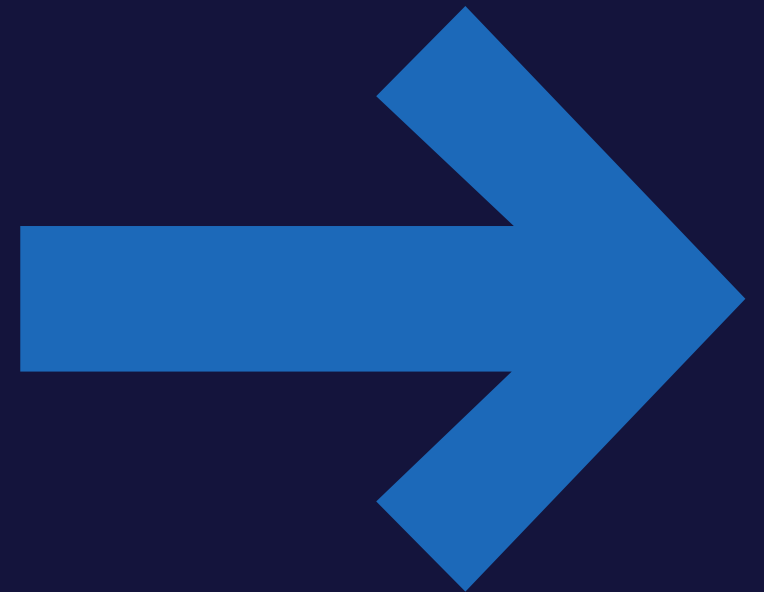


# External Dialog

Presentation of ETL solution for Data Platform



# Legal Frames for the dialog meeting

- This marked dialogue is conducted in respect of the EU procurement rules, and specially the principles of equal treatment and transparency
- The following will be published online after the meetings
  - The materials handed to you during the dialog meetings
  - A short report in which the proceeding of the dialog will be summarized
- The summarized report on the dialog meeting will be send to you to comment
- You can email questions in before the dialog meeting
  - To [Lauge.bruun@ufst.dk](mailto:Lauge.bruun@ufst.dk)
- The general rule is that we will answer your questions at the dialog meeting



# External dialog process

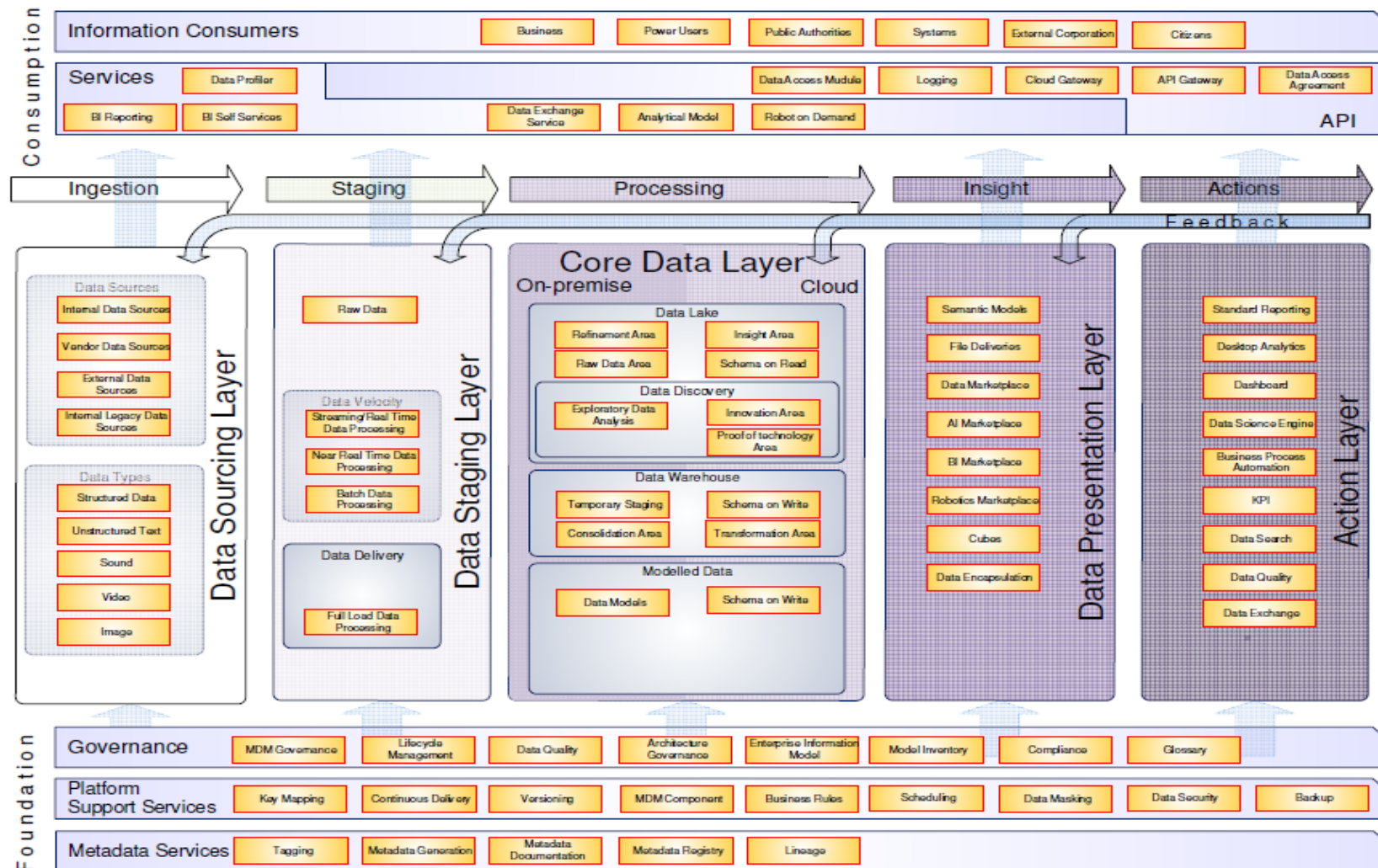
Activity	feb 2020			
	06	07	08	09
Invitation to Market Dialogue published		▲ 07/02/2020		
Deadline for responding the invitation			▲ 18/02/2020	
Invitations send out to selected vendors for dialogue meetings			▲ 20/02/2020	
Dialogue meetings in Copenhagen			▲ 24/02/2020	▲ 25/02/2020



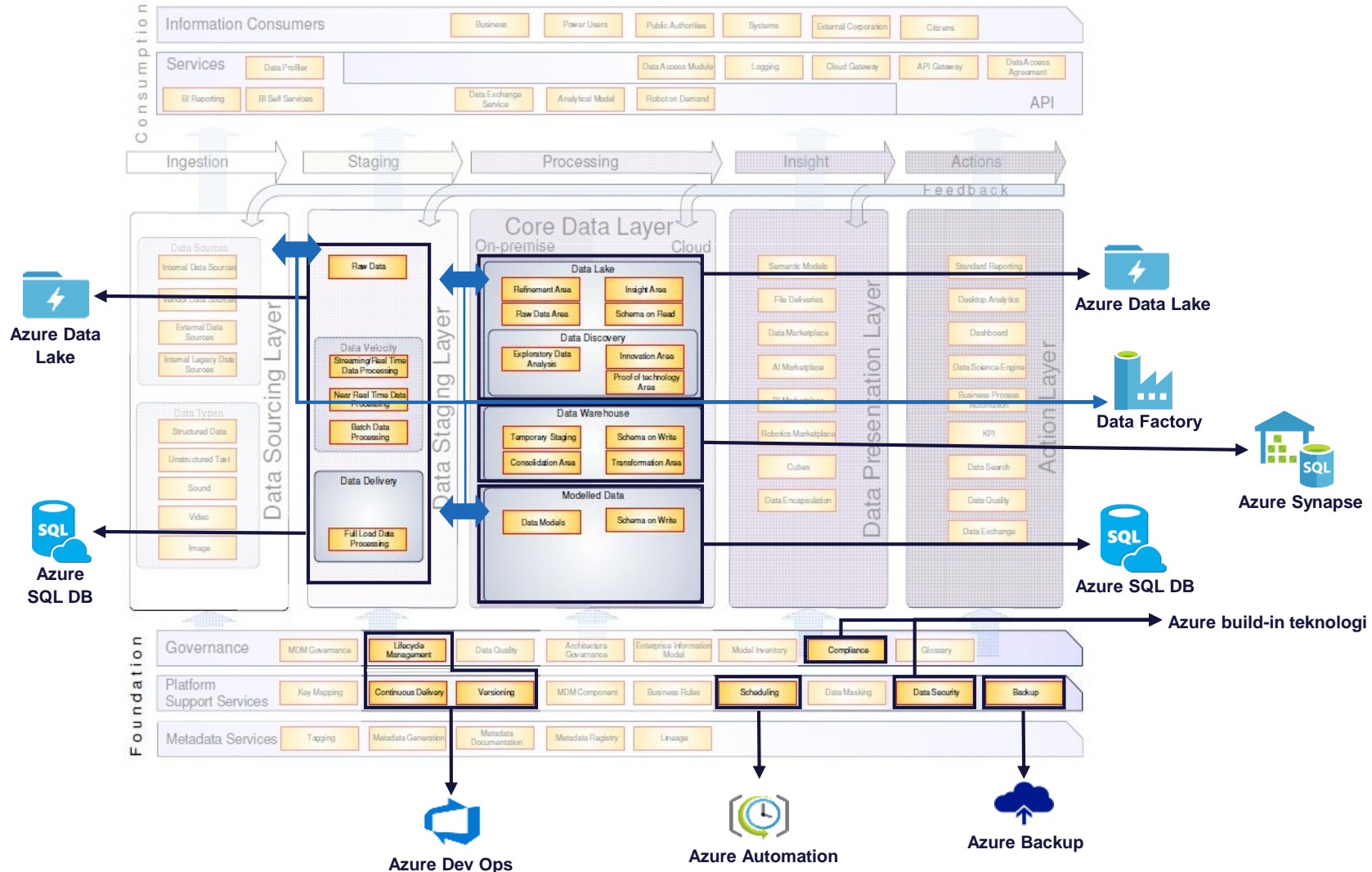
# Principles of the target architecture

Principles	Description
Agility	There is focus on the development of MVP (minimum viable product) and ongoing feedback to earlier steps in the data flow. Failure is allowed and the solutions should be tested to ensure proof of concept as fast as possible in the development phase (fail fast).
Consistency	Consistent designs will ensure that operation and development run smoothly and is simple to maintain. Resources can more easily be moved between projects when the solutions are consistent.
Data encapsulation	Data in the data infrastructure is reached through an interface that limits access through access control. The interfaces allows for changes in data infrastructure without affecting external systems.
Feedback	The architecture is adjusted continuously and improved based on the feedback from the different data consumers.
Modularity	Solutions in the data infrastructure are developed as modules with well defined interfaces making it possible for sub components to be easily replaced.
Reusability	Solutions are developed with reusability in mind. Level 3 in the architecture consists of templates for solutions, making time-to-market shorter and ensures standardization.
Scalability	Scalability should be a part of the solution from the beginning so that operations can avoid bottlenecks, downtime or the acquisition of unforeseen licenses.
Security	Security should be a part of the general architecture and in specific solutions both in regards to information security and in privacy.
Technology independence	The architecture at level 0 and 1 is independent of the specific technology that is implemented. This means that regardless of the chosen technology the different processes and levels in the architecture are identical.

# Data Platform Conceptual Model



# Set technology stack for the Data Platform



# Questions

For vendor preparation for dialog meeting

**Propose a technical solution for ETL processing that fulfils the needs described in the attached ETL document.**

- What are your experiences with best practice for ETL processes on a Data Platform including but not limited to a cloud-based staging and core layer?
- How will your solution adhere to the architecture principles of slide 3?
- Can you provide examples of previous experiences implementing a similar solution to other customer? Including but not limited to example of integration between the proposed solution and the already set Azure technologies on the Data Platform.
- How can we secure the future support and availability of technical competencies for your solution?
- What is the product roadmap for the solution and in what degree do you invest in new functionalities and further development of the solution?

