

jra-t2-data-product-type

to be updated and extended, from FP7 times (initially from EPN/IDIS meeting Nov. 2011, plus discussion at EGU2016 & inputs from Chiara, 6/2016):

Resource Type	Description	Notes
Catalogues	1D list of elements	
Catalogue Items	0D list of elements	
Times Series	1D series of values depending on time	
Image /Map	2D series of values depending on 2 spatial axes	This Resource type includes both Images and Maps. The difference between these two Resources being usually the Physical Parameter (Images for measured parameters, Maps for derived parameters).
Spectrum	1D series of values depending on a spectral axis	The spectral axis is a generic term which could be replaced by Frequency, WaveLength, WaveNumber, Energy, Mass, Charge... (relies on UCD)
Dynamic Spectrum	2D series of values depending on time and on a spectral axis	Same remark as for Spectrum + FoV is homogeneous (this is a 2D spectral cube otherwise)
Spectral Cube	3D series of values depending on 2 spatial axes and on a spectral axis	Same remark as for Spectrum + can be 2D spatial/spectral either.
Volumes (or Mesh)	3D series of values depending on 3 spatial axes	This resource contains either series a values depending on 3 spatial coordinates, or tabulated values in a volumic grid.
Profile	1D series of values depending on a spatial axis	
Dynamic Maps (or Movies)	3D series of values depending on 2 spatial axes and on time	

Resource Type	T	Fq	X	Y	Z
Catalogue					
Times Series	X				
Dynamic Spectrum	X	X			
Spectrum		X			
Profile			X		
Image/Map			X	X	
Spectral Cube		X	X	(X)	
Dynamic Maps (or Movies)	X		X	X	
Volumes (or 3D-Maps)			X	X	X (including Sparse)