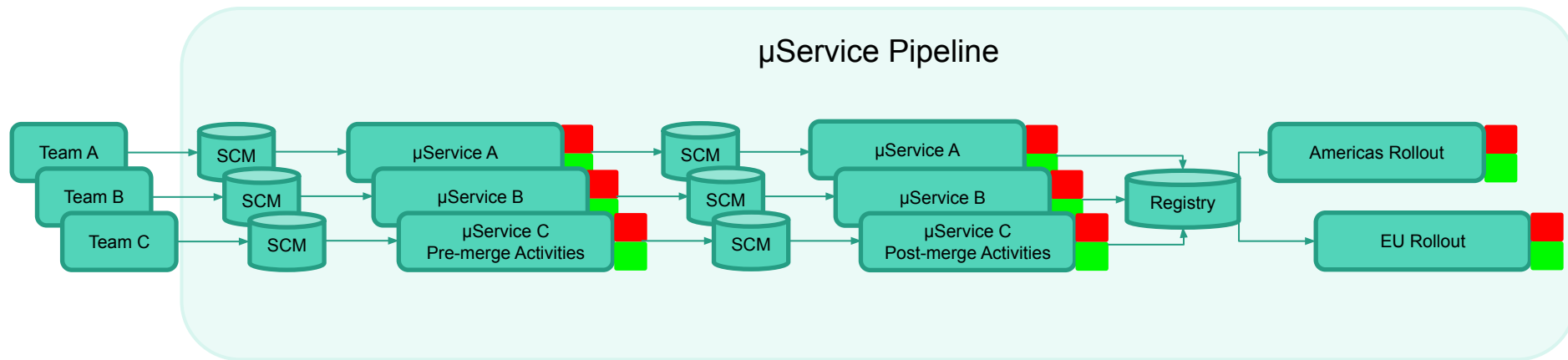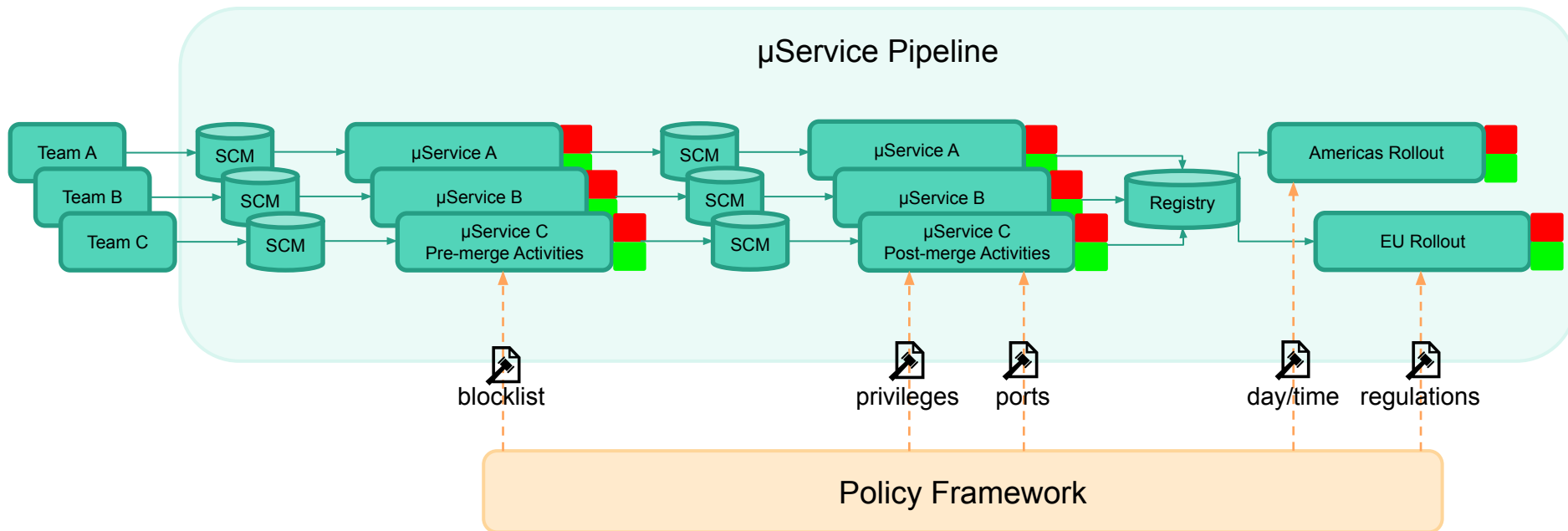# Policy Driven CI/CD

CDF SIG Interoperability
2021-02-04
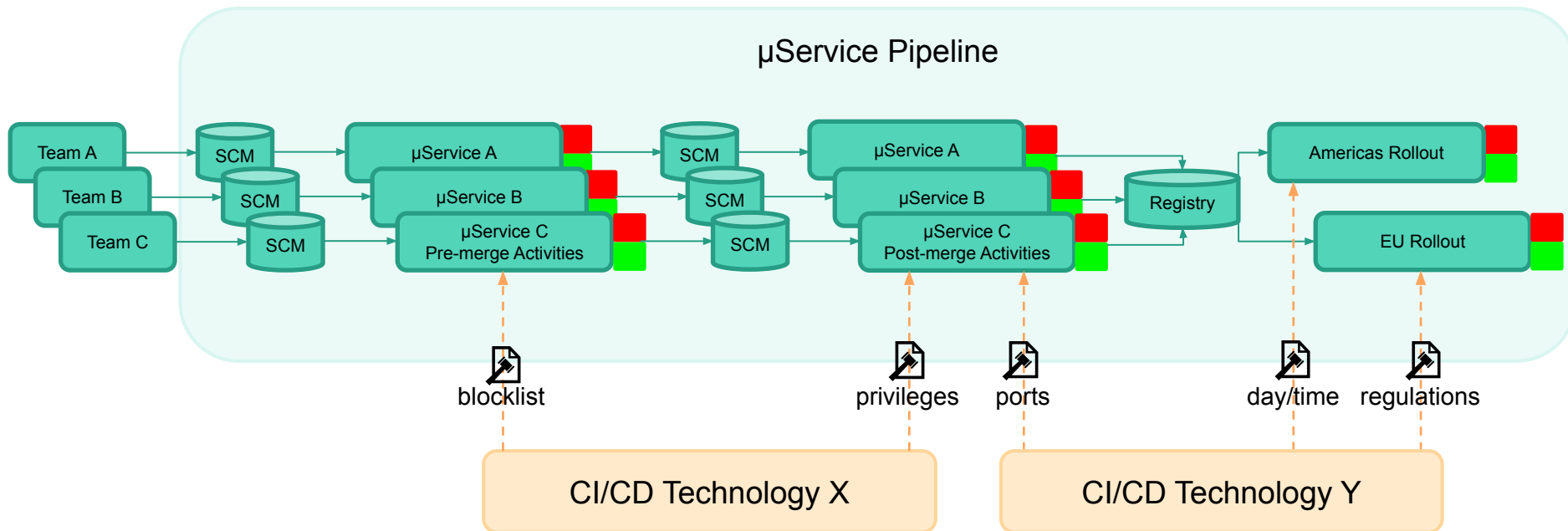
Fatih Degirmenci
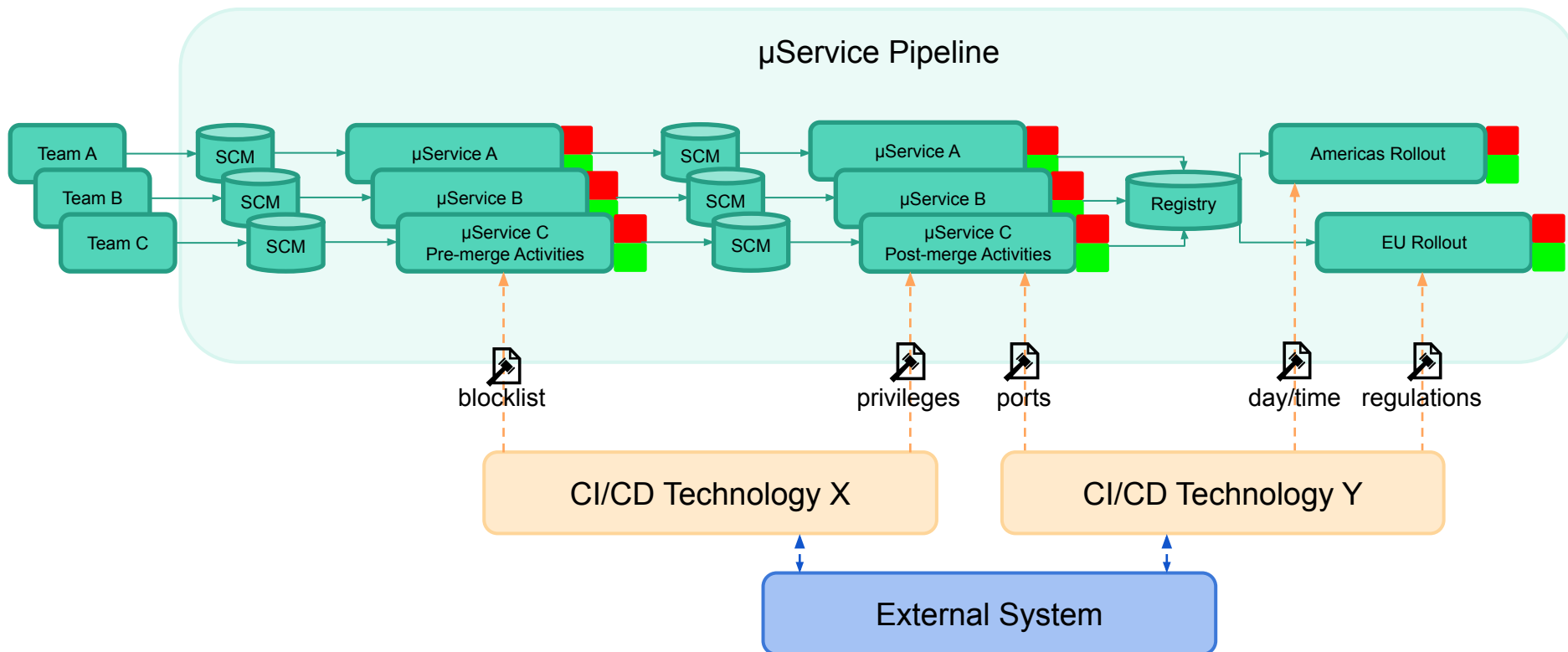Ericsson Software Technology

Sample Pipeline

Policy Driven CI/CD

Pipelines with Multiple CI/CD Technologies and Policy

Interactions with External Systems

General Questions/Challenges with Policy

- Common/shared understanding
  - policies vs rules vs conditions (Tekton)

- Policy Types
  - focus is mostly on security/vulnerability aspects. what about others?

- Not many communities talking about policy in CI/CD context
  - or I didn't search the right thing...

- Development and lifecycle management of policies
  - differences in DSL, Policy as Code

Interoperability Questions/Challenges with Policy

- Interactions between policy framework, CI/CD technologies, and pipelines
  - CI/CD projects/technologies seem to use different policy tools/technologies/frameworks

- Implications of differences between CI/CD technologies in policy context
  - use of Open Policy Agent or some other tool/technology/framework

- Interactions between external systems and policy frameworks used in CI/CD
  - different/external policy frameworks employed by organizations (e.g., ONAP Policy Framework)
  - interactions with external orchestration systems and platforms

Additional Notes and Proposal

- Policy is critical for all types of businesses
  - regardless if the business operating in highly regulated industry or not

- Governance & Compliance is one of the topics highlighted by CDF End User Council
  - it would be beneficial to start exploring the topic from End User Council perspective

- Start a new workstream with interested individuals to work on the topic
  - collect current approaches, see what is there/missing

Links

- Open Policy Agent: [Policy Driven CI with OPA](#)
- ONAP: [Policy Framework](#)
- CDF End User Council: [2021 Plan](#)
- Armory: [Policy Driven Deployments with Armory & Spinnaker](#)
- CloudBees: [Using Pipeline Policies](#)
- Google: [Validating apps against company policies in a CI pipeline](#)
- F5: [Increase CI/CD velocity through automation integration](#)
- Harness: [Creating Policy Enforced Pipelines with Open Policy Agent](#)
- Aqua Security: [Aqua Cloud Native Security Platform](#)

Thanks!