Interview PCS Cargonaut Solution

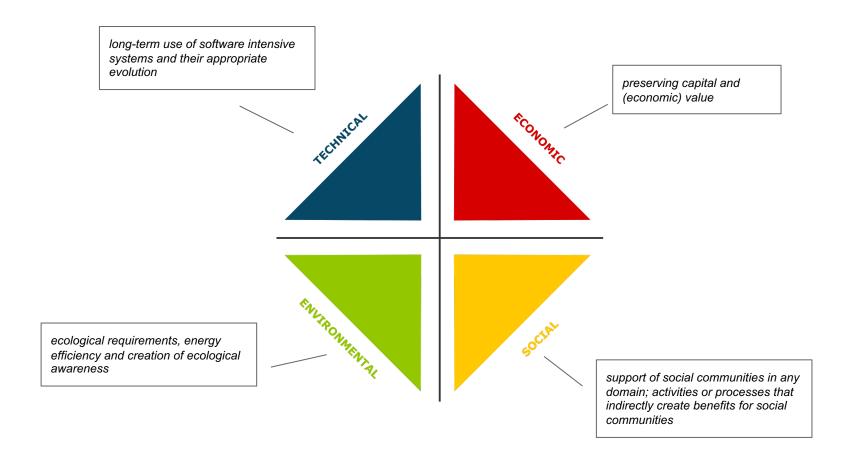
PCS Core - Governance & Security

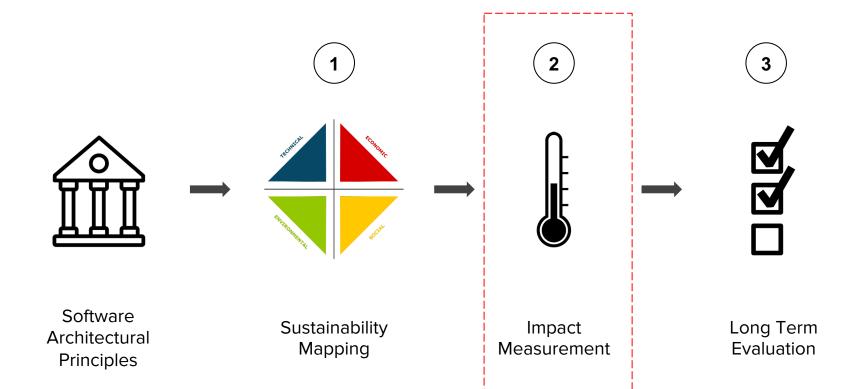
Agenda

- Introduction
 Sustainability
- Interview
- Further Questions

Introduction

"Framing Sustainability as a Property of Software Quality"[1]





Interview

Q#1

What architectural tiers would you define to structure the PCS Cargonaut solution?

Governance & Security

PCS Messaging Portal
Messaging (files, SMTP, API, ...);
Events;

PCS Core
Business Logic

PCS Market Portal

Architecture

Q#2

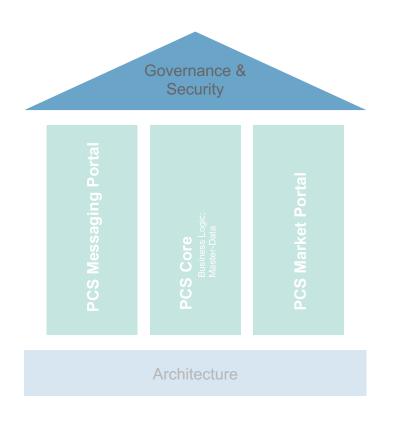
Would you confirm that this abstraction represents the major components of the PCS solution sufficiently?

Or would you add/change certain pillars?

Governance & Security Architecture



What are the "Governance & Security" **responsibilities** associated with the PCS?





Which main stakeholder(s) are involved/addressed by this tier?

Governance & Security

PCS Core
Business Logic;

PCS Market Por

Architecture



Are **SaaS** / **ETO** building-blocks / **PaaS** solutions used to provide certain "Governance & Security" implementations for the PCS?

And Why?

Governance & Security Architecture

Q#6

What architectural principle(s) would you define as **driving** architectural principle(s)?

And why?

Economic	Social	Environmental	Technical
Maintainability	User-friendly	Energy-efficiency	Maintainability
Adaptability	Accessibility	Effectiveness	Usability
Reusability	Usability	Technical correctness	Security
Modularity	Acceptable	Environmental compensation	Adaptability
Usefulness	Security	Environmental purpose	Scalability
Circularity	Usefulness		Robustness
Security	Adaptability		Portability
Usability			Software quality
Well-thought-out			
Interdependancy			
Robustness			

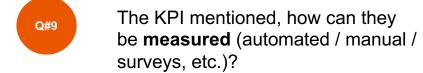


For each sustainability dimension: which sustainability quality attribute(s) would you select as the **driving attributes** for the mentioned selected architectural principle?

(provide list [1] only if none are mentioned)



For the selected sustainability quality attributes, can you define corresponding **KPIs** to track their impact?



Thank you!