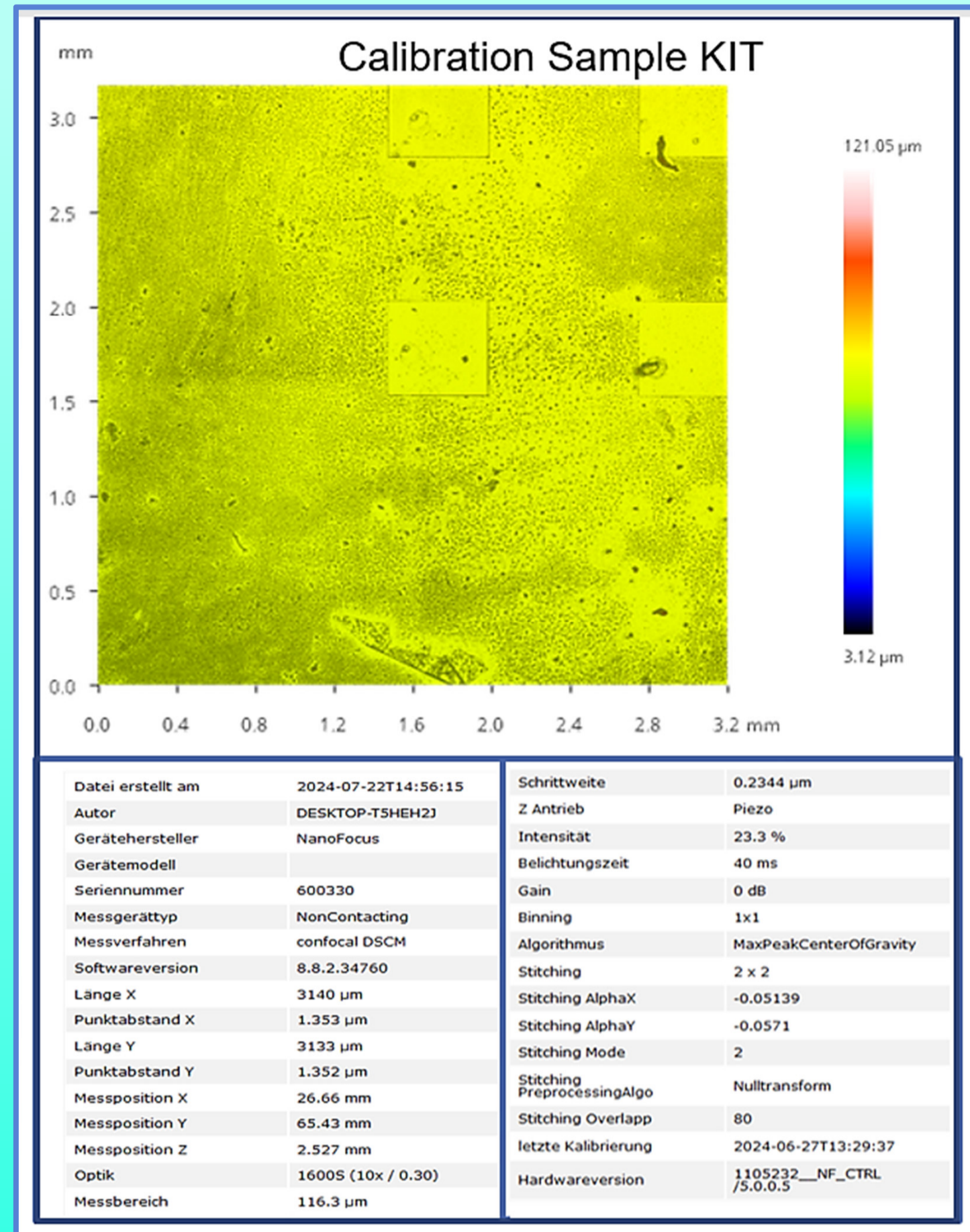
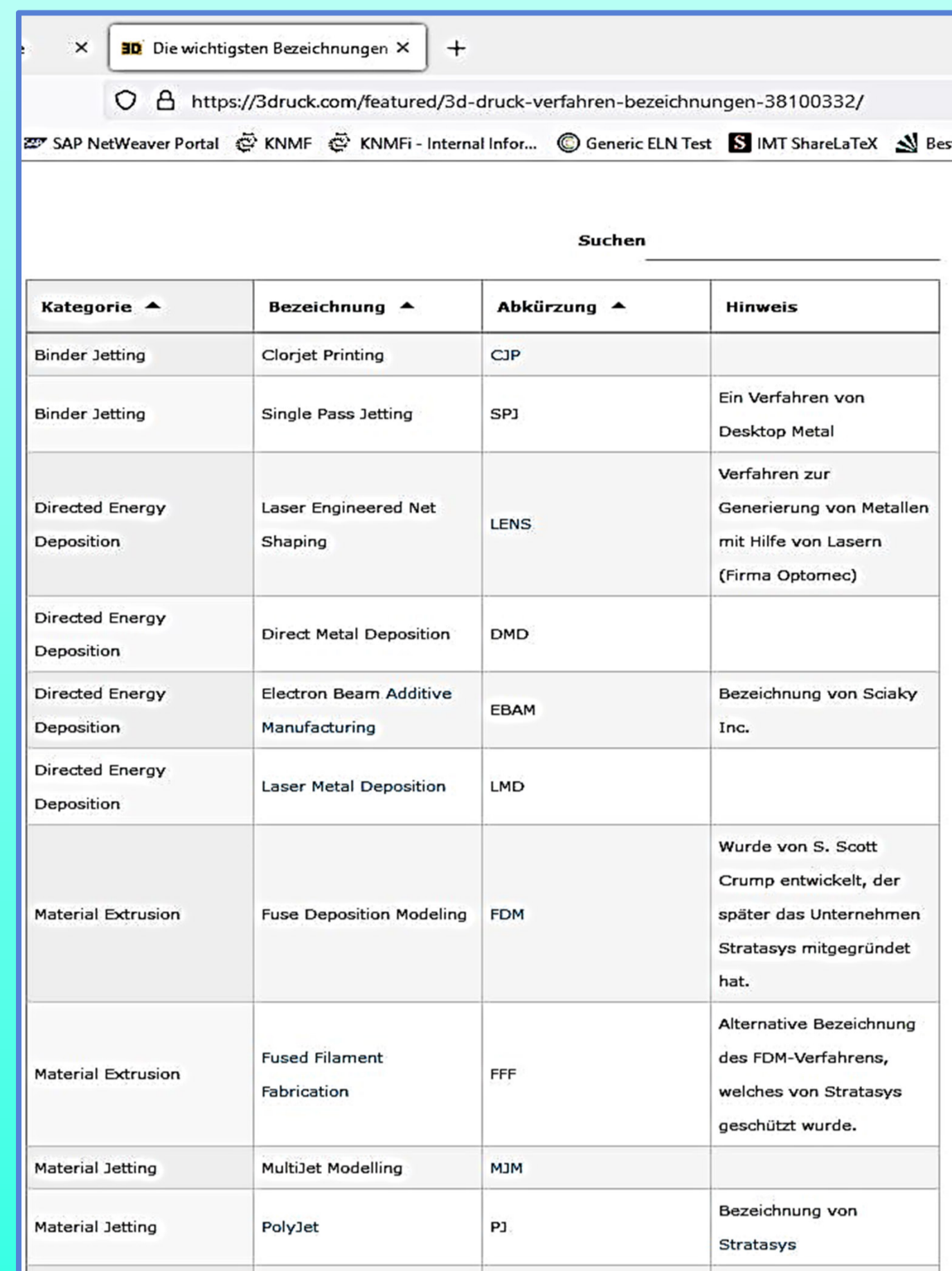


# MDMC Metadata Working Group: Future Topics 2025+

Rossella Aversa, Richard Thelen on Behalf of the MDMC Metadata WG

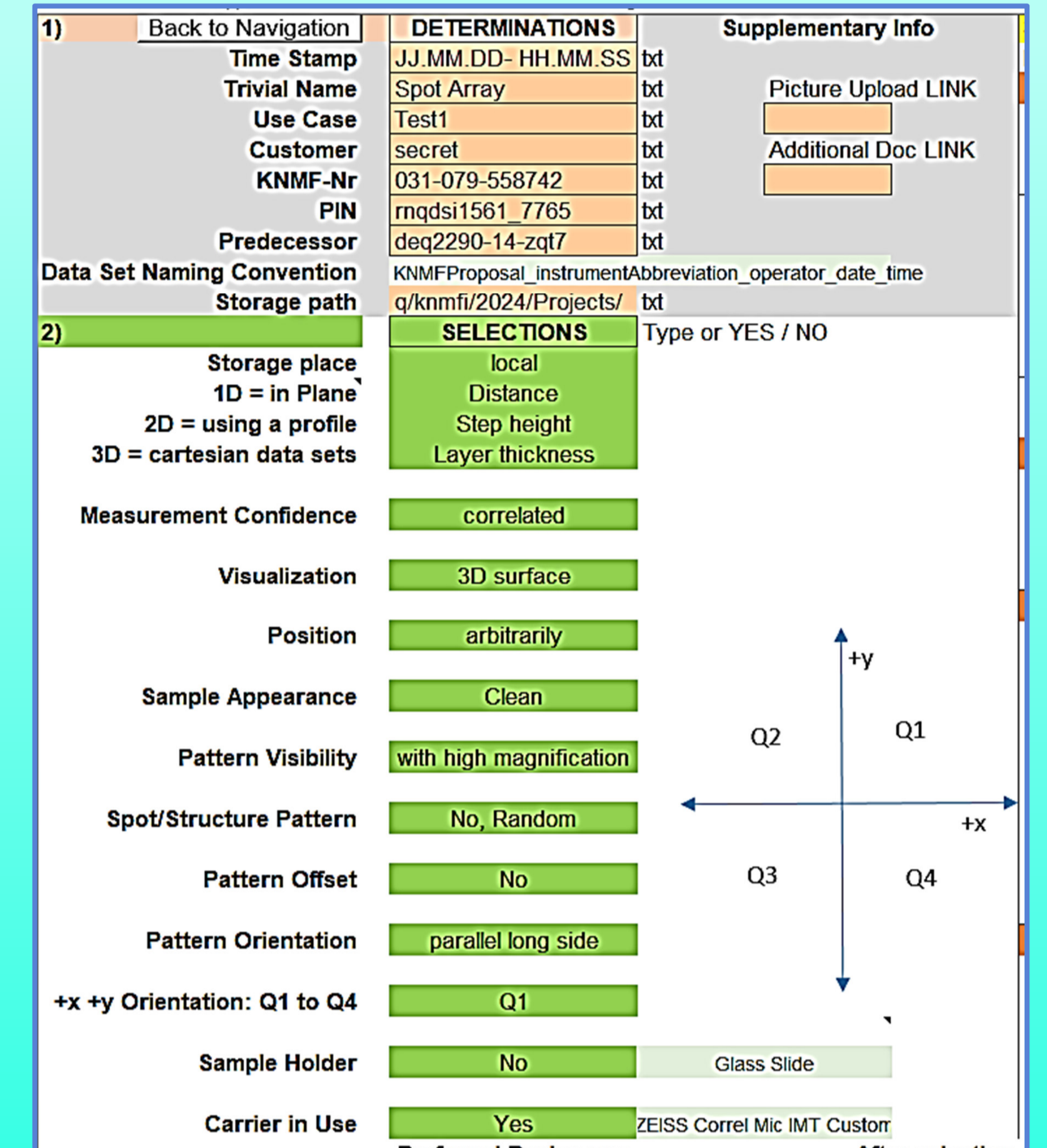


A Collection of tools: visualizing data in a ELN/python environment



Kategorie	Bezeichnung	Abkürzung	Hinweis
Binder Jetting	Clorjet Printing	CJP	
Binder Jetting	Single Pass Jetting	SPJ	Ein Verfahren von Desktop Metal
Directed Energy Deposition	Laser Engineered Net Shaping	LENS	Verfahren zur Generierung von Metallen mit Hilfe von Lasern (Firma Optomec)
Directed Energy Deposition	Direct Metal Deposition	DMD	
Directed Energy Deposition	Electron Beam Additive Manufacturing	EBAM	Bezeichnung von Sotaky Inc.
Directed Energy Deposition	Laser Metal Deposition	LMD	
Material Extrusion	Fuse Deposition Modeling	FDM	Wurde von S. Scott Crump entwickelt, der später das Unternehmen Stratasys mitgegründet hat.
Material Extrusion	Fused Filament Fabrication	FFF	Alternative Bezeichnung des FDM-Verfahrens, welches von Stratasys geschützt wurde.
Material Jetting	Multijet Modelling	MMJ	
Material Jetting	PolyJet	PJ	Bezeichnung von Stratasys

Proper documents: user guidelines, videos of *How to..*,



1) Back to Navigation

DETERMINATIONS

JJ.MM.DD-HH.MM.SS bt

Spot Array bt

Picture Upload LINK

Test1 bt

Use Case bt

secret bt

Additional Doc LINK

031-079-558742 bt

KNMF-Nr bt

mqdsi1561\_7765 bt

PIN bt

deg2290-14-zqt7 bt

Predecessor

Data Set Naming Convention KNMFProposal\_instrumentAbbreviation\_operator\_date\_time

Storage path q/knmfi/2024/Projects/ bt

2) SELECTIONS Type or YES / NO

Storage place local

1D = in Plane Distance

2D = using a profile Step height

3D = cartesian data sets Layer thickness

Measurement Confidence correlated

Visualization 3D surface

Position arbitrarily

Sample Appearance Clean

Pattern Visibility with high magnification

Spot/Structure Pattern No, Random

Pattern Offset No

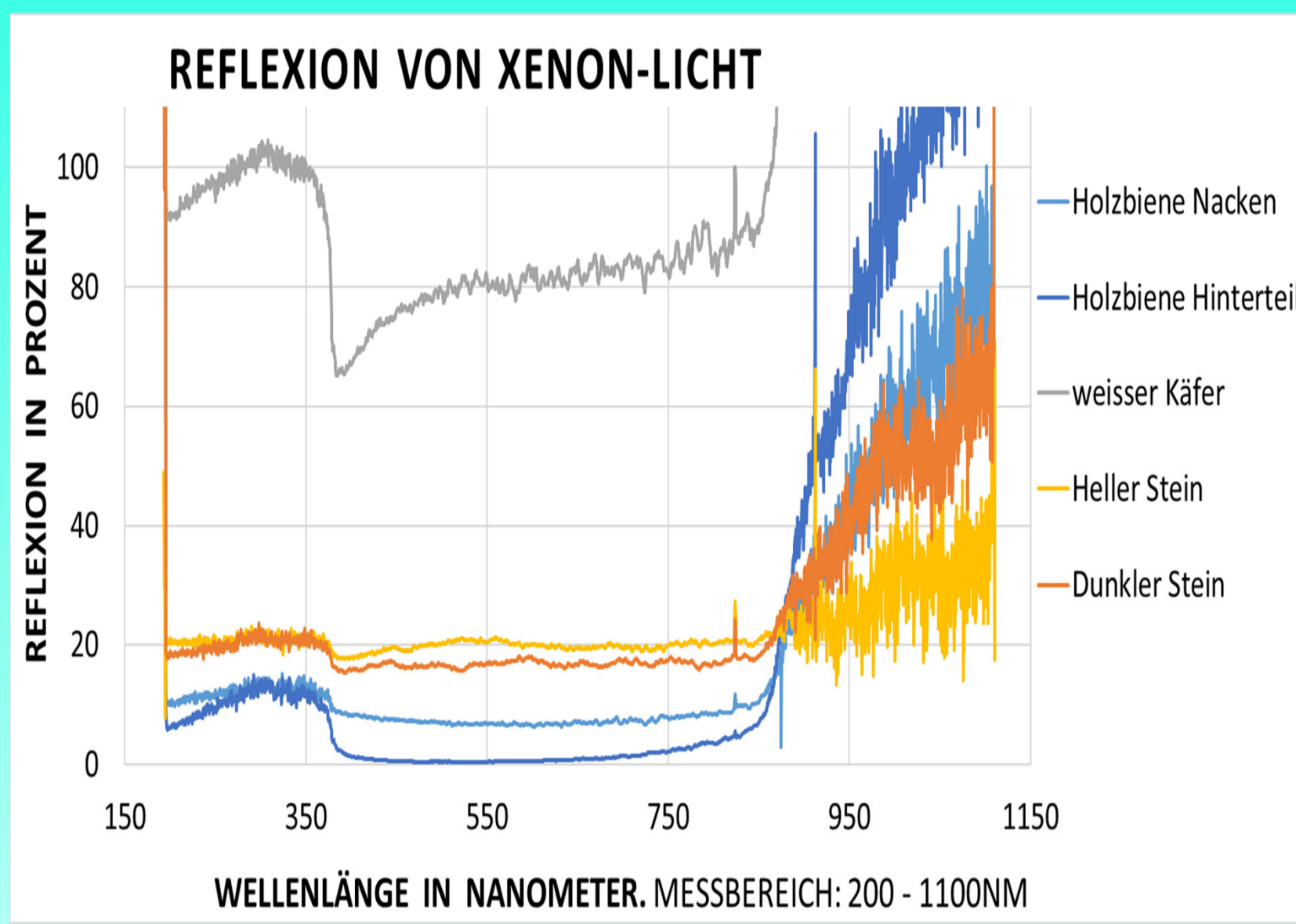
Pattern Orientation parallel long side

+x +y Orientation: Q1 to Q4 Q1

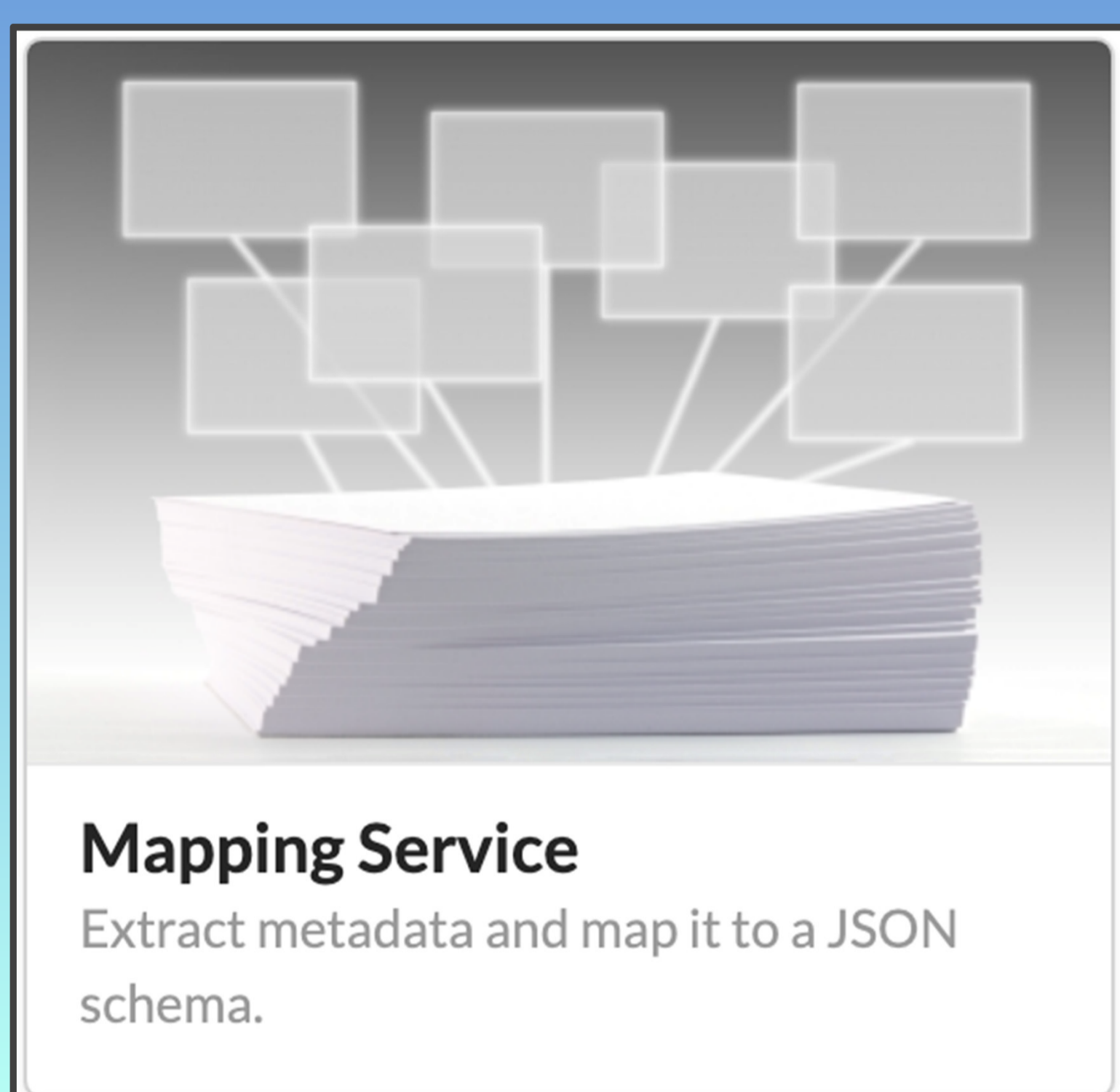
Sample Holder No Glass Slide

Carrier in Use Yes ZEISS Correl Mic IMT Custom

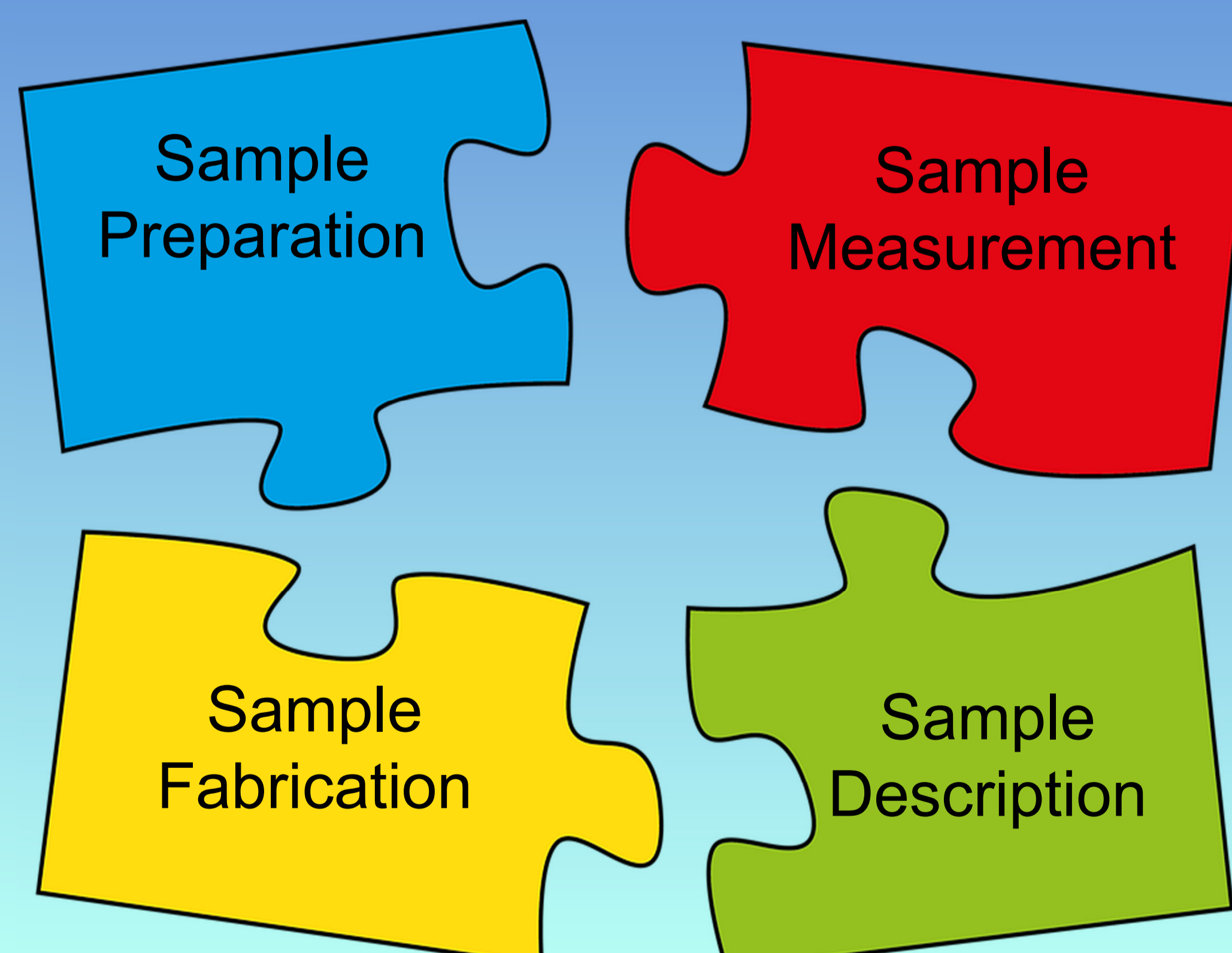
Interactive interface: job definition derived from a scientific question



Metadata extraction and mapping to schemas: SEM and light microscopy



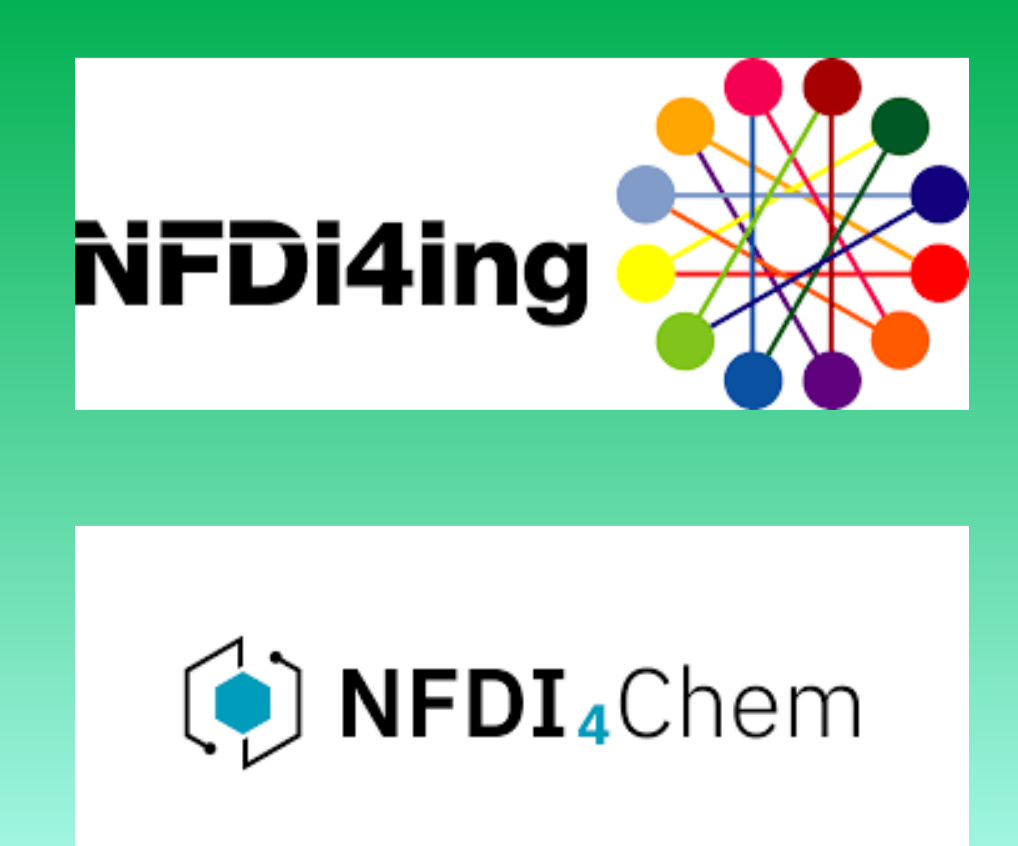
Modular approach: sample treatments and reuse



Expansion of glossary: list of synonyms for preferred terms

Preferred term*	Alias
Sample	Specimen
	Probe
	Object
	Piece
	Item

\*[https://metarepo.nffa.eu/evoks/MDMC-NEP\\_Glossary-1/en/](https://metarepo.nffa.eu/evoks/MDMC-NEP_Glossary-1/en/)



Collaboration opportunities: