

## ProvDM draft updates

		<b>Entity subclasses</b>	<b>IVOA Entity prov:type=vo prov:...</b>	<b>IVOA Relation</b>	<b>W3C Relation</b>
Entity	< --	Data	Data	Used/wGB	Used/wGB
		Document	Document	Used/wGB	Used/wGB
Collection		Thing	Thing	Used/wGB	Used/wGB
		Description	ActivityDescription	hadDescription	wasInfluencedBy
		(provone:Process)	Process (from ProvONE)	wasAssociatedWith	wasAssociatedWith
		(prov:Plan)	Plan (from PROV)	"	wAW+hadPlan
		Configuration	ConfigFile	hadConfiguration	wasInfluencedBy
		"	Parameter	"	"
		Context	AmbientConditions	hadContext	wasInfluencedBy
		"	InstrumentConfiguration	"	"
		"	ExecutionEnvironment	"	"

- **Entity:** An entity is a physical, digital, conceptual, or other kind of thing with some fixed aspects; entities may be real or imaginary. (W3C PROV definition)
- **Data:** digital, machine-readable information in some content that will be used/transformed/analyzed... Could be a cell or a column in a table, a file, an image, a cube of data... The **value** attribute could directly transport this information, or the **location** attribute directs to it.
- **Document:** information presented in a human readable form.
- **Thing:** a physical object, such as a tool, an instrument, a telescope...
- **ActivityDescription/Plan:** explanations on the activity, main contact(s), inputs expected, output produced...
- **ConfigFile:** file containing configuration information for the activity.
- **Parameter:** configuration of the activity before execution as a key=value parameter in the IVOA framework.
- **AmbientConditions:** common, prevailing, and uncontrolled atmospheric and weather conditions in a room or place that influence the activity
- **InstrumentConfiguration:** description of how the structure of the instrument and how it is set up before an activity starts.
- **ExecutionEnvironment:** describes a particular execution platform, such as an operating system or a database management system. Execution environments are used to describe the context in which the execution of an activity takes place. Execution environments could also describe the computing hardware of a system.