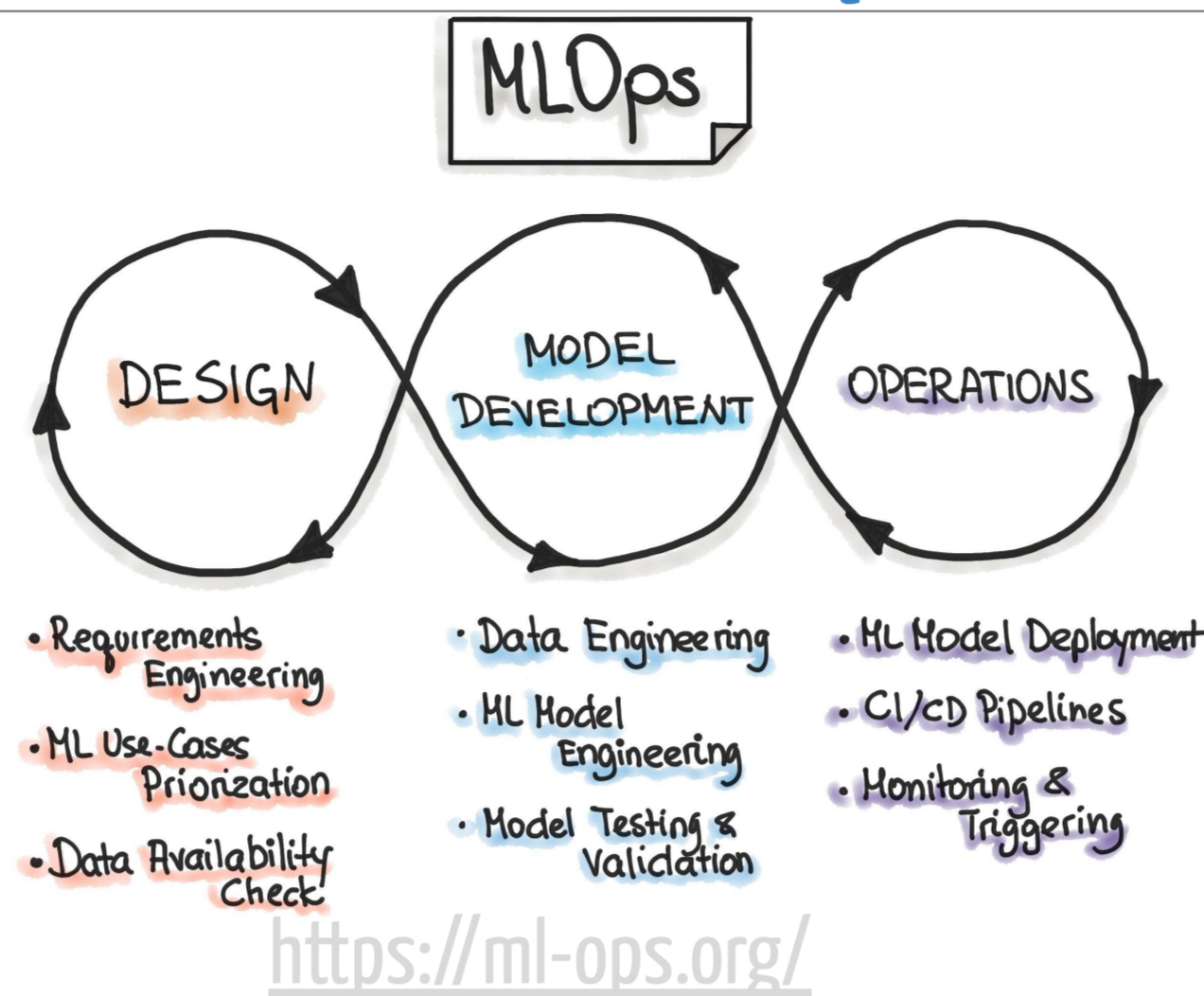


Incorporating FATES Principles in Continuous Development of ML-Integrated Systems: A MLOps Perspective

What are the FATES properties?

Fairness
Accountability
Transparency
Ethics
Security/Safety/Sustainability/...

What is MLOps?



Context



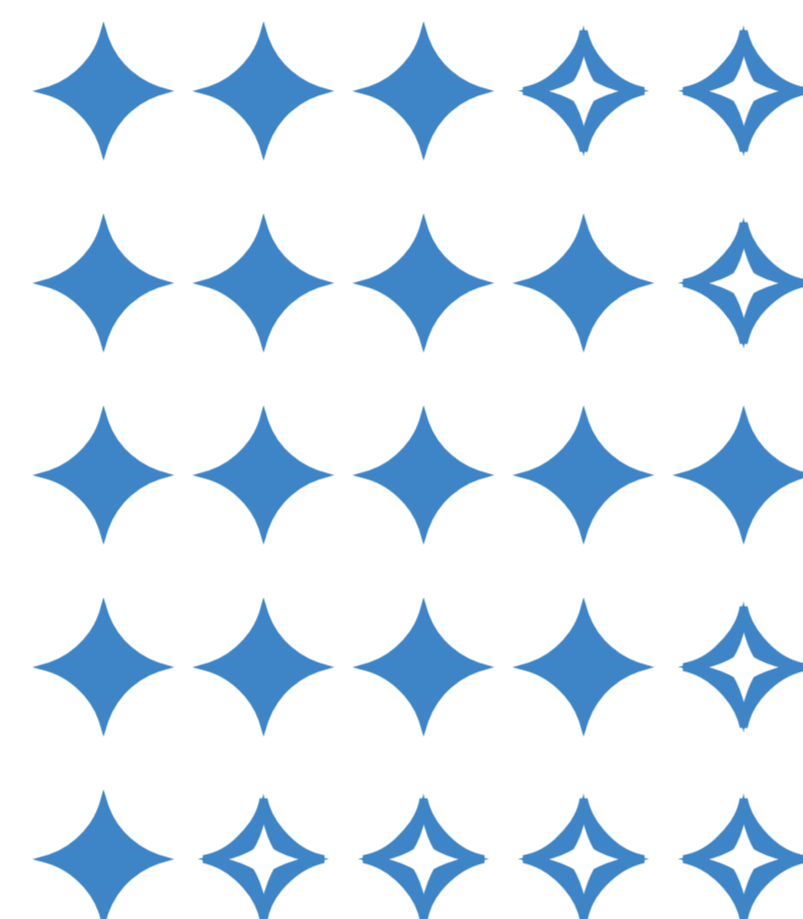
2024 – 2028
900K€

4 partners (CNRS/INRIA/IRIT/McMaster)
4 PhDs & 2 Postdocs

SonarQube-like evaluation



Fairness
Accountability
Transparency
Ethics
Security



WP4: Tooling

Continuous Monitoring
Quality measures
Value-driven
User-friendly

WP2: FATES Integration

Modeling workflows integrating ML
WF metamodel and validation
Tooling to produce evidence
CI/CD dedicated components

WP1: FATES Modeling

Described as requirements
Validation criterias
Measures & KPIs
Distance function from optimal

WP3: FATES Variability

Variability models
FATES properties analysis
Justifications
Operationalization validation

