now reap the benefits of effortless, efficient data sharing. This session discusses how the combination of deegree and FME technologies can enable organizations to more effectively deliver OGC Web Services for data sharing initiatives like INSPIRE. Throughout the session, we'll demonstrate how together, these powerful technologies make it easier for users to discover, publish and use data that is stored within an OGC environment.

First, we'll examine the backbone upon which data discovery and delivery is based – metadata. Catalog services such as the OGC's Catalog Service for the Web (CSW) are the database repositories for metadata. As such, the value of any particular catalog increases with both the volume of data and the ease of access to data stored in a catalog. This session highlights how spatial data transformation capabilities greatly reduce the effort for both publishers and consumers of CSW metadata. We'll demonstrate a simple web-based system that makes it easy for any data publisher to populate a deegree CSW with metadata information from GIS, CAD, Raster, GML, and 3D datasets. We'll also explore how the role data transformation plays in enabling the efficient and easy discovery of catalogue information.

Second, we'll explore one of the keys to success in an SDI – the ability to publish data in a consistent schema for easy consumer access. Through demonstration and discussion, we'll highlight how FME's transformation capabilities make it easy for data publishers to deliver their data via OGC services in an SDI schema, while at the same time leaving their existing systems unaltered.

Third, we'll discuss the requirement for usable data. In an OGC environment, data is typically delivered as a complex GML document. While this document type is easy to download and read, it is rarely presented in a way that is immediately useful by data consumers. In this session, we'll examine how the power of spatial data transformation can be used to translate and deliver a downloaded document in a form that the data consumer can use. The role of both schema translation and format conversion will be highlighted.

This session will conclude with a look towards the future. We'll discuss the possibilities of integrating these two technologies to deliver other web services such as OGC WPS.