Use Case 1: Creating the Digital Thread
Product Model Meta-data Catalogue for new products piloting status

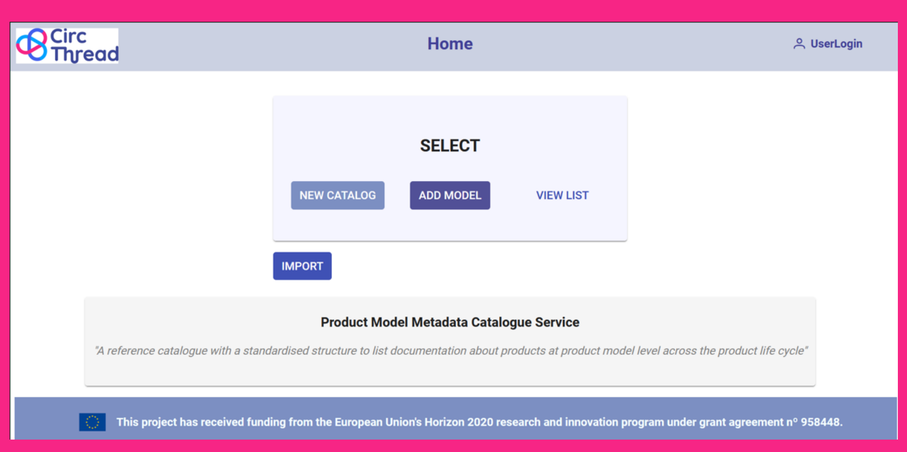
Referencing and sharing detailed product information using the catalogue along the product life cycle

CircThread Product life cycle actors: Manufacturer, Retailer, Installer, Product user, Repairer, Collector PRO, Recycler

Pilot activities carried out:

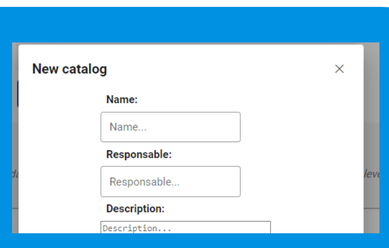
- Search and selection of available manufacturer documentation per type of product (all pilots)
- Analysis of WHERE is the documentation, WHO creates, WHO uses and WHICH format (all pilots / all use cases)
- Showcases of web interface mockup of metadata catalogue service

Action	Life cycle state	Information (What)	Who creates	Who uses	Where is	Which format	Service
Setup product model information	Manufacturing	list of requirements for a product model	Product model registry. Fill it by the Manufacturer	Circthread	Circthread		Product model reguistry
Setup Metadata Catalogue	Manufacturing	List of data for a catalogue and product model	Metadata service. Fill it by the manufacturer	Circthread	Circthread		Metadata Catalogue
Setup DPP	Manufacturing	List of data for a product	DPP. Fill it by the manufacturer	Circthread	Circthread		DPP
Data usage contracts	Manufacturing	Data contract for sharing conditions	Manufacturer	Rest of users		Pdf, word	S5: Product Data Usage Contracts/IDS Clerainghouse with trusted connector
Information from product life cycle	Manufacturing	Aggregate data per product	All users	Manufacturer	DPP		DPP
Update product status	Retail	Update status	Retailers	all	DPP		DPP
Installation	Installation	Installation documentation	Manufactures	Installer/Maintenance	Manufacturer documentation	pdf?, word?	METADATA
	Installation	Update status	Installer/Maintenance	all	DPP		DPP
Maintenance	Maintenance	Maintenance Manual	Manufactures	Maintenance	Manufacturer documentation	pdf, word???	METADATA
Consumer access	use	check DPP and Metadata	Manufacturer	Consumer	Manufacturer documentation		DPP/METADATA
Update product status	use	Update status		Consumer	DPP		DPP
check information	use (repair)	Repair manual	Manufacturer	Repairer	Manufacturer documentation	pdf, word???	METADATA



- [July 24] Incorporation of external services to access information (EPREL)
- [Sept 24] Testing of upload information in bulk (Manufacturers)
- [Oct 24] Testing of data space access (data contracts ready)
- [Nov 24] Platform integration

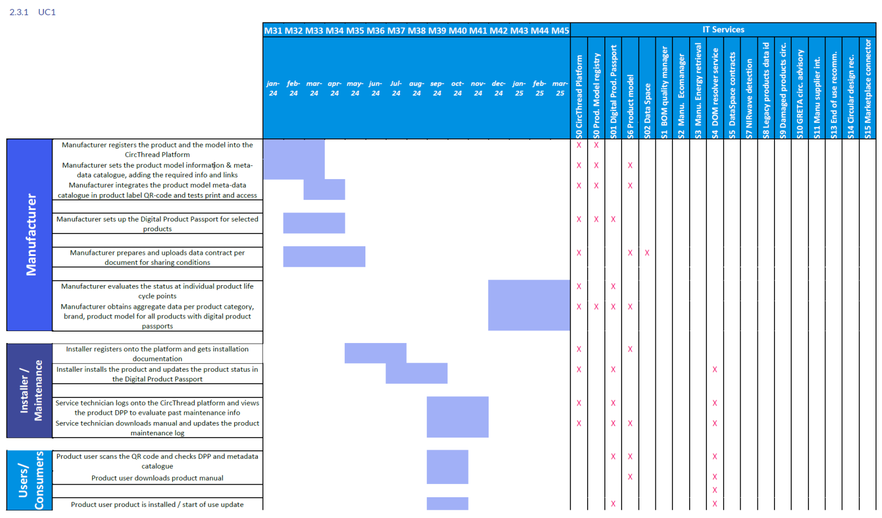
Manufacturer	DOMUSA TEKNIK
Product Category	BOILER
Brand	DOMUSA
Active	YES
Product model name	BIOCLASS iC 12 V (este además es el identificador del modelo de producto en EPREL)
MPN/model number	TB1O000159
External identifier (EAW/GTIN)	?



- Product model registry must provide the minimum information entered by the project manufacturer.
- Data space access through URL in private documents.
- Authentication layer provides author information for the catalogue entries (Responsible) and token information to verify access.
- Integration of ontology definitions in the "Description" metadata field.

Testing of service updates with other services requesting information from the catalogue (e.g. DPP, Legacy products)

Detailed Activities for Use Case 1 from D7.2



D7.2 - Page 18+19 – IT pilot ; Page 26+27 – SI pilot ; Page 34+35 – ES pilot

https://circthread.com/

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