Possible dataset content types
Notation : Spectral1 : 1 sample along Spectral axis (the same for Space1,Time1, etc…=
*Irreg= irregular sampling along * axis
*Reg = regular sampling along * axis

  HereWe propose names. Fill free to propose others, to make some groupings. Maybe some combinations can be forgotten. We already have groupe TimeIrreg and TimeReg in the generic *** Time series. Obviously we should finish with around ten data types (maybe with subtypes).

Another question spaceFrequency sampled for visibility data. Does SpectralFourrier or TimeFourrier (or frequency) make sense ?

Mode of axis spanning	Name	Example/provenance
Flux, Space1, Spectral1,Time1, NoPolarization :	Measurement	Star flux
Flux,SpaceIrreg,Spectral1,Time1, NoPolarization	Catalog	Position/fluxes
Flux,SpaceReg,Spectral1,Time1,NoPolarization	2D Image	
Flux,SpaceFrequency,Spectral1,Time1,NoPolarization	Visibility data	Radio Interferometry
Flux,Space1,SpectralIrreg,Time1,NoPolarization	SED	Multiband photometry
Flux,Space1,SpectralReg,Time1,NoPolarization	Spectrum	Echelle, spectrograph,
Flux,SpaceIrreg,SpectralIrreg,Time1,NoPolarization	Catalog	Multiband for several pos
Flux,SpaceIrreg,SpectralReg,Time1,NoPolarization	MOS	IFU
Flux,SpaceReg,SpectralIrReg,Time1,NoPolarization	Multiband Image	Multi-filter Imaging
Flux,SpaceReg,SpectralReg,Time1,NoPolarization	SpectraImaging	IFU,Radio Interfero
Flux,Space1,Spectral1,TimeIrreg,NoPolarization	Light curve	Irregular Light curve
Flux,Space1,Spectral1,TimeReg,NoPolarization	Light curve	Regular Light curve
Flux,Space1,SpectralIrreg,TimeIrreg,NoPolarization Flux,Space1,SpectralIrreg,TimeREg,NoPOlarization	:SED Time serie?	SED evolution in time
Flux,Space1,SpectralReg,TimeIrreg,NoPolarization Flux,Space1,SpectralReg,TimeReg,NoPolarization	Spectra Time series	Evolution of spectrum
Flux;SpaceIrreg,Spectral1,TimeIrreg,NoPolarization Flux,SpaceIrreg,Spectral1,TimeReg,NoPolarization	Event list, MultiObject TimeSeries	Multi object light curve
Flux,SpaceReg,Spectral1,TimeIrreg,NoPolarization	Multi_epoch image	Field evolution
Flux,SpaceReg,Spectral1,TimeReg,NoPolarization	Image Time series	Photon counting system
Flux;SpaceIrreg,SpectralIrreg,TimeIrreg,NoPolarization Flux,SpaceIrreg,SpectralIrreg,TimeReg,NoPolarization	Event list, Multi Object Multiband Time Series	MultiObject SED evolution multiband Catalog of variable sources
Flux;SpaceIrreg,SpectralReg,TimeIrreg,NoPolarization	MOS time series	MOS evolution

Flux,SpaceIrreg,SpectralReg,TimeReg,NoPolarization		
Flux;SpaceReg,SpectralIrreg,TimeIrreg,NoPolarization Flux,SpaceReg,SpectralIrreg,TimeReg,NoPolarization	Multiband multi epoch Image Multiband image time series	
Flux;SpaceReg,SpectralReg,TimeIrreg,NoPolarization Flux,SpaceReg,SpectralReg,TimeReg,NoPolarization	Multi epoch spectroImaging SpectroImaging time series	
Flux, Space1, Spectral1,Time1,Polarization :	Polarized measurement	Star polarized flux
Flux,SpaceIrreg,Spectral1,Time1,Polarization	Catalog	Position/polarized fluxes
Flux,SpaceReg,Spectral1,Time1,Polarization	Multi pol Image	
Flux,Space1,SpectralIrreg,Time1,Polarization	Polarized SED	
Flux,Space1,SpectralReg,Time1,Polarization	Polarized spectra	Spectropolarimetry
Flux,SpaceIrreg,SpectralIrreg,Time1,Polarization	catalog	Multiband for several pos and polarization
Flux,SpaceIrreg,SpectralReg,Time1,Polarization	MOPS	
Flux,SpaceReg,SpectralIrReg,Time1,Polarization	Multiband and PolarizationImage	Multi-filter; Multi-pol Imaging
Flux,SpaceReg,SpectralReg,Time1,Polarization	SpectroandPolarizedImaging	IFU,Radio Interfero
Flux,Space1,Spectral1,TimeReg,Polarization Flux,Space1,Spectral1,TimeIrreg,Polarization	Polarized Light curve	Light curve
Flux,Space1,SpectralIrreg,TimeIrreg,Polarization Flux,Space1,SpectralIrreg,TimeREg,Polarization	SED Time series	SED evolution in time
Flux,Space1,SpectralReg,TimeIrreg,Polarization Flux,Space1,SpectralReg,TimeReg,Polarization	Polarized spectra Time series	Evolution of spectropolarimetry
Flux;SpaceIrreg,Spectral1,TimeIrreg,Polarization Flux,SpaceIrreg,Spectral1,TimeReg,Polarization	Event list	Multi object Polarized light curve
Flux,SpaceReg,Spectral1,TimeIrreg,Polarization	Multi epoch and Polarized image	Field evolution
Flux,SpaceReg,Spectral1,TimeReg,Polarization	Polarized Image Time Series	Polarized Photon counting system
Flux;SpaceIrreg,SpectralIrreg,TimeIrreg,Polarization Flux,SpaceIrreg,SpectralIrreg,TimeReg,Polarization	Event list	MultiObject Polaroized SED evolution
Flux;SpaceIrreg,SpectralReg,TimeIrreg,Polarization Flux,SpaceIrreg,SpectralReg,TimeReg,Polarization	MOSpolariletry Time Series	MOS polarimetry evolution
Flux,SpaceReg,SpectralIrreg,TimeReg,Polarization Flux;SpaceReg,SpectralIrreg,TimeIrreg,Polarization	multibandPolarized image time series	
Flux;SpaceReg,SpectralReg,TimeIrreg,Polarization Flux,SpaceReg,SpectralReg,TimeReg,Polarization	polarization spectroImaging Time Series	
No Flux: same as above for Radial Velocity, spectral index, Line ratio, equivalent width, velocity dispersion, noise maps, instead of "Flux" etc…..		