

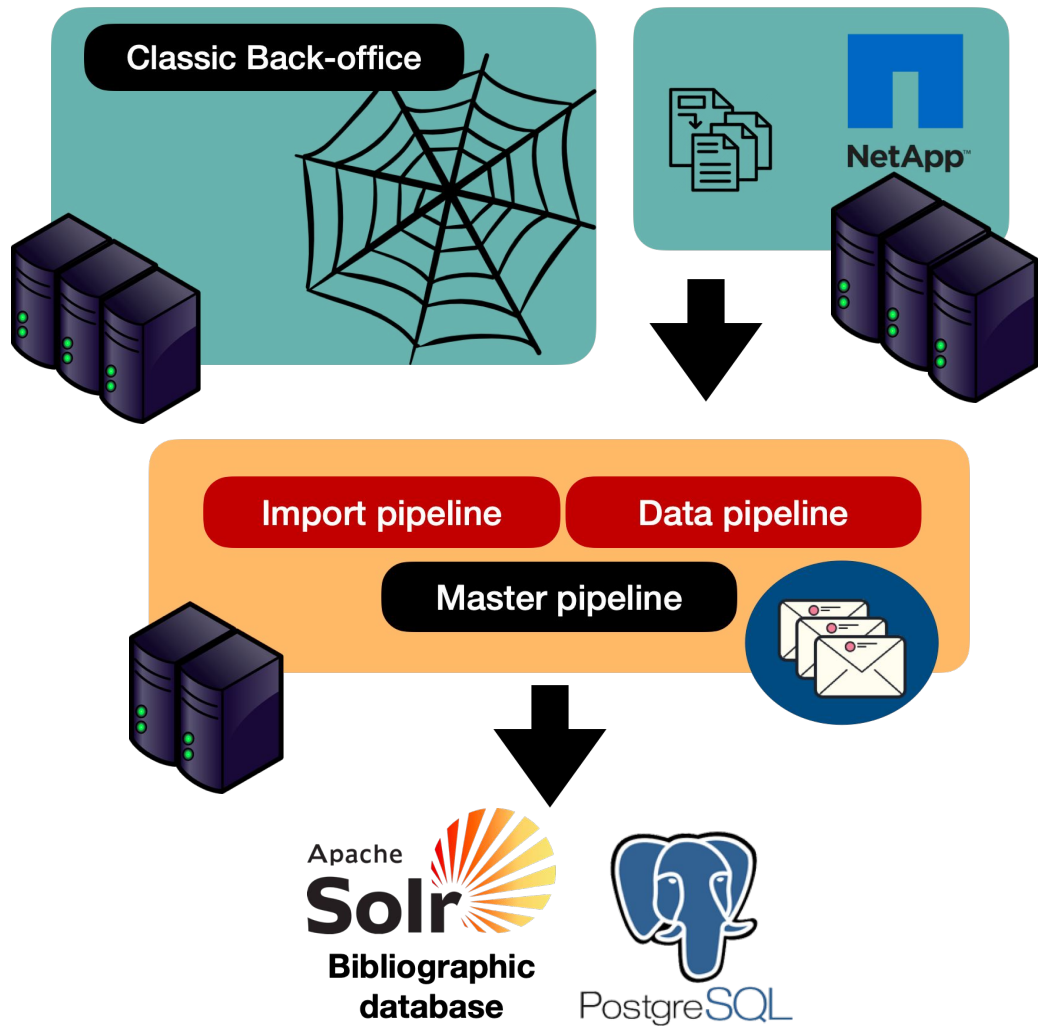
System Development Architecture

Sergi Blanco-Cuaresma and the ADS Team

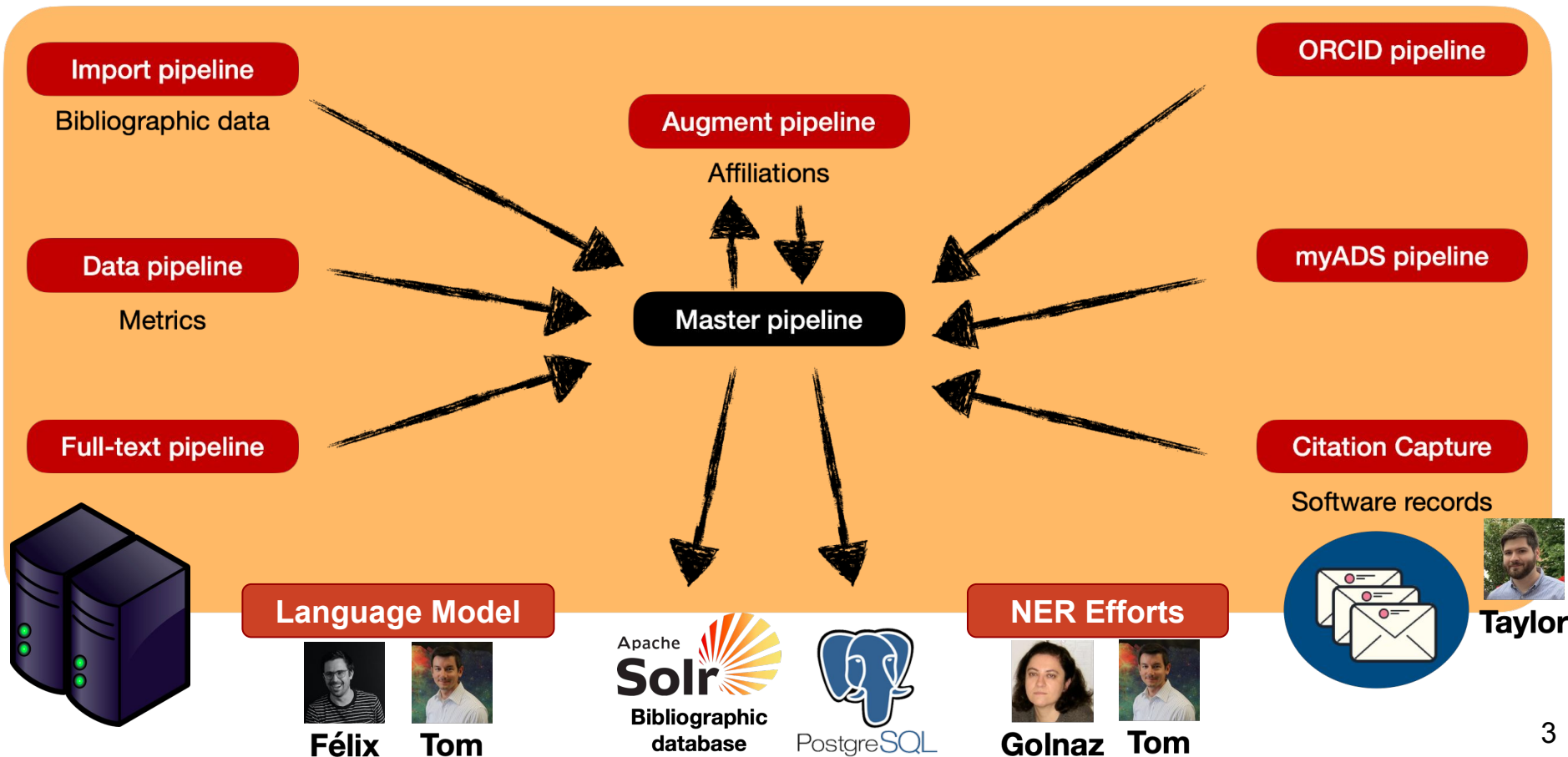
ADS Users Group Meeting, 9-10 Nov. 2022



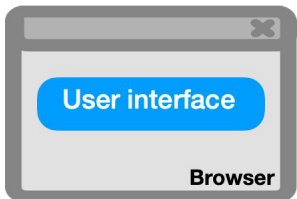
Back-Office Overview



Python-based pipelines overview



Microservices Overview

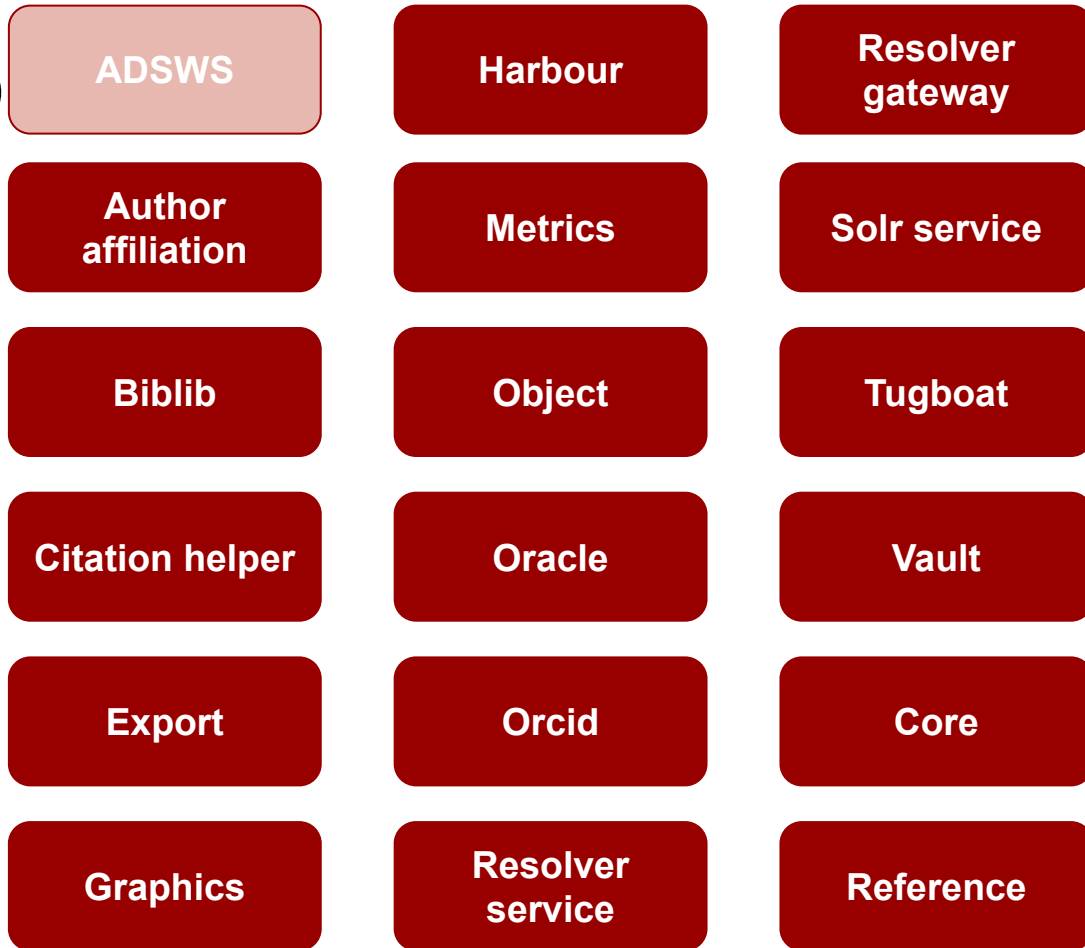


Tim

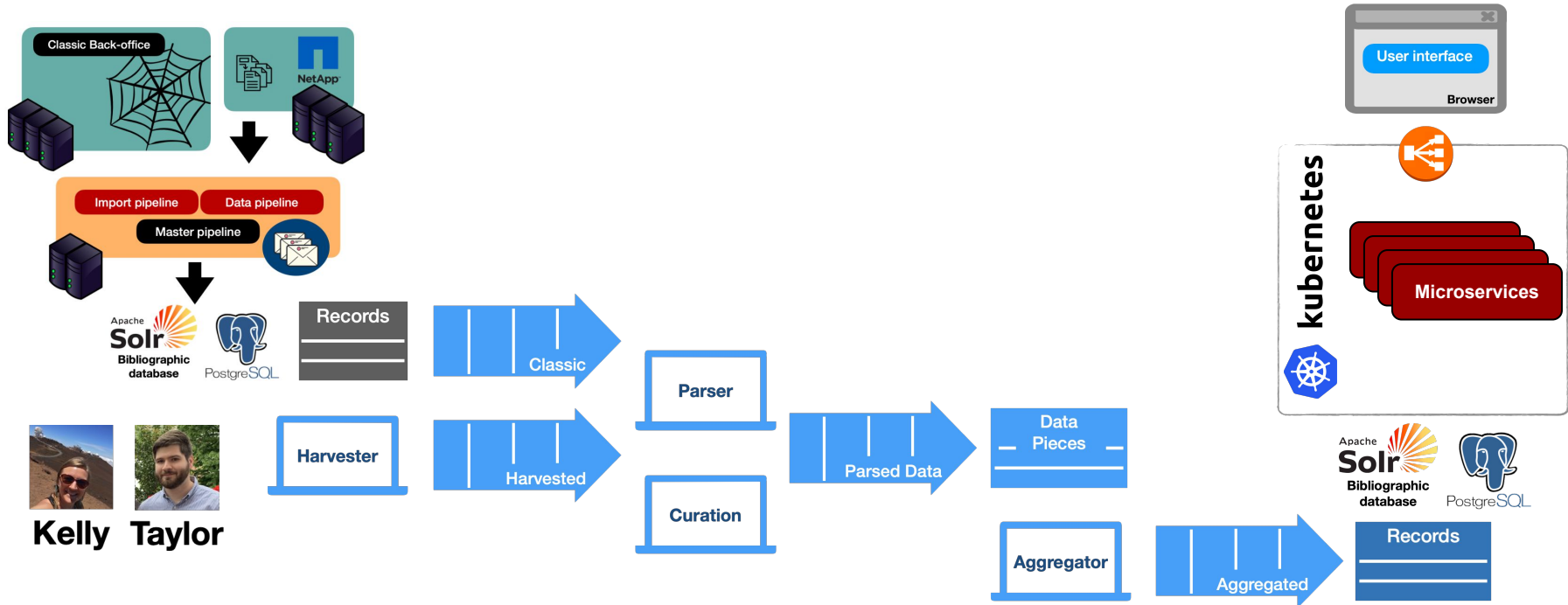


Jennifer

kubernetes



Future Event-driven Architecture



Kelly Taylor

Summary

- Work completed
 - Designed an incremental plan to migrate to a new architecture
 - Progress in multiple fronts to replace old components such as:
 - Refactored UI / Scan Explorer
 - Document matching / Reference extraction / ...
- Work ahead
 - Experiment with new technologies for the new architecture
 - gRPC
 - Kafka
 - Continue replacing classic pieces and plug them into the new architecture
 - Replace main obsolete API component (adsws)