



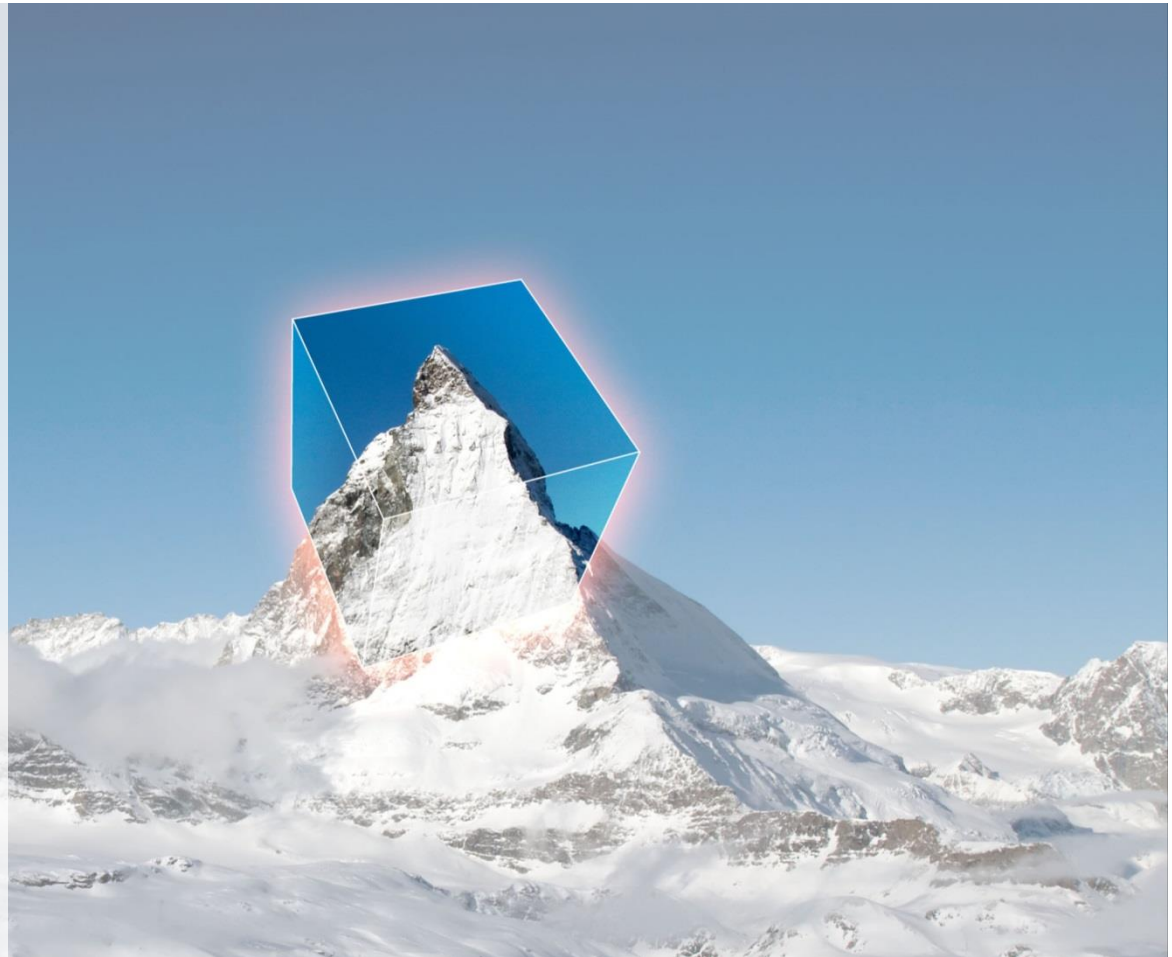
Incentage puts you on top of your financial messaging operations.

T2S Standards Usage

Experiences

2016-09-13

Felix Huber



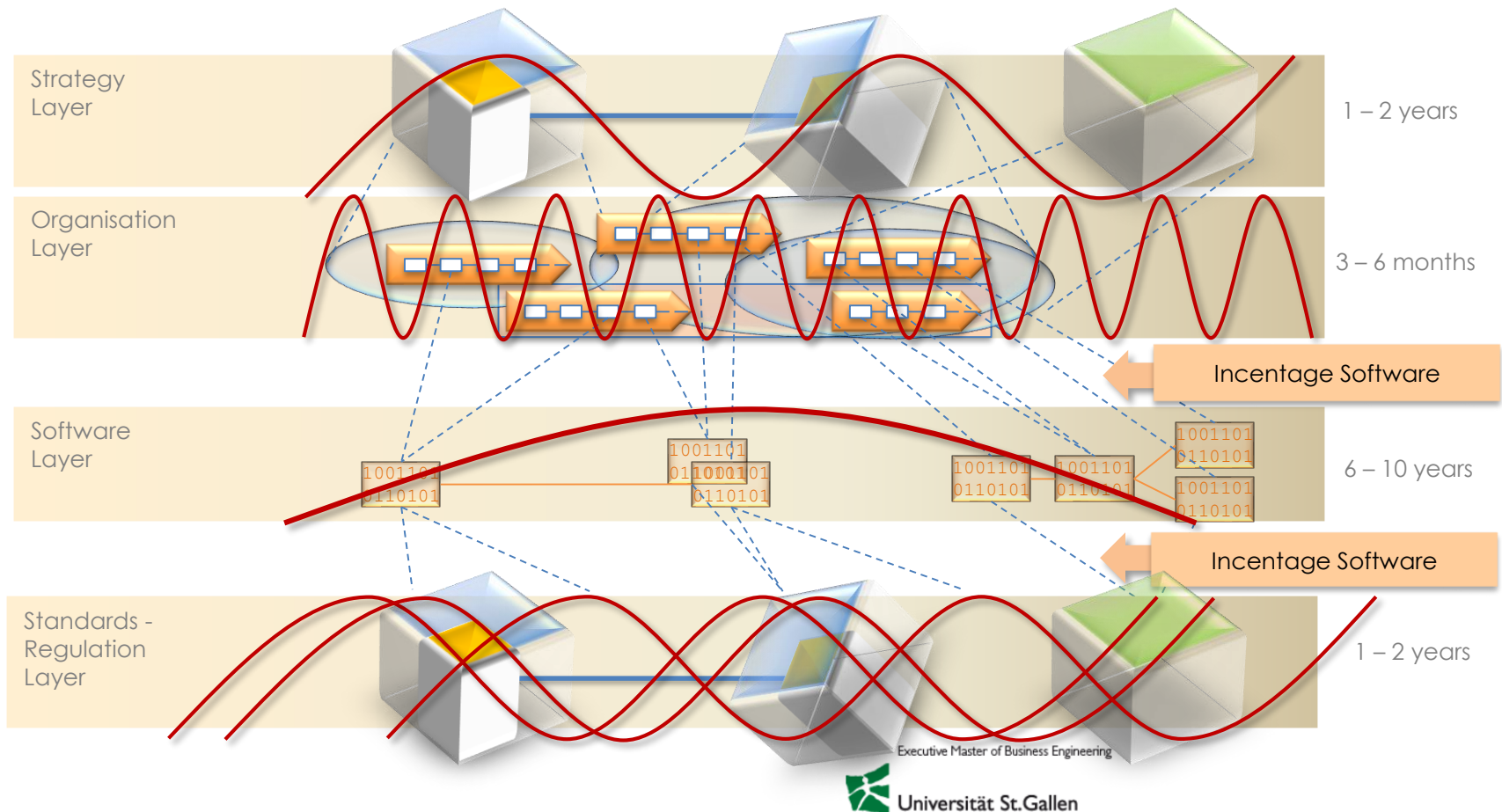
# Agenda

- Incentage
- Life Cycles and Agile Value Chain Model
- ISO 20022 T2S Experience
- Recommendations
- Q&A

# Incentage Users

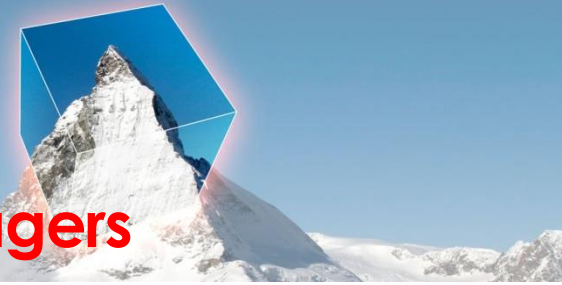


# Life Cycle Model





# ISO 20022 based Messages are like Teenagers



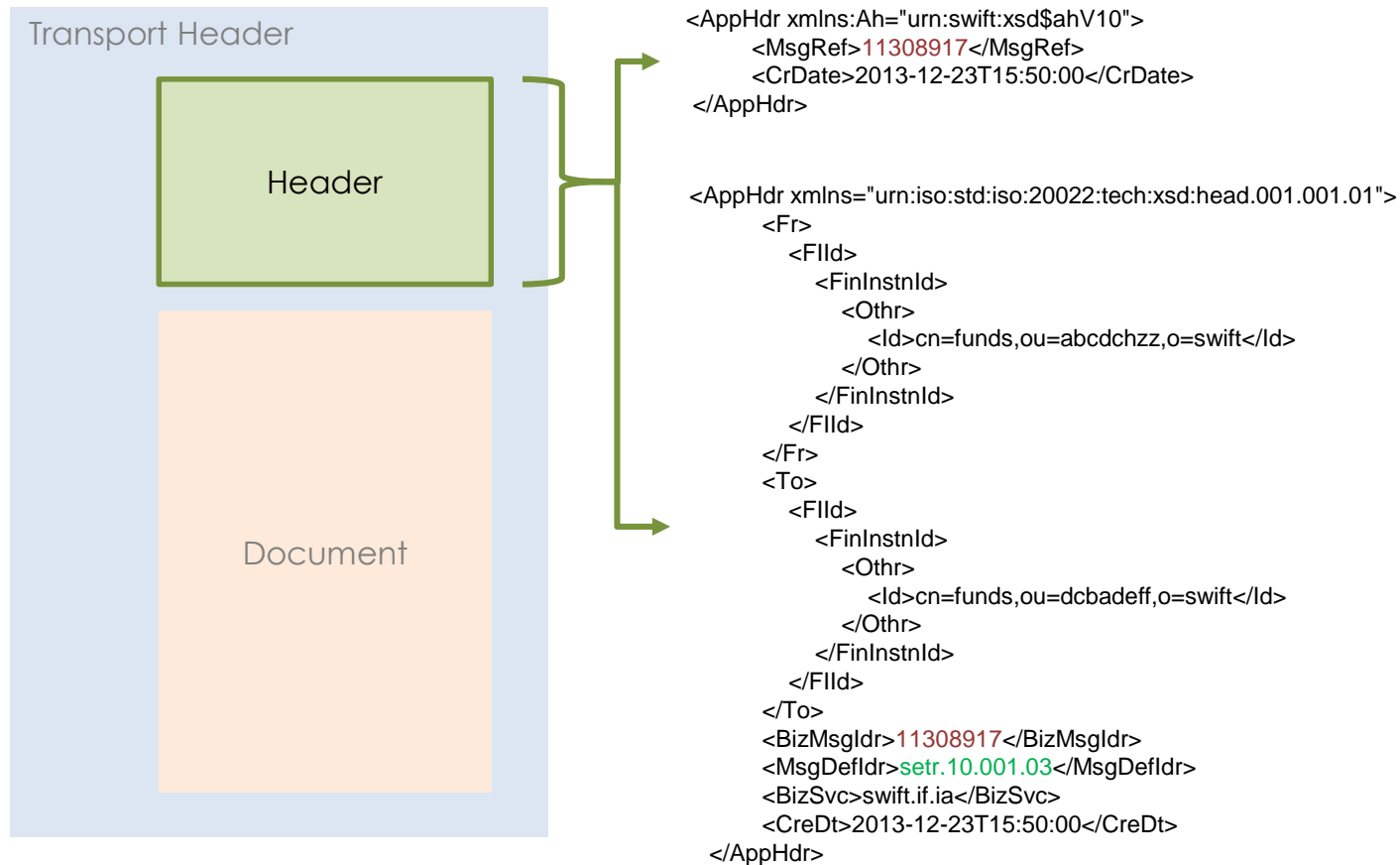
# Names



<b>Naming</b>	XML	ISO20022	Incentage customers such as VPS Norway are using JSON for their internal messages. This illustrates the growing probability that we will see JSON in the ISO 20022 space too outside the card business.
		MX	
<b>MessageType</b>	sese.024	sese.024.001.03	urn:iso:std:iso:20022:tech:xsd:sese.024.001.03
		sese.024.002.06	urn:swift:xsd:sese.024.002.06
<b>Service</b>	swift.if.ia	vp.services	t2s, t2s!px, t2s!pe

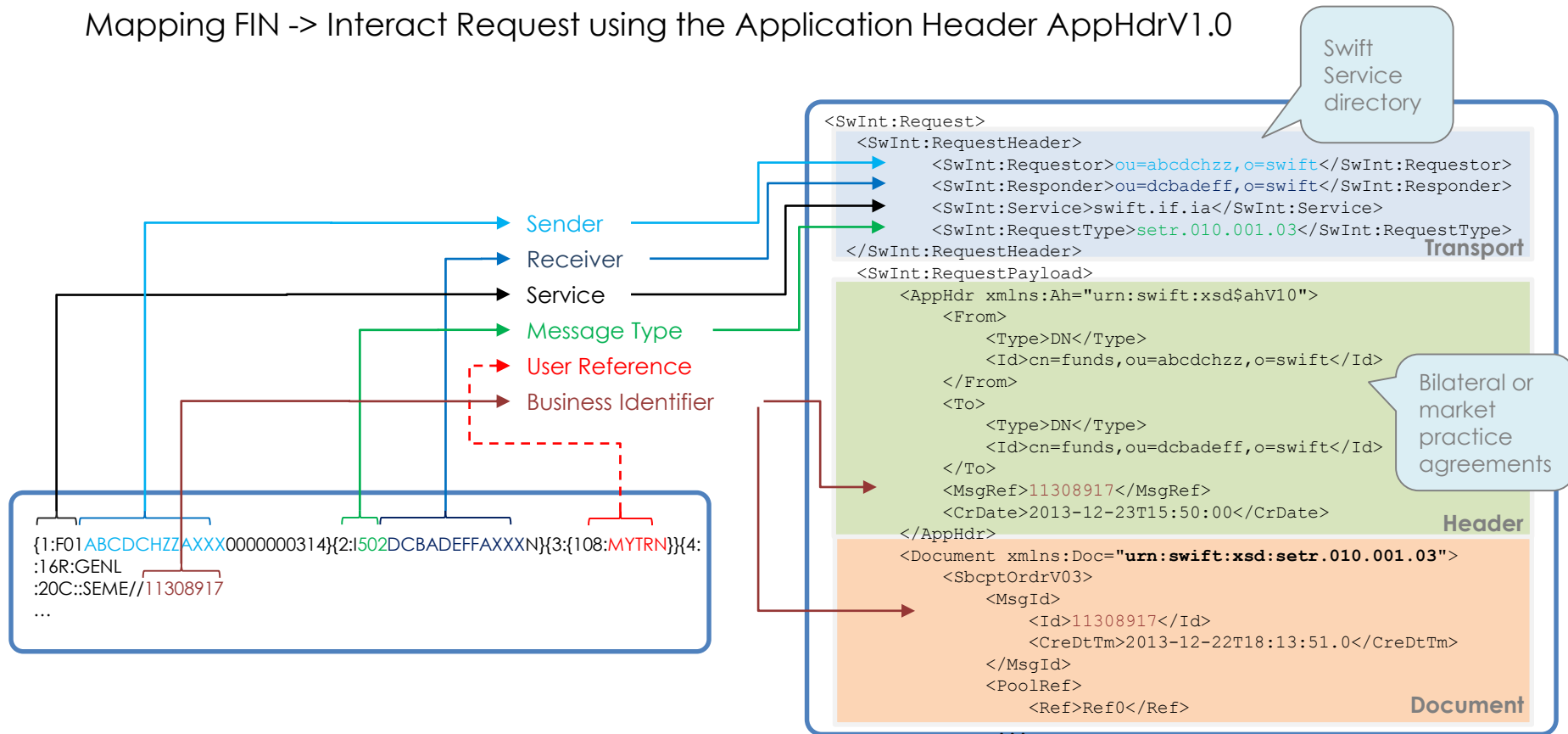
Incentage Address Book Solution

# ISO 20022 Header Choice



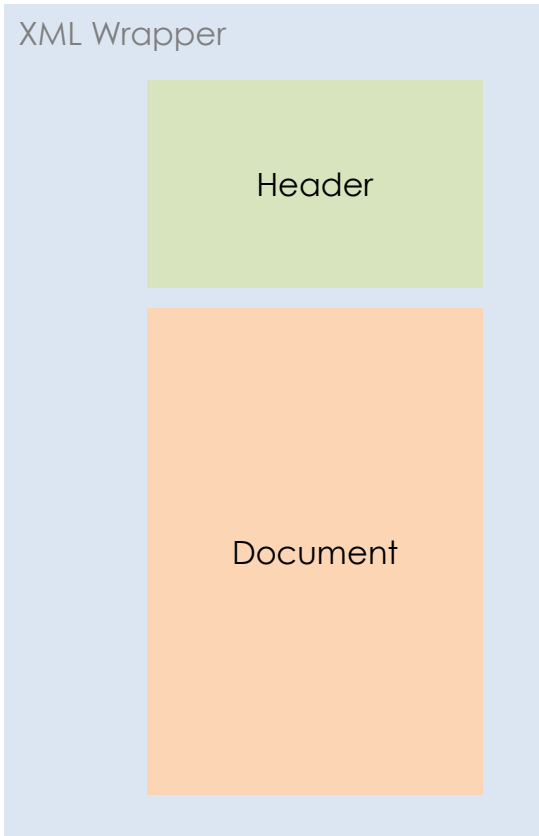
# Mapping

Mapping FIN -> Interact Request using the Application Header AppHdrV1.0





# T2S Elements



head.001.001.01 (BAH)

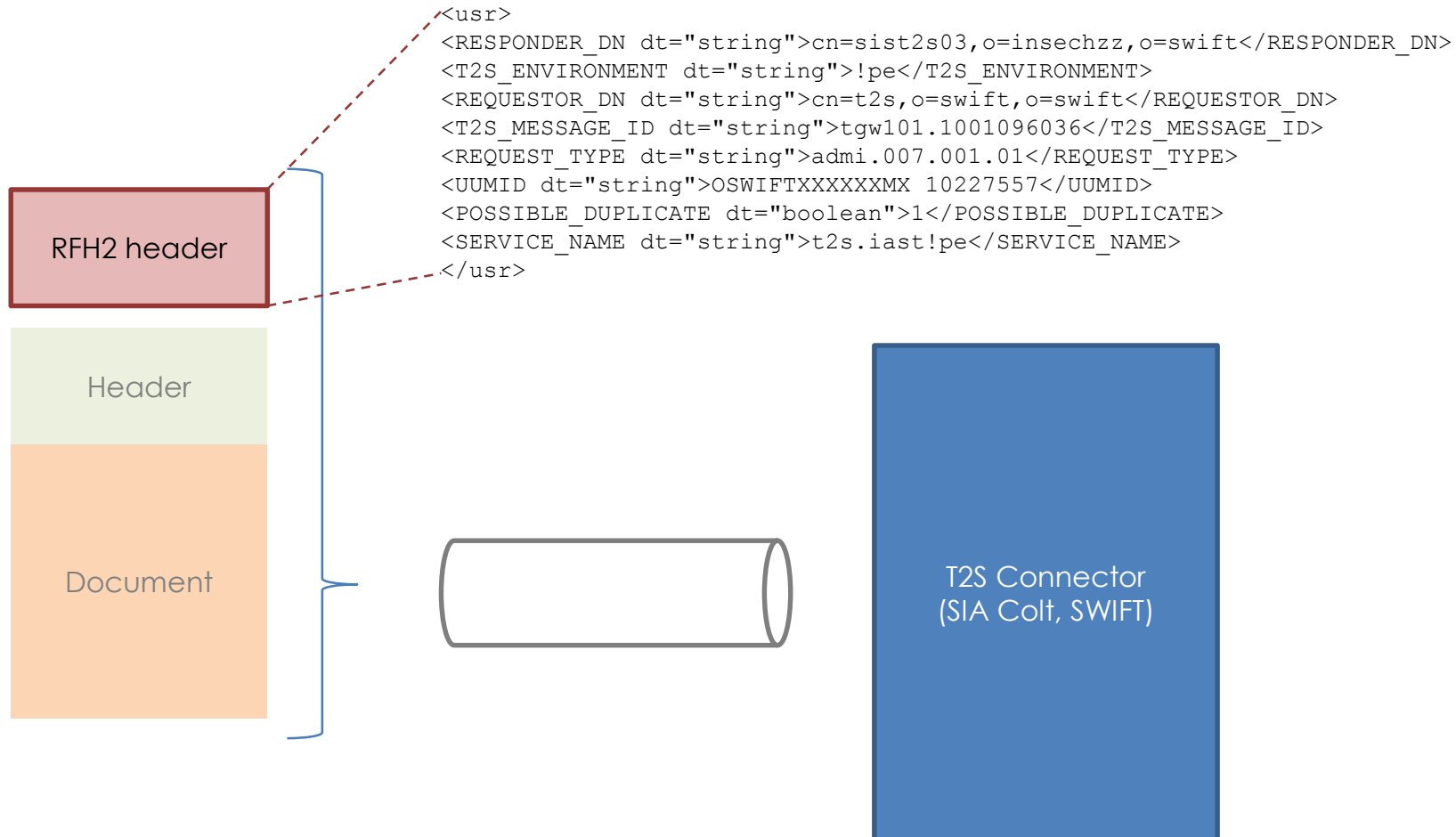
Illustrates the importance of the SMPG work and availability of meta data to the industry and vendors.

> 100 message types which can be downloaded from Swift MyStandards  
These span the messages covering acmt, admi, camt, reda, semt and setr.

Available in multiple versions. Currently Version 2 is active. New Versions are already available. Versions are NOT mentioned within the message type name

Multiple message types contain the word DRAFT in the message type name. These are live and used in production and it is unclear if and when naming will change. (urn:eurosystem:xsd:**DRAFT4reda.027.001.01**)

# T2S Connections



# Very Large Messages

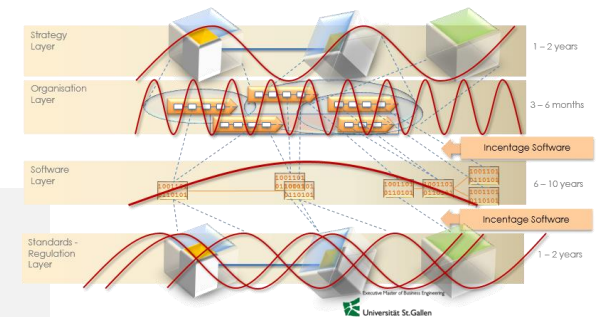
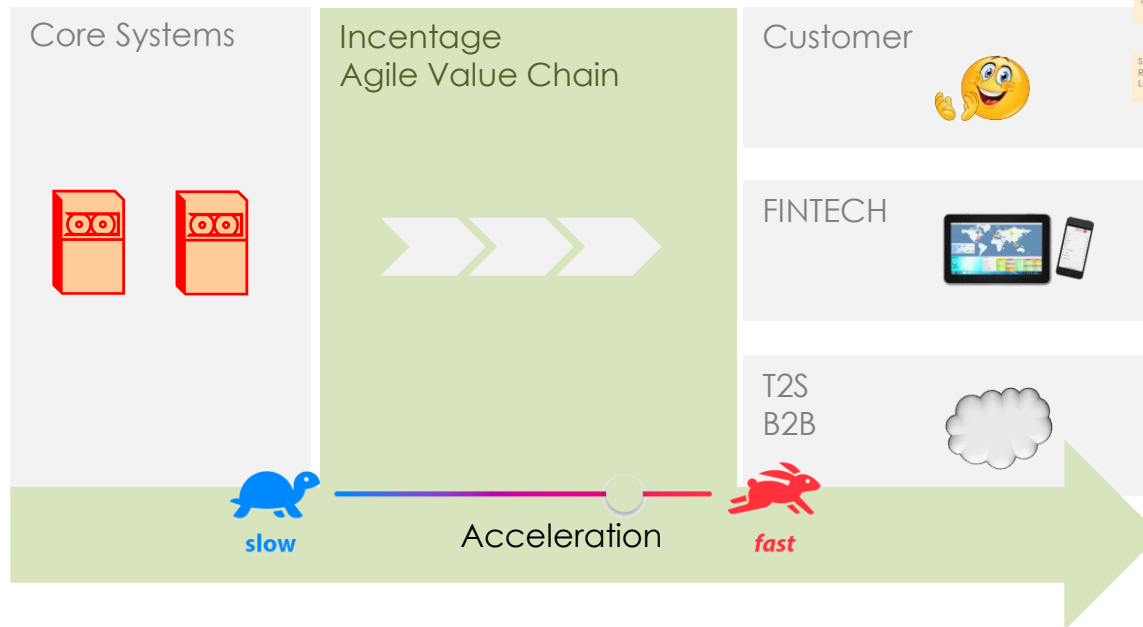


## T2S Processing Pitfalls

- Fileact and admi message monitoring. To achieve message flow control T2S bulk responses must be correlated to the single messages.
- The T2S protocol can cause messages to overtake which can be problematic. Re-sequencing is required.
- Swift is not validating the messages.
- Messages defined in T2S sometimes contain additional messages embedded inside the document which can make handling and validation tricky.
- The T2S connector sends data over MQ using MQ segmentation for large messages/bulks.



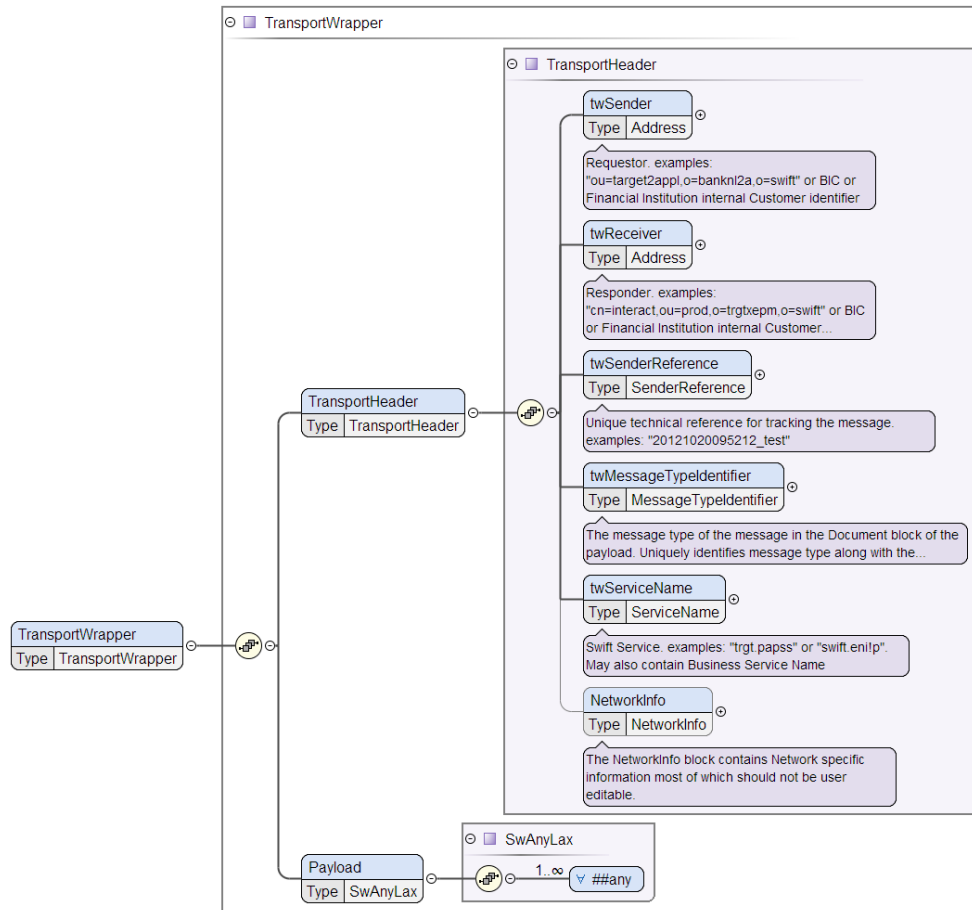
# Be Fast with Standards Decoupling and Integrating



# Incentage's Conclusions

- Shield internal applications from external message formats via the Incentage Service Bus.
- Consider sequencing. Ideally solve this in the target application
- Split processing into multiple channels to handle large messages.
- Consider implementing message monitoring using the Incentage Process Cockpit.
- Build up ISO20022 expertise.
- Besides XML prepare for JSON.
- Define an internal messaging wrapper for ISO20022.

# T2S Transport Wrapper



Get it at  
[www.incentage.com](http://www.incentage.com)  
[info@incentage.com](mailto:info@incentage.com)

# The Importance of Getting the Standards Right

