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## **Alternative Encodings, Alternative APIs, Alternative Models?**

The INSPIRE community aims to increase data usability through the definition of alternative encodings such as GeoJSON and GeoPackage, but also through implementation of new service interfaces, such as the new OGC Features API. There is also an on-going discussion of restructuring the INSPIRE conceptual models. Such restructured models may be a better fit for formats and applications built on the basic Simple Feature paradigm (SF-0, SF-1), but usually involve trade-offs such as loss of information or of explicit associations.

At the same time, the unified conceptual models and the GML default encoding provide an exchange format, on which views for different types of applications and business processes can be built.

In this short presentation, we show how model transformation rules and data transformation rules can be used together to quickly create use-case specific data sets from INSPIRE specifications. This approach is based on work done in the MIG 2017.2 on alternative encodings, as well as our recent implementation of a GeoPackage Reader/Writer in hale studio.

### **Sub-category**

1.6 Cooperation on standardization

### **IJSDIR**

No, I will not submit an article to IJSDIR

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