Do we need more than just taxonomy?

Our aspiration is to create a system that holes the Arm acc system to share undate and manage software (DLMA)
Rastermaß, Kompatibilität

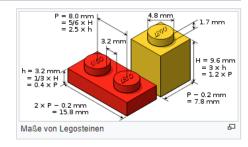
Considerations are:

- Interface definitions
- Unified packs for essentials (FreeRTOS, lwIP, FileSystem, ...)
- Structured ways to add 3rd party software
- Data sheets for software packs
- Better search capabilities (taxonomy)

Maß	Lego ("System")	Duplo	Quatro	Primo			
Breite (Raster)	8 mm	16 mm	32 mm	48 mm			
Breite (1x1-Baustein)	7,8 mm	15,6 mm	31,2 mm	46,8 mm			
Höhe (Bausteinhöhe)	9,6 mm	19,1 mm	?	38,3 mm (davon 5 mm Röhrchenüberstand unten)			
Plattenhöhe (relativ)	1/3	1/2	1/3				
Das Rastermaß spiegelt die Vergrößerung eines Bauwerks durch Anfügen eines Steins wider; an einem Stein ist es der von Noppenmitte zu Noppenmitte messbare Abstand.							

	Lego	Duplo	Quatro	Primo
Lego		sitzt auch auf Lego-Noppen		
Duplo	2×2-Steine und deren Vielfache passen auf Duplo-Noppen		passt	passt mit seiner unten vorstehenden Zylinderhülse klemmend über 4 Duplo-Noppen. Weil der Korpus weniger weit nach unten reicht, bleibt der einfache Primostein auf 4 Duplonoppen (genauso wie auf einer Primonoppe) trotz Nachbarnoppen frei drehbar.
Quatro		passt		
Primo				







We need ways to educate industry and improve quality so that packs from different vendors fit together

Pack Datasheet: github.com/Open-CMSIS-

- Generated Pack Datasheet" based on *.PDSC XML data
- Possible "datasheet" content based on F file
 - Pack
 - Link to documentation
 - License
 - Keywords (for search)
 - Components
 - External dependencies (required components)
 - Exposed header files (API)
 - Configuration files, user code template files, examples
 - Release history
- Not directly possible (based on PDSC file) but potential useful

 - Mandatory components (that a user must select)
 Provided interfaces (i.e. BSD socket)

 Maybe exposed header files is sufficient?
 Overview diagram (could be part of documentation)
 Related components (i.e. Crypto, IoT socket, Cloud stacks, RTOS kernels)

 Maybe by listing packs that require components from this pack

Pack Datasheet example *needs more work*: https://github.com/ReinhardKeil/lwIP/tree/patch-1

