Community Schema Road Map

✅ = Current mandate to perform task
❌ = No current mandate to perform task

The contents of this page are out of date - needs clarification of the implementation status of ISO Feature model on geotools and geoserver trunk.

That said... community schema support is an active process and in the process of creating test cases against the GeoSciML schemas with unsupported plugin modules in geoserver 1.6 (geotools 2.4) branch. The goal will be to roll these capabilities and test cases into trunk to test the ISO FM as soon as possible.

Milestone 0 - March, 2007

This is a small funded project that'll stress the whole planning and will provide back confident estimates

Geotools 2.4

Unsupported

✅	ISO Feature as unsupported module on trunk
✅	ComplexDataStore as unsupported module on trunk

GeoServer 1.6

✅	WFS ComplexDataStore support through community module

⚠️ From now on the timings are just tentative, and would need alignment with 2007 Q1

Milestone 1 - March, 2007

Primarily focused on preparation for the new feature model. While this is taking place, preparation for milestones 2 and 3 can take place in the unsupported space. In parallel, some of the recent GeoServer R&D work will be moving from the community space and made part of the core.

Geotools 2.4

Supported

❌	Feature Model Preparation
❌	Coverage Data Access

Unsupported

✅	Simple Feature Model Implementation
✅	Complex Feature Model Implementation
✅	Complex DataStore

GeoServer 1.6

✅	GTXML for Request Parsing and Response Encoding	
✅	Web Feature Service 1.1	GML Simple Feature level 0
✅	Versioned Web Feature Service	

Milestone 2 - April, 2007

Switch to the new simple feature model implementation developed in the unsupported space during the previous milestone.

Geotoools 2.5

Supported

❌	Simple Feature Model

Unsupported

❌	Catalog Support
	Complex Feature Model Implementation
	Complex DataStore

GeoServer 1.7

❌	Simple Feature Model

Milestone 3 - June, 2007

Preparation for the complex feature model.

Geotools 2.6

Supported

❌	Feature Xlink Support	
❌	ISO 19115 XML Bindings	ISO Metadata
❌	ISO 19130 XML Bindings	ISO Metadata
❌	Catalog Support	

Unsupported

✅	Complex GML Bindings
	Complex Feature Model Implementation
	Complex DataStore

GeoServer 1.8

❌	Catalog	
✅	Configuration	
✅	UI	
❌	External Schema Support	GML Simple Feautre Level 1 w External Schema
❌	POJO	POJO Support

Unplanned

Geotools 2.7

Supported

❌	Coverage as Feature	
❌	ISO 19123 2D Xml Bindings	2D Coverage as Feature
❌	ISO 19123 nD Xml Bindings	nD Coverage as Feature

Estimates

Category	Task	Estimate(hours)
Preparation	Deprecating old api	8
	Transitioning to new api	32
	Total	1 week
Simple Feature Model	Porting implementation from FM	16
	Refactoring AttributeType	6
	Refactoring FeatureType	6
	Refactoring Feature	6
	Deprecating obsolete classes	6
	Total	1 week
Complex Feature Model	Porting implementation from FM	40
	Attribute Multiplicity	24
	Complex Attributes	40
	Feature Attributes	40
	Tests	40
	Total	1 month
GML 3	Complex GML Bindings	40
	Xlink Support	80
	Total	3 weeks
WFS 1.1 Client	Request Generation	40
	Response Handling	40
	DataStore	40
	Total	3 weeks

	Total	12 weeks