Interview PCS Cargonaut Solution

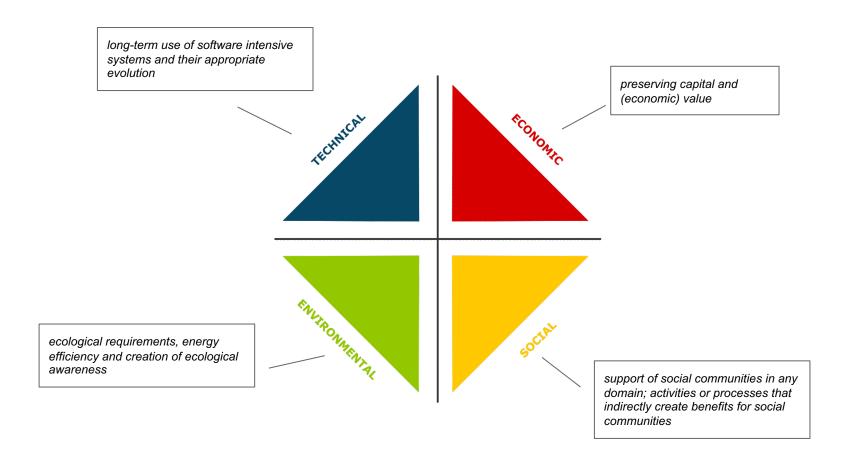
PCS Core - Master Data

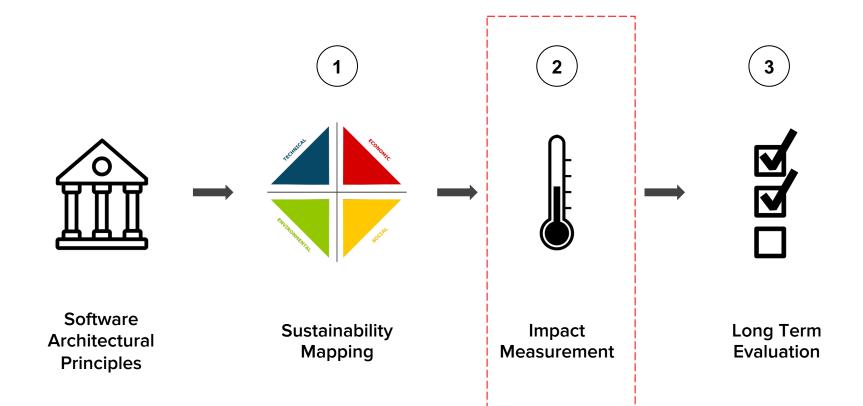
Agenda

- 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?

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?

PCS Core
Business Logic;
Master-Data
PCS Market Portal

Architecture



What are the **responsibilities** of the "Master-Data" related to the PCS?

PCS Core
Business Logic;
Master-Data
PCS Market Portal

Architecture



Which **main** stakeholder(s) do you address with the PCS Core / Master-Data?

PCS Messaging Portal

PCS Core
Business Logic;
Master-Data

PCS Market Portal

Architecture



Which SaaS / ETO building-blocks / PaaS solutions are used in the implementation?

And why?

PCS Messaging Portal

PCS Core
Business Logic;
Master-Data
PCS Market Portal

Architecture



What architectural principle(s) would you define as **driving** architectural principle(s) for the Master-Data?

PCS Messaging Portal

PCS Core
Business Logic;
Master-Data

PCS Market Portal

Architecture



How do you ensure that the mentioned principles are **applied** by the 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			

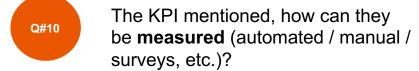


For each sustainability dimension: which sustainability quality attribute(s) would you select as the **driving attributes** for the mentioned selected architectural principle?

(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!