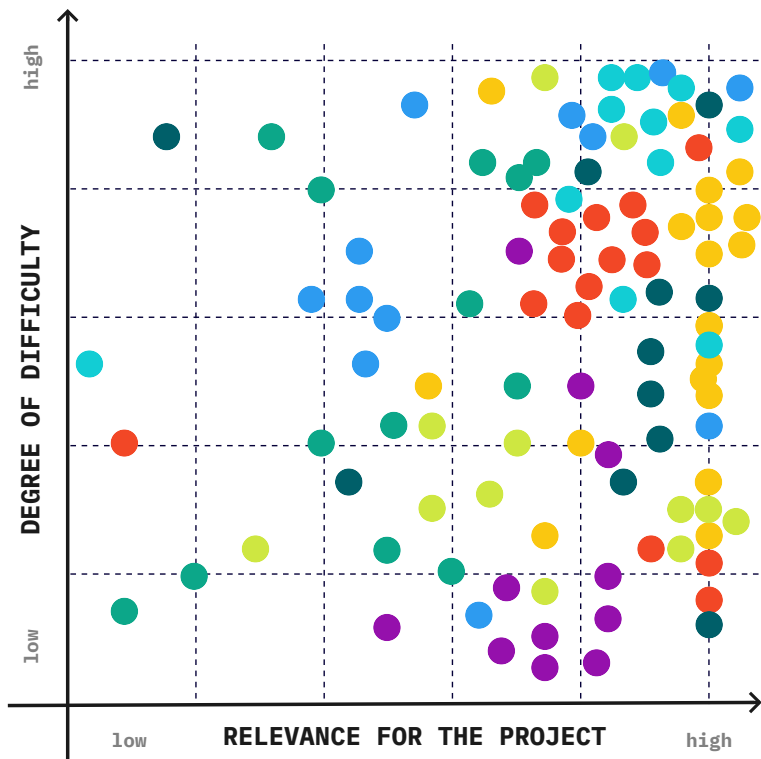


How do you rate the following challenges to agreeing on a common standard for digital academic credentials in an international context?



Adaptation of organisational processes



Technical feasibility



Mutual trust between institutions



Funding



Quick implementation



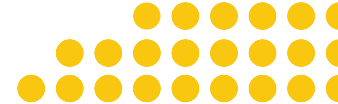
Legal frameworks



Data standards



Data protection



Which regulatory aspects are particularly challenging for international academic collaboration regarding Digital Credentials?

Reflecting on the digital credentialing process outlined on the right hand side, please note which regulations affect each step and which country you work in. Please use coloured post-its as shown below. For example: GDPR would be a turquoise post-it, as it is a national regulation, which is already in force.

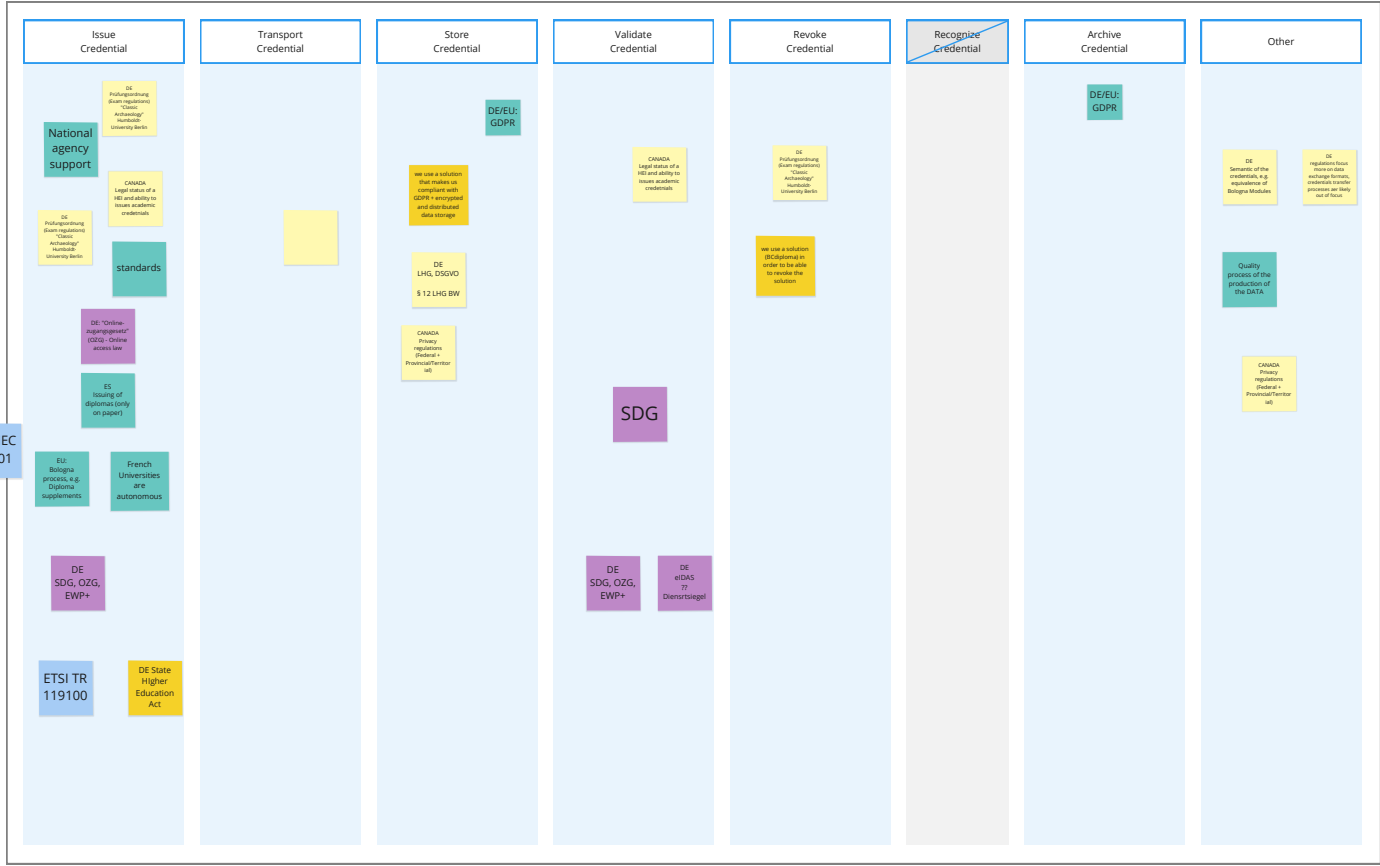
Regulations already in force

- Federal / Regional/ Institutional
- National (incl. EU)
- International

ISO/IEC 27001

Planned regulations that will come into force in the next 24 months

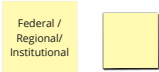
- Federal / Regional/ Institutional
- National (incl. EU)
- International



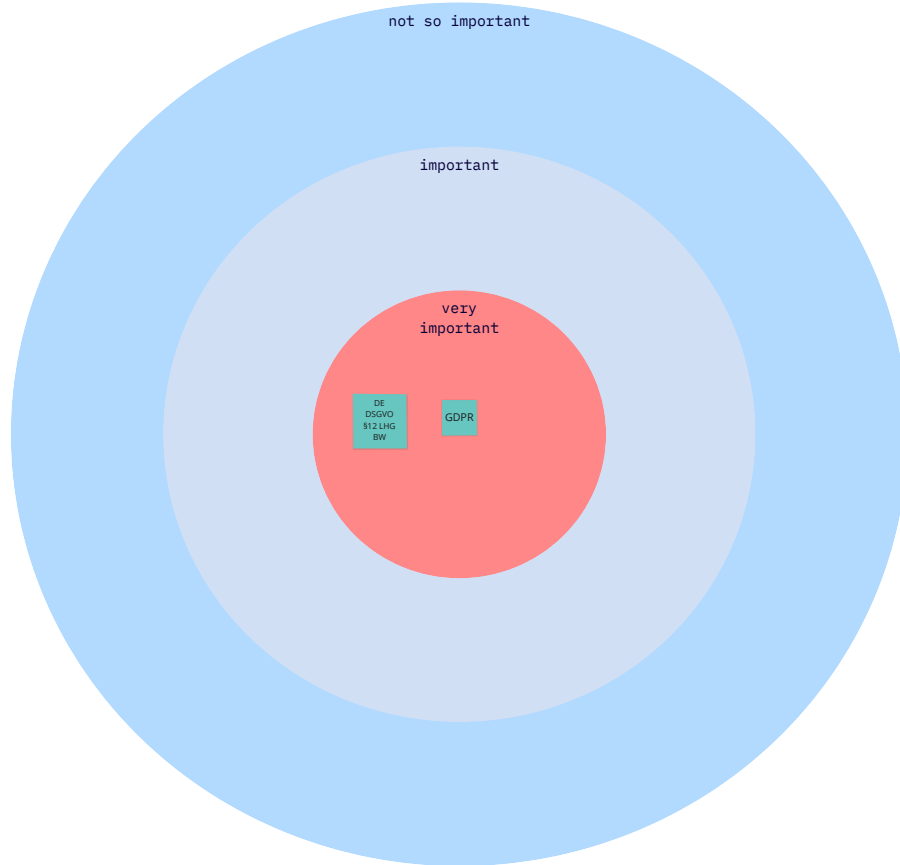
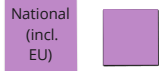
And, which of these regulatory frameworks are most relevant to your daily work?

Please copy the post-its from frame 2 and let us know which frameworks are most relevant to your daily work.

Regulations already in force



Planned regulations that will come into force in the next 24 months

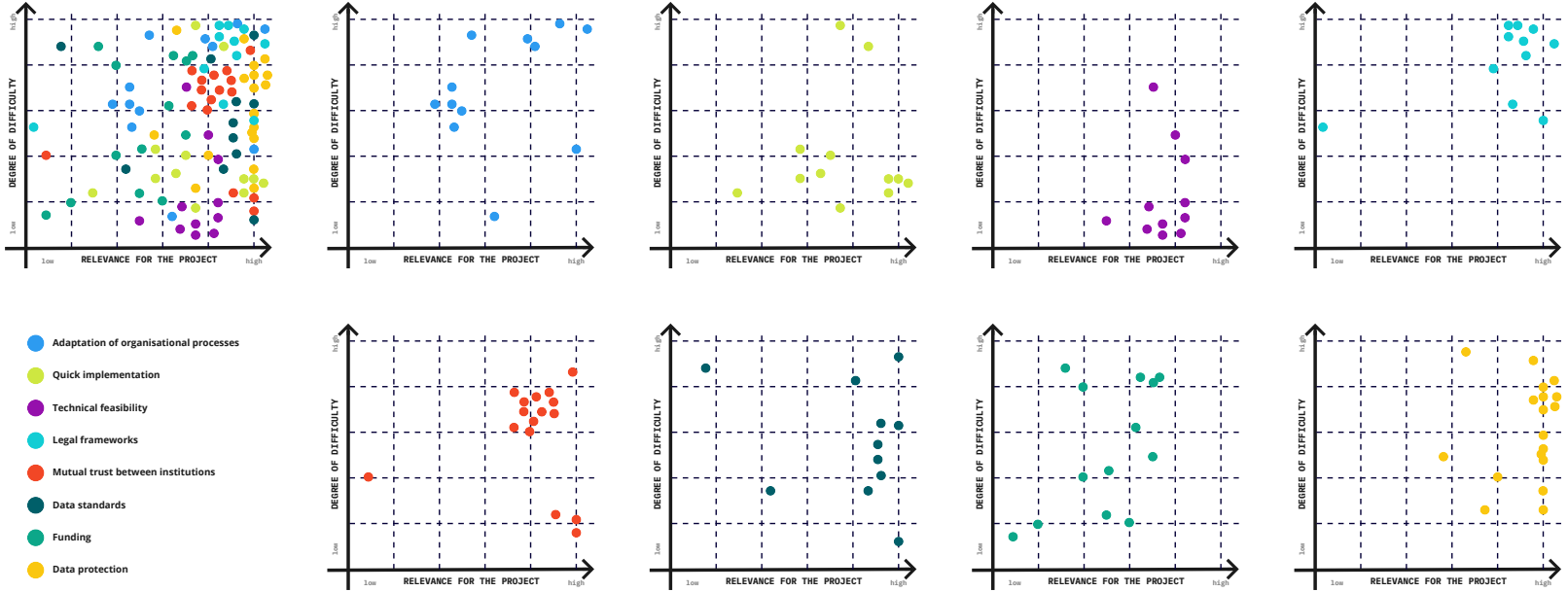


Questions

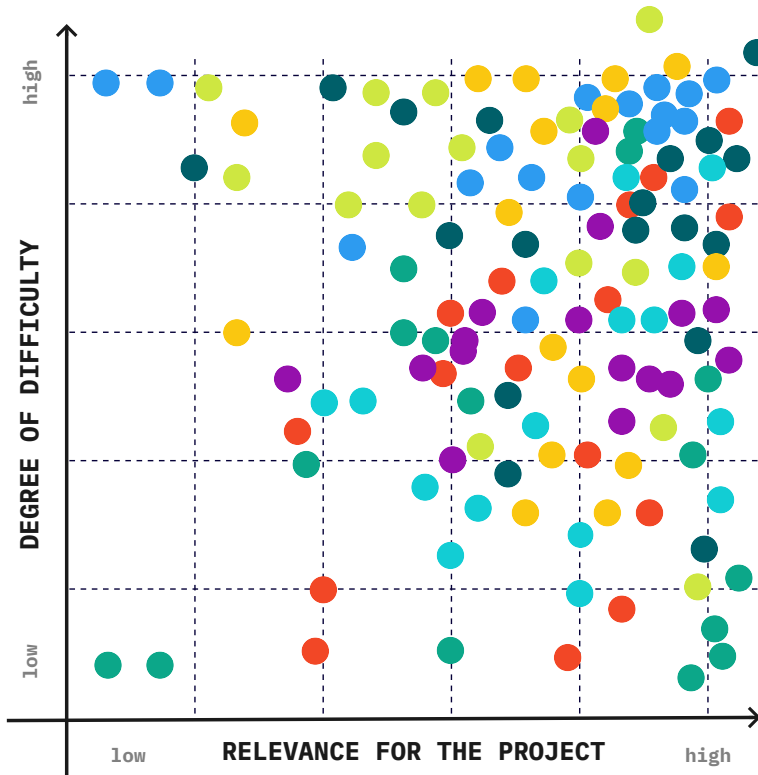
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Comments

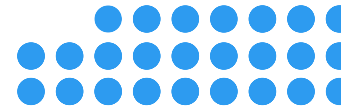
Documentation 1



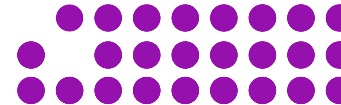
How do you rate the following challenges to agreeing on a common standard for digital academic credentials in an international context?



Adaptation of organisational processes



Technical feasibility



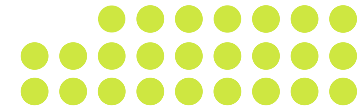
Mutual trust between institutions



Funding



Quick implementation



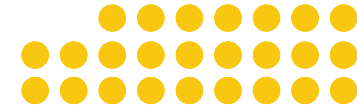
Legal frameworks



Data standards



Data protection



At which stages/level of digitization are the administrative processes in your institutions?

1. Choose an alias

Choose one of the given combinations and enter a name. If you like, you can name your institution here. You can also name an alias of your choice. By entering the name, you indicate to the other participants that this combination has already been used.

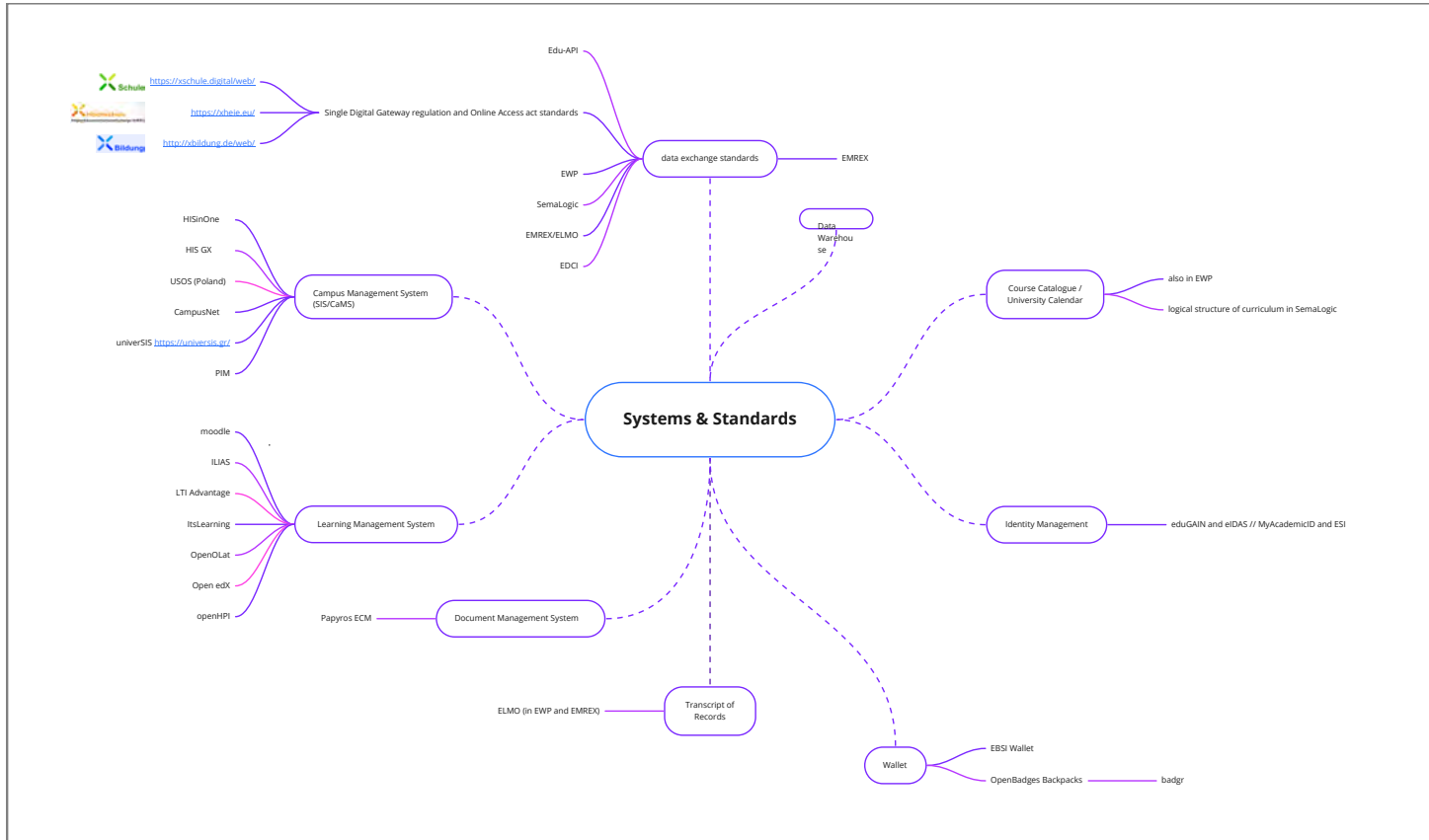
2. Go!

What is the stage of digitization of administrative processes at your HEI? Drag the small shapes into the corresponding field in the matrix on the right.

	TUM, MG		openHPI
	AUTH		Your alias
	Your alias		Your alias
	Your alias		Your alias
	Your alias		Your alias
	Your alias		PosiTO
	Your alias		Your alias
	Your alias		WR
	Your alias		Nikos Voutsinas Günter
	Your alias		Your alias
	Your alias		IK
	Your alias		Your alias
	Your alias		Your alias
	Andreas Wittke TH Lübeck		UH
	Your alias		Your alias
	Your alias		JMU, TB
	HRW		Susan
	Your alias		Your alias
	Your alias		MvdK, guessing for SFU
	FB		Carlos, UC3M
	Your alias		Your alias
	Your alias		Your alias

	no considerations yet	conceptual phase	in planning	in implementation	digitized
issue diploma					
issue module certificate					
verify documents					
authenticate identity					
archive documents					

Which systems and standards are already in place at your institutions?



- < Your Idea >
- < Your Idea >
- < Your Idea >
- < Your Idea >
- < Your Idea >

Your interoperability stories...

NRENS doing a good job of persuading HEIs to demand open standards from the vendors they use

2000 HEIs using EWP in Europe (and were only starting)

I think, we need to code the semantic context into the certificates. Without the underlying course structure, the coded meaning is not enough to verify and recognize the credits. Please have a look at SemaLogic for a vendor independent coding schema.

Epci pilot program

SDG-R as one of the most complex projects in the world :)

Share your Experiences

The OZG should be finished at the end of 2022 in Germany

Let's avoid EWP mistakes: release Free & Open code that works, don't put HEIs in the situation of having to all discover the hot water

eDiplomas (greece) the biggest challenges come from the semantics on the diplomas "document"

We need corporation with the Campus Management Systems +1 on that!



Photo by Jonny Gios on Unsplash

Thanks

Thanks for organizing this exchange of ideas and experiences!

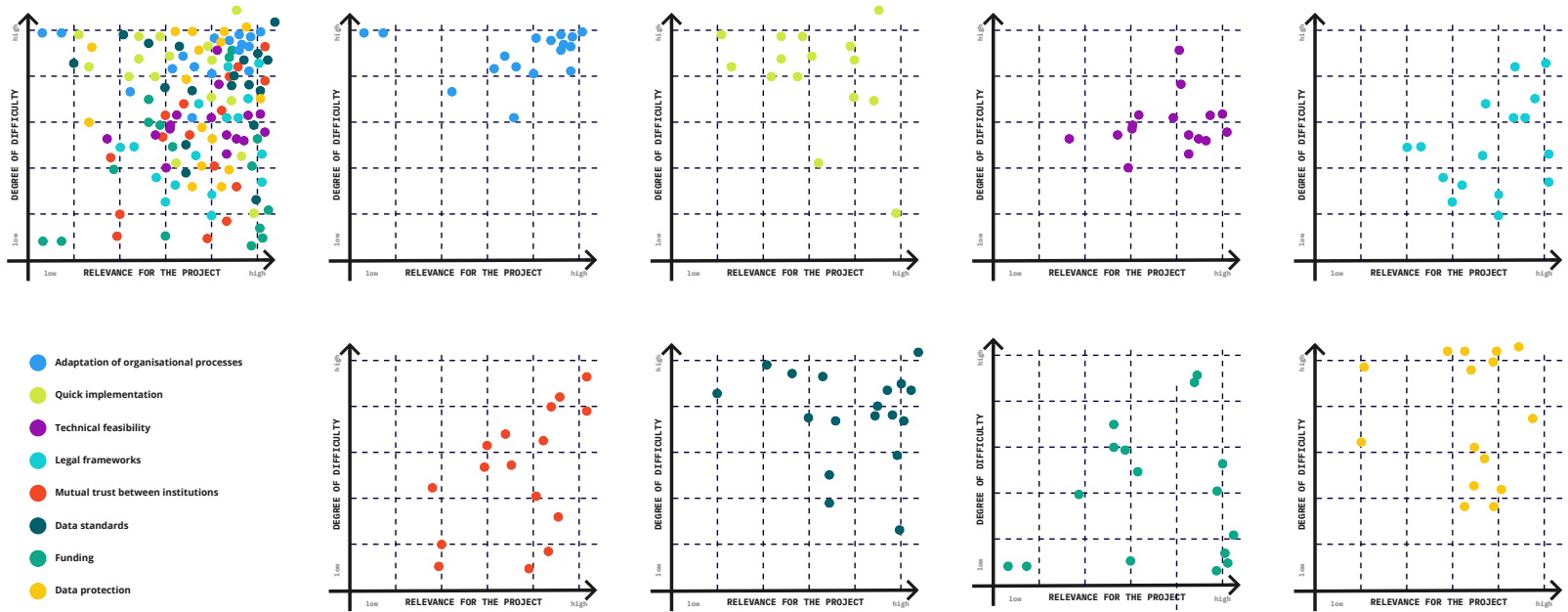
Thanks for your effort

Questions

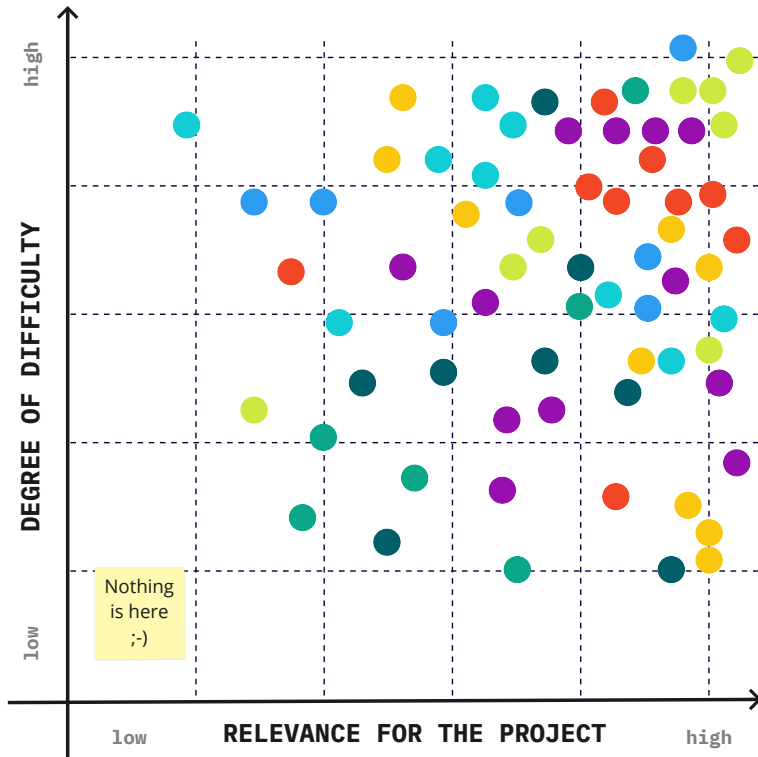
P

Comments

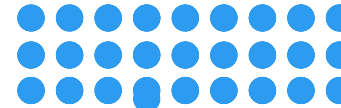
Documentation 1



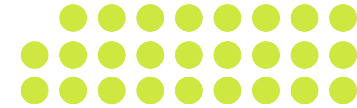
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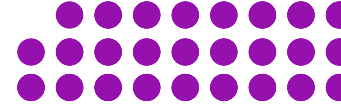
Adaptation of organisational processes



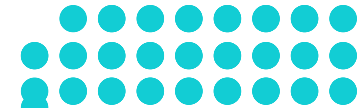
Quick implementation



Technical feasibility



Legal frameworks



Mutual trust between institutions



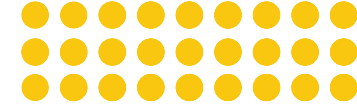
Data standards



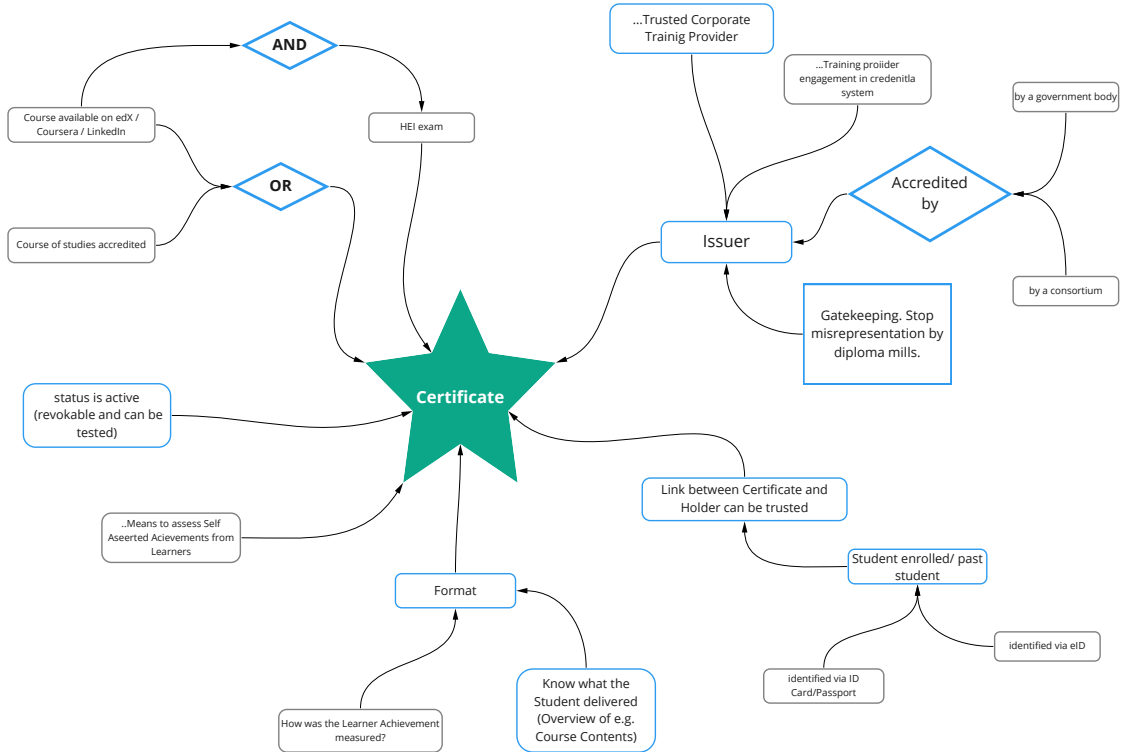
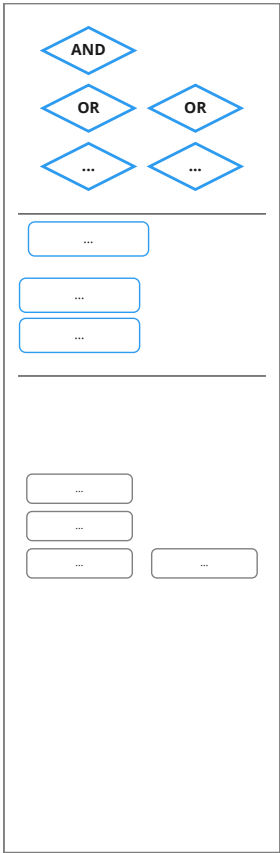
Funding



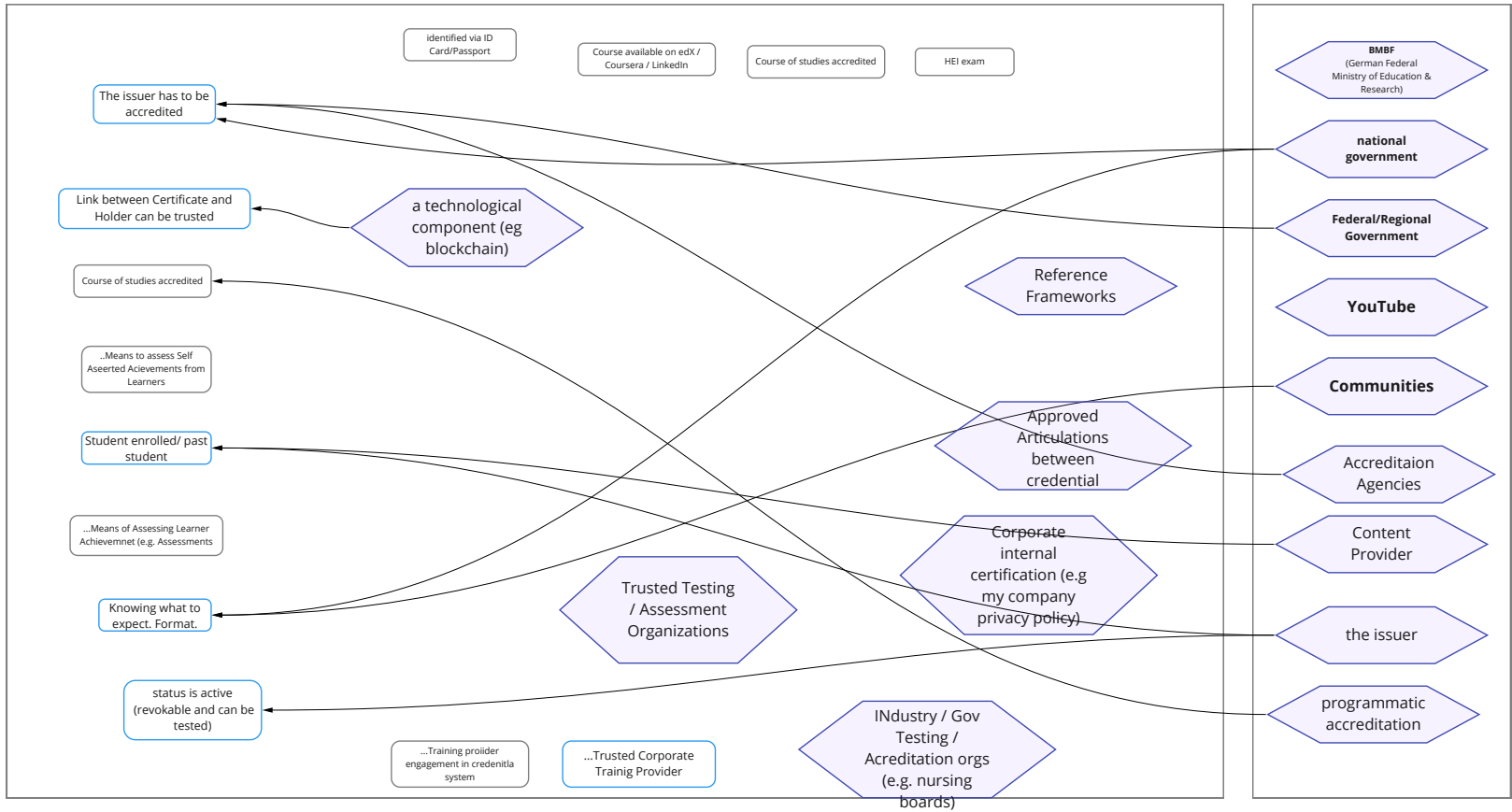
Data protection



How to get trust into a Certificate?



Who / which organizations are supposed to issue trust into which part of the process?



Would you trust a credential verified by... ?

Enter a name/alias to assign yourself a shape and color.

● [Name/Alias]

●●●●●●●●●●

◆ [Name/Alias]

◆◆◆◆◆◆◆◆◆◆

● [Name/Alias]

●●●●●●●●●●

◆ [Name/Alias]

◆◆◆◆◆◆◆◆◆◆

● [Name/Alias]

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◆ [Name/Alias]

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◆ [Name/Alias]

◆◆◆◆◆◆◆◆◆◆

● [Name/Alias]

●●●●●●●●●●

◆ [Name/Alias]

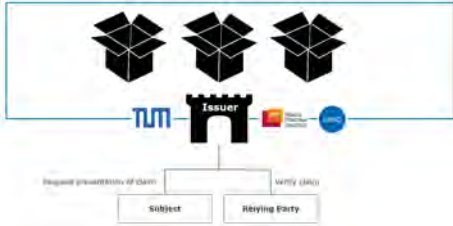
◆◆◆◆◆◆◆◆◆◆

NO TRUST
FULL TRUST

BMBF	←	----- -----	→
CIA	←	----- -----	→
UK Government	←	-----+-----	→
Chinese Government	←	-----+-----	→
industry Organization	←	-----+-----	→
Accreditation Agency	←	-----+-----	→
Federal/Regional Government	←	-----+-----	→
the issuer	←	-----+-----	→
programmatic accreditation	←	-----+-----	→
a technological component (eg blockchain)	←	-----+-----	→

Skipped

Service-Centric vs User-Centric



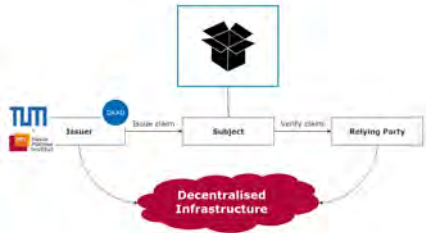
Advantages

Provider sees everything

Disadvantages

Provider sees everything

if institution is closed, data could be lost



Advantages

Disadvantages

Hard to make improvements, because all nodes have to go along.

A system has to be provided to the Learner that allows him to gather Groups of Certificates for his journey in life-long learning.

Bonus: Share your Horror-Stories with Trust / Processes of a Education Platform / System

After finishing my PhD, as a non-european I had to change my visa status in order to work. However the physical issuance and delivery and then forwarding to the immigration office is a lengthy and bureaucratic process

Fees. You want to use a digital service but your state's idea of education as a common good collides with the market place. Do you serve your citizens or your customers?



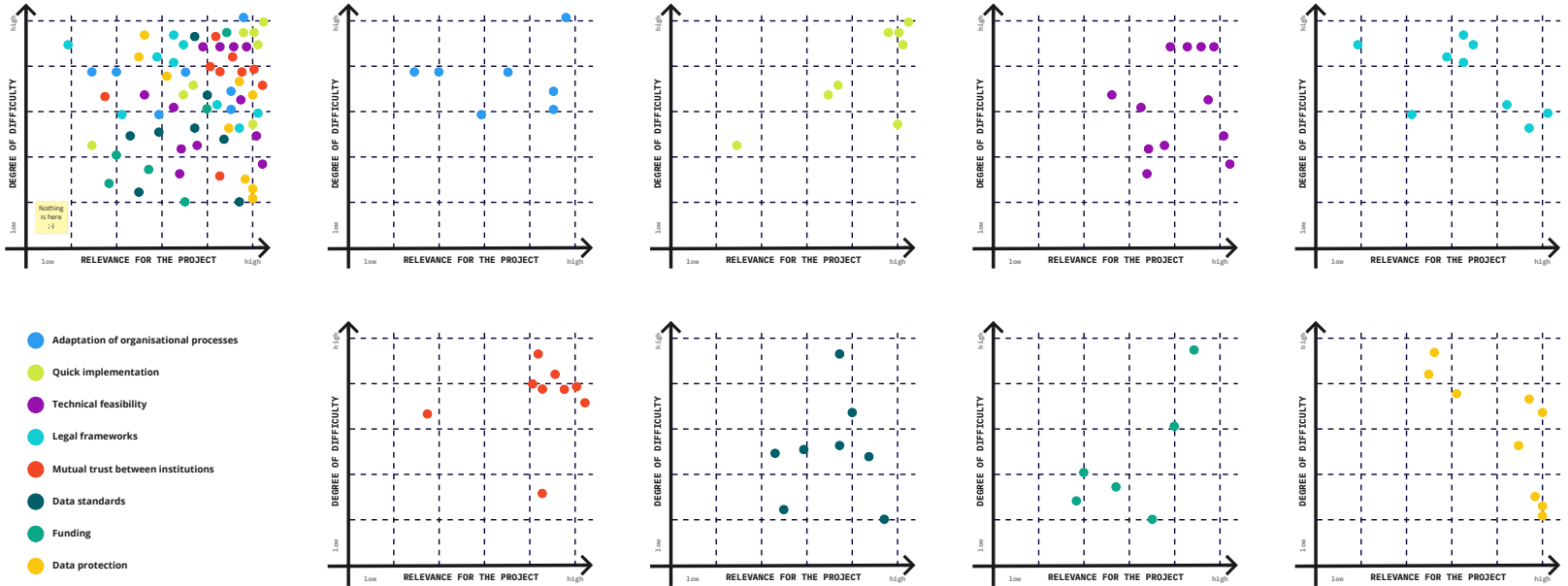
Photo by Tanden_X_Visuals on iStockphoto

Questions

P

Comments

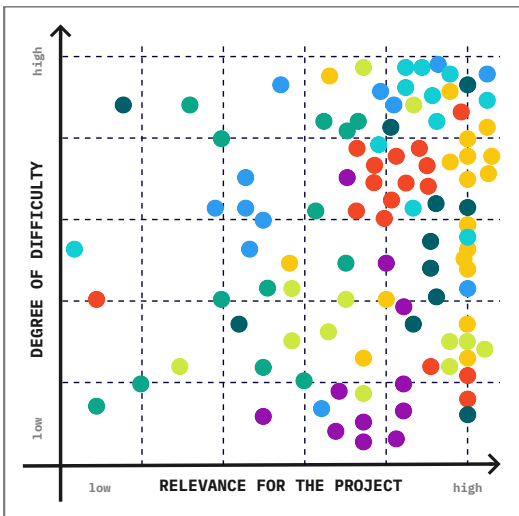
Documentation 1



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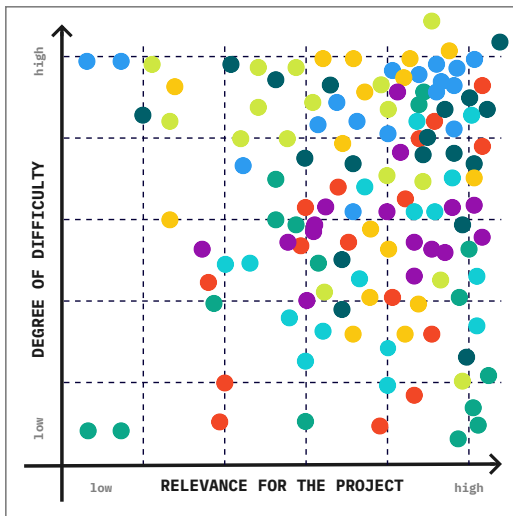
Workshop 1

International Compatibility and Regulatory Frameworks



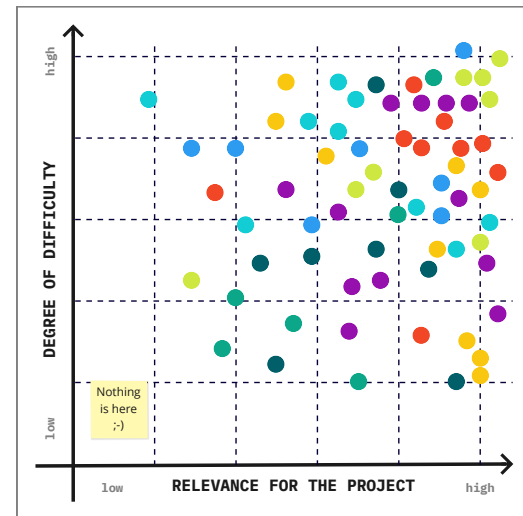
Workshop 2

Interoperable Standards and Processes within HEIs



Workshop 3

Trust and Transparency



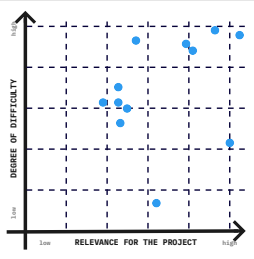
- Adaptation of organisational processes
- Legal frameworks
- Funding
- Quick implementation
- Mutual trust between institutions
- Data protection
- Technical feasibility
- Data standards



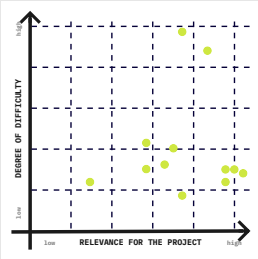
How do you rate the following challenges to agreeing on a common standard for digital academic credentials in an international context?

WS 1

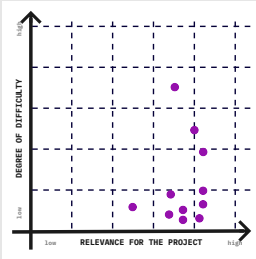
Adaption of organizational processes



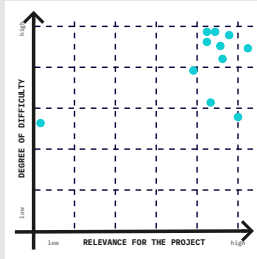
Quick implementation



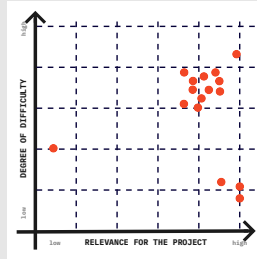
Technical feasibility



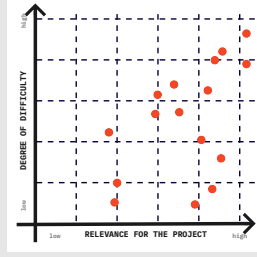
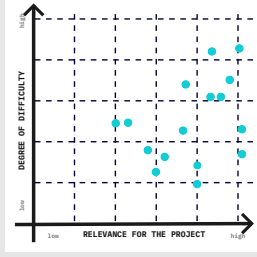
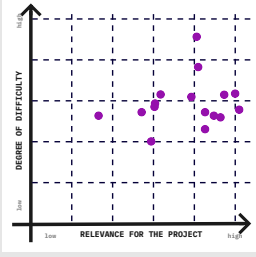
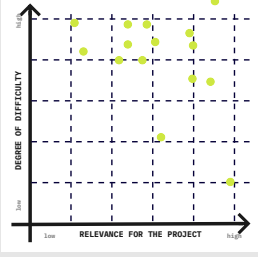
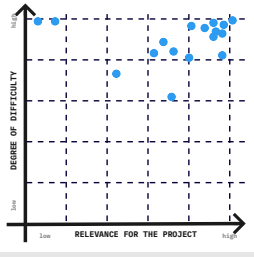
Legal frameworks



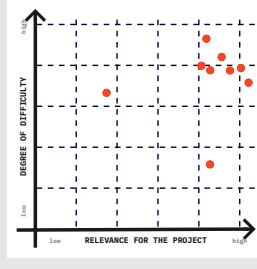
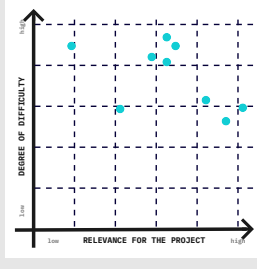
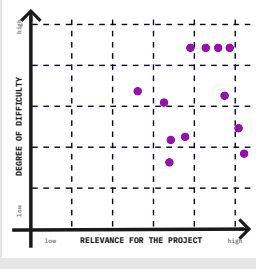
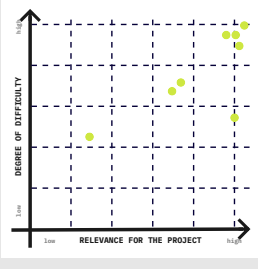
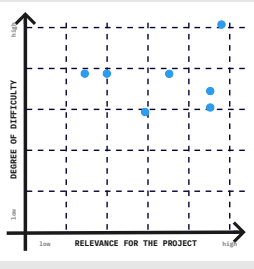
Mutual trust between institutions



WS 2



WS 3



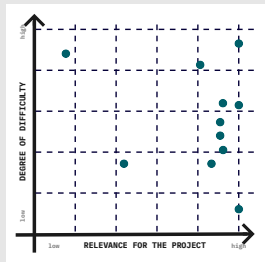
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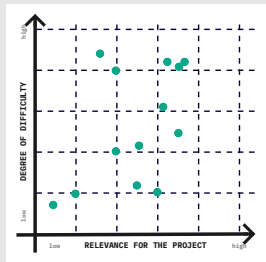
WS 2

WS 3

Data standards



Funding



Data protection

