Interview PCS Cargonaut Solution

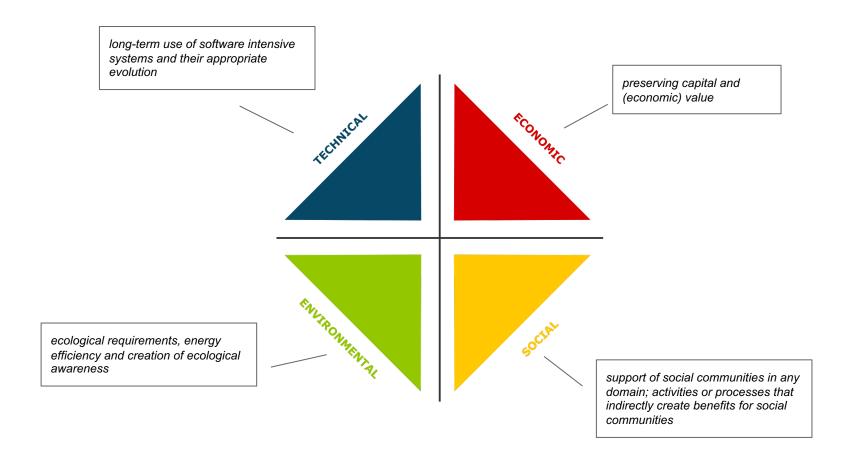
Architecture

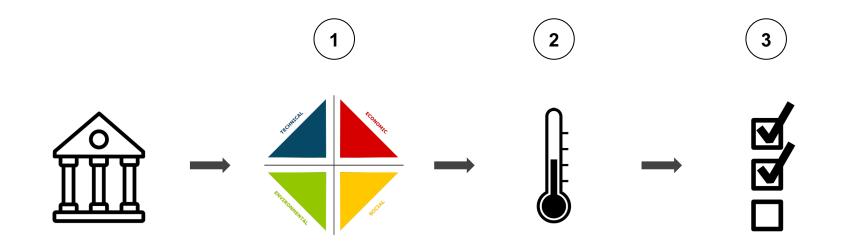
Agenda

- Introduction
 Sustainability
- Interview
- Further Questions

Introduction

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





Software Architectural Principles

Sustainability Mapping Impact Measurement Long Term Evaluation

Interview

Q#1

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

PCS Cargonaut

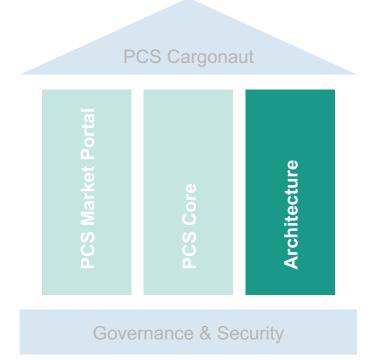
PCS Market Portal
Messaging;
Events

PCS Core Business Logic; Master-Data

Architecture Principles 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



Q#3

Which **main** stakeholder(s) are involved / addressed by the PCS Cargonaut solution?

PCS Cargonaut Architecture Governance & Security



Are **SaaS** / **ETO** building-blocks / **PaaS** solutions used to provide the implementations for the PCS?

And Why?

PCS Cargonaut Architecture Governance & Security



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

PCS Cargonaut

PCS Market Portal
PCS Core

Governance & Security



How do you ensure that the mentioned principles are **applied** by the PCS Cargonaut solution?

How do you **monitor** that in general?

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			

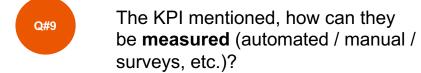


For each sustainability dimension: which sustainability quality attribute(s) would you select as the **driving attributes** for the mentioned selected architectural principle?

(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!