

Reference Model for Optimization of Cost Allocation and Planning for Management of Business Informatics

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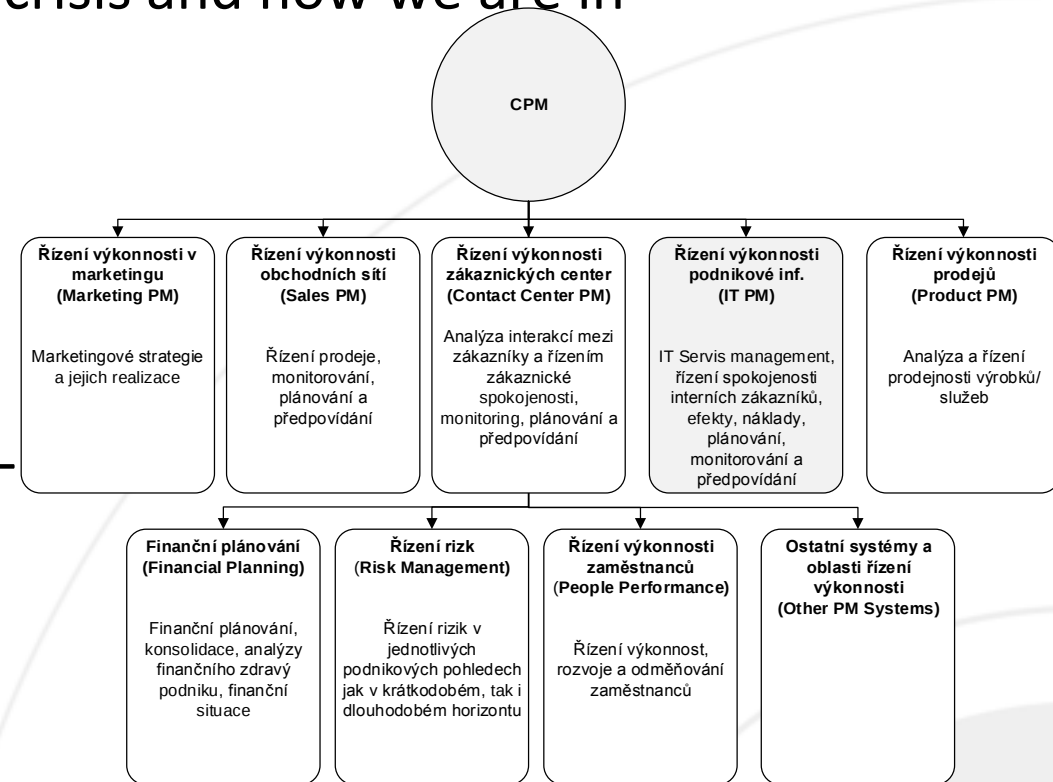
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Agenda

- Introduction
- Goals
- Reference model
 - Conceptual model
 - Architecture
 - Data model
 - Application Layer
 - Cost Allocations
- Pilot validation
- Effects of the model

Introduction

- Economic growth at the end of 20th century and beginning of 21st century replaced by economic crisis and now we are in recovery phase
- Development and implementation of systems for company's performance management
- Omnibus name: Corporate Performance Management (CPM) – the most dynamical developing part of management in almost all companies
- Synthesis of knowledge from informatics, accounting, and management



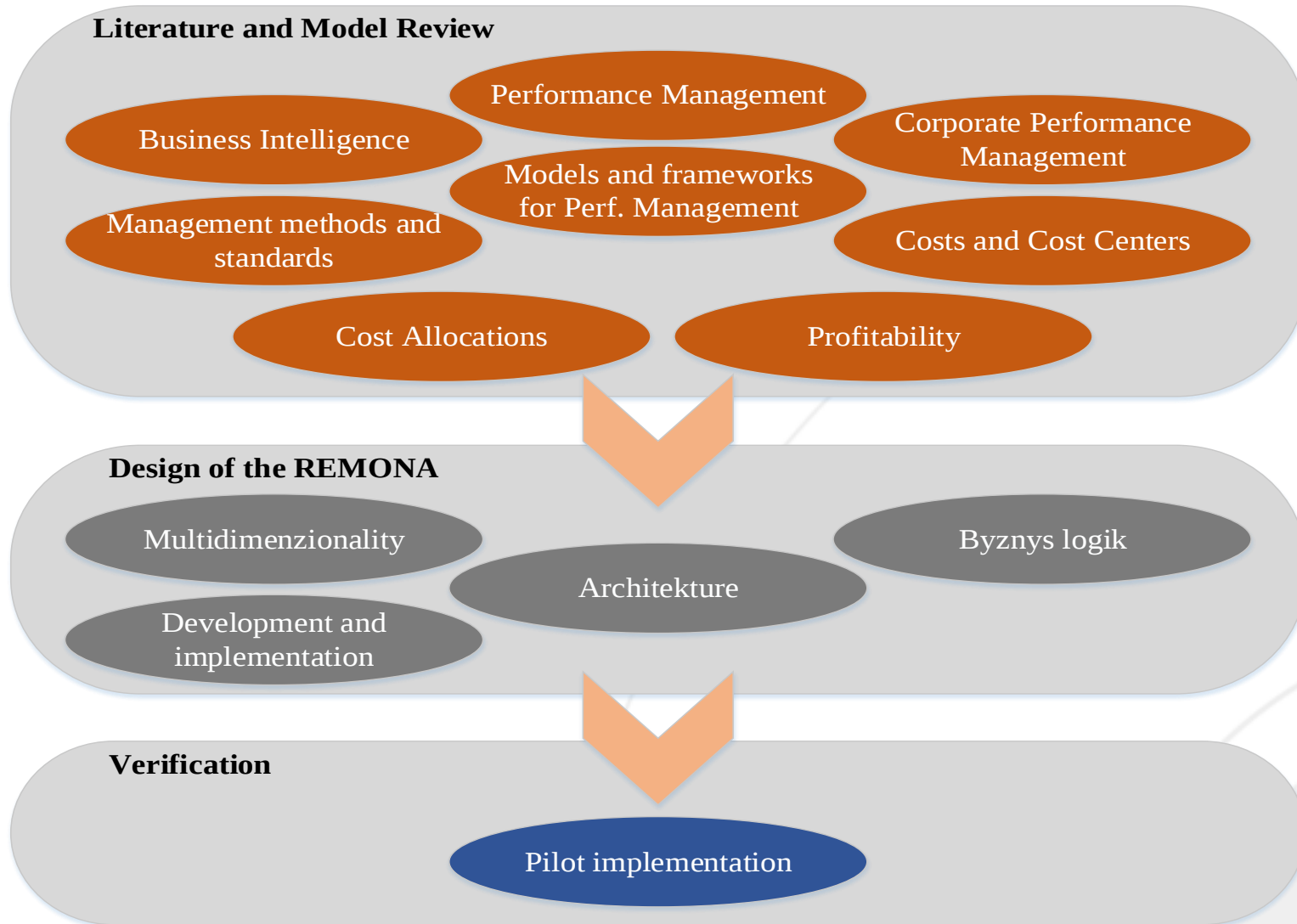
Problem Formulation

- Increasing costs on business informatics
 - Missing transparent identification gains of services
 - Allocation of costs between users of services
 - Profitability management
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- Costs have the main role in the field of business informatics because almost any manager's decision results from comparison costs (how much money we have to pay) with profits (how much money we acquire).

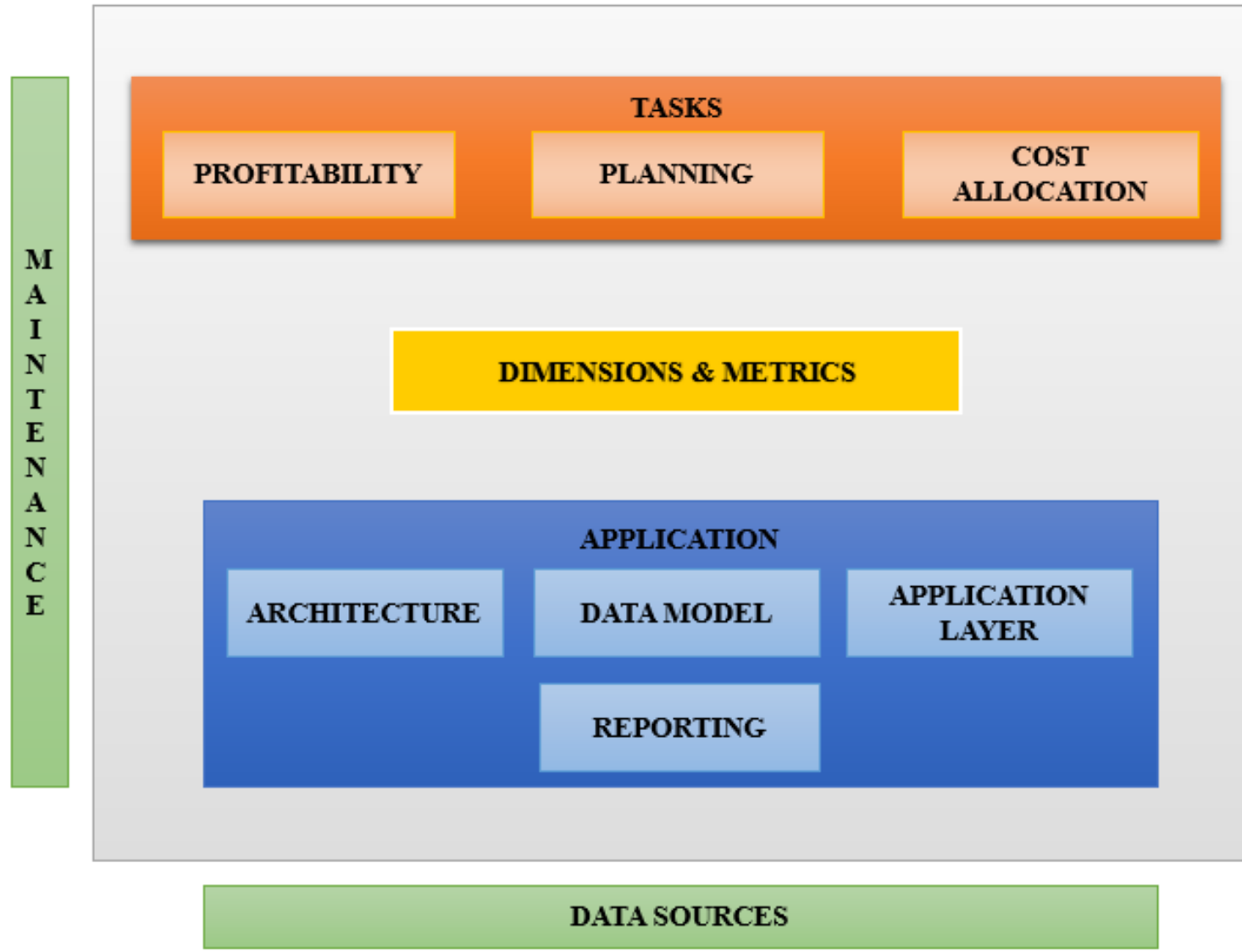
Goals and Target of the Project

- Main Goals:
 - Analysis of the CPM topic and topics regarding cost allocations, profitability management in the management of companies and companies informatics
 - Design of Reference Model for Optimization of Cost Allocation and Planning for Management of Business Informatics and it's pilot implementation
- Sub-Goals:
 - Detailed analysis of common models and trend in cost management, cost allocations and profitability management
 - Design of theoretical concept of the Reference Model for Optimization of Cost Allocation and Planning for Management of Business Informatics
 - Identification of reasons for implementation of the model into the company
 - Identification of factors that influence implementation of the model into the company
 - Identification and description of the phases for model implementation
 - Obtaining of knowledge and experience from implementation of the REMONA model

Structure of the Project

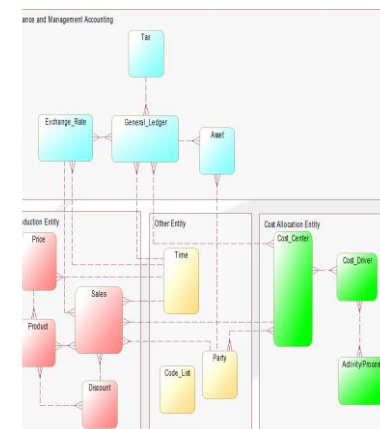
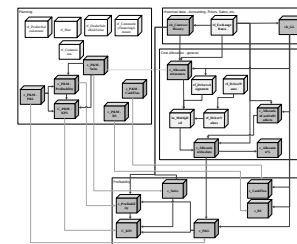
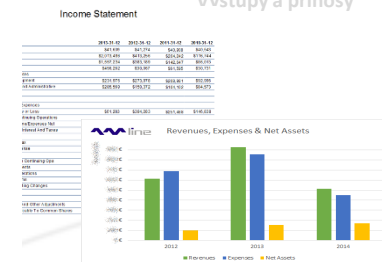
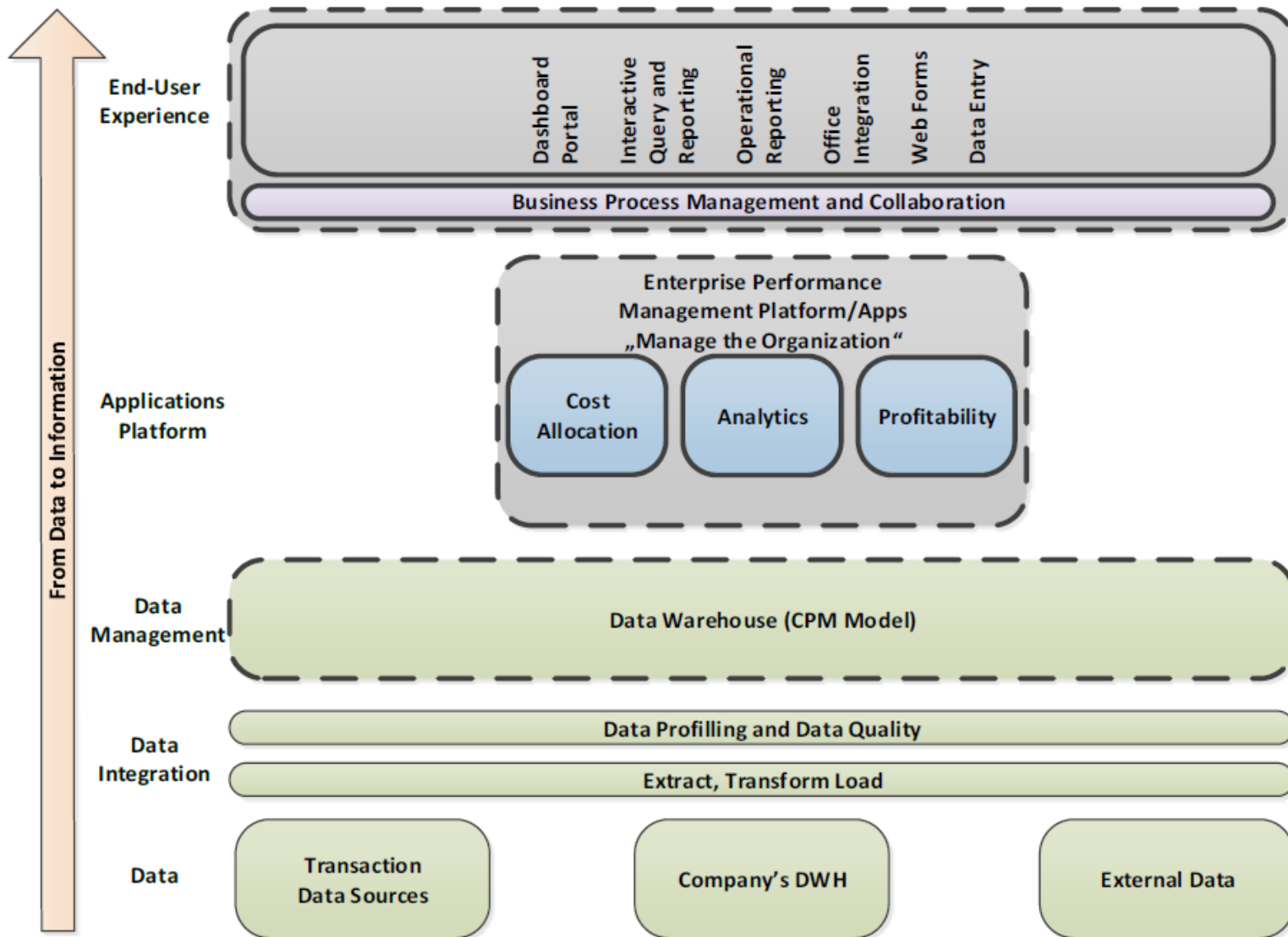


Model REMONA – conceptual diagram



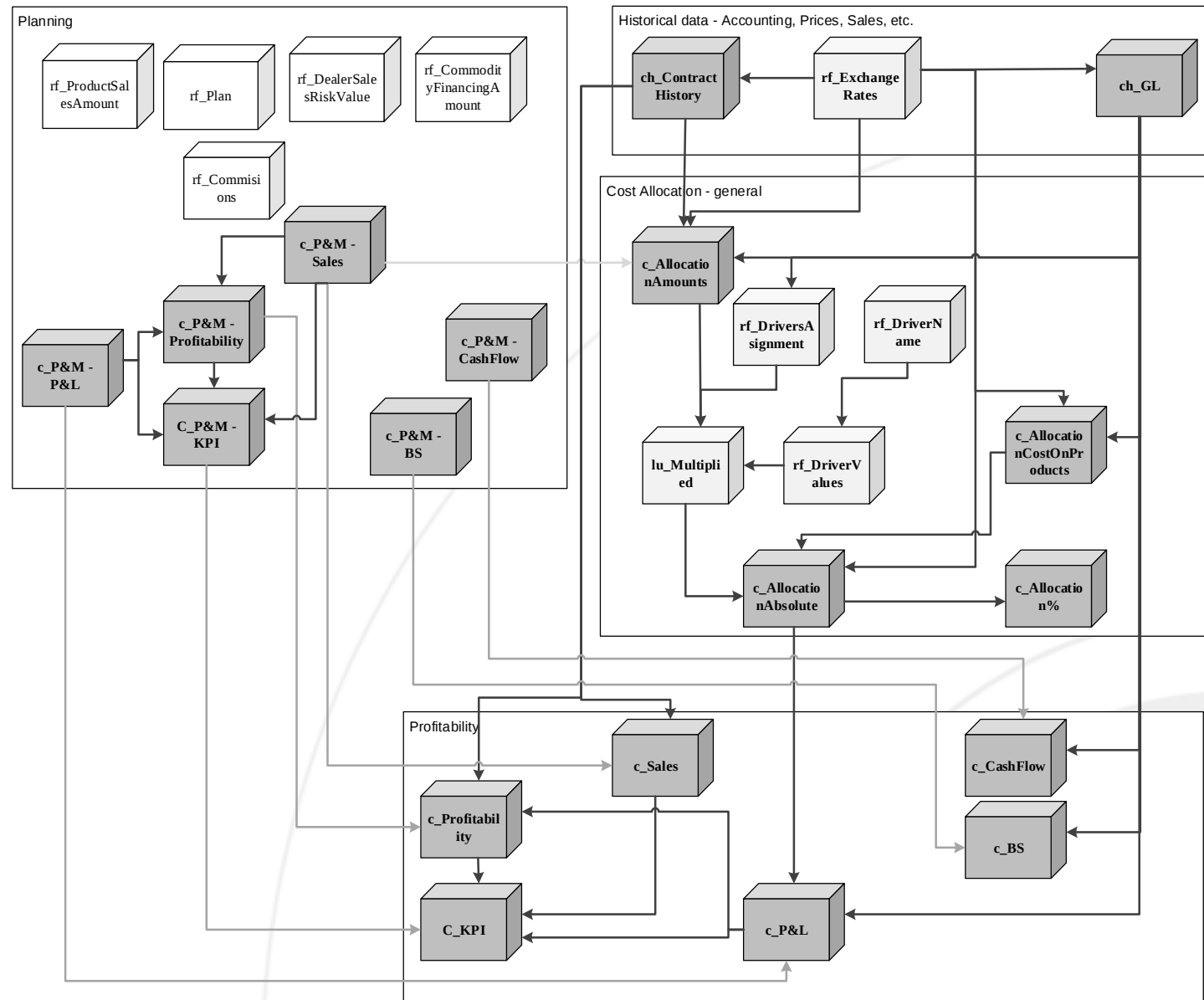
Architecture REMONA

Úvod
Cíl a zaměření
Struktura
Analýza zdrojů
Návrh modelu REMONA
Konceptuální návrh
Architektura
Aplicační vrstva
Nákladové alokace
Pilotní ověření
Výstupy a přínosy



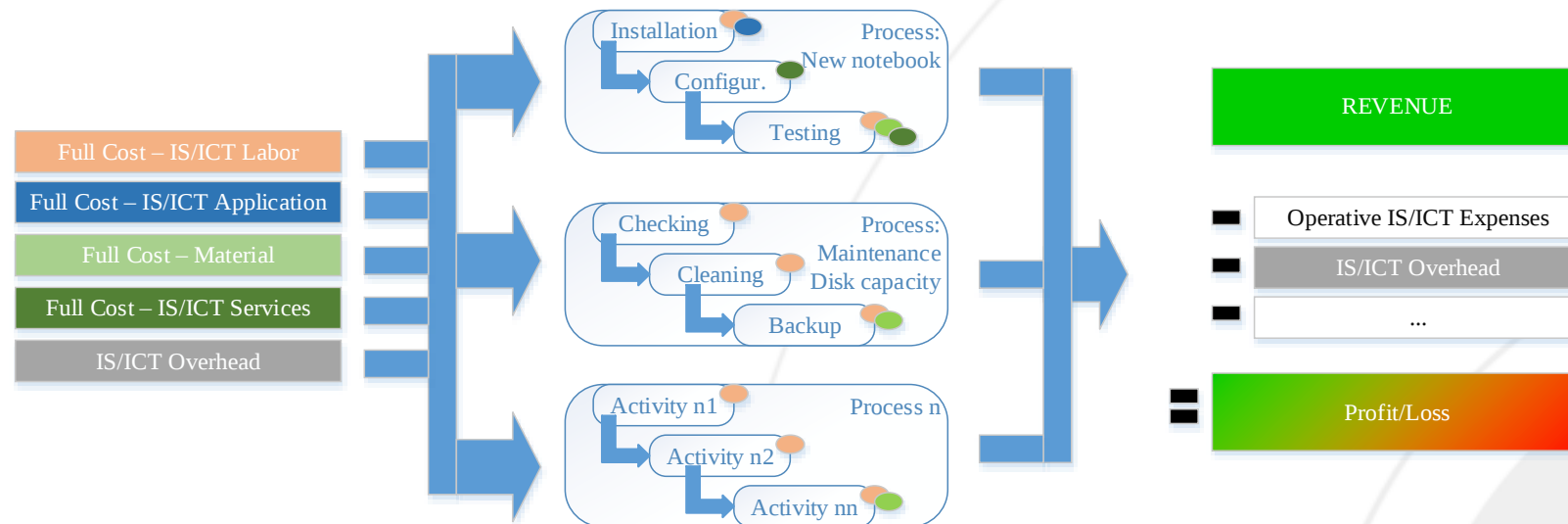
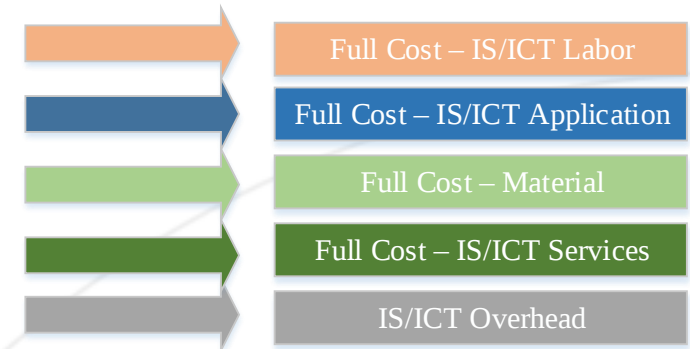
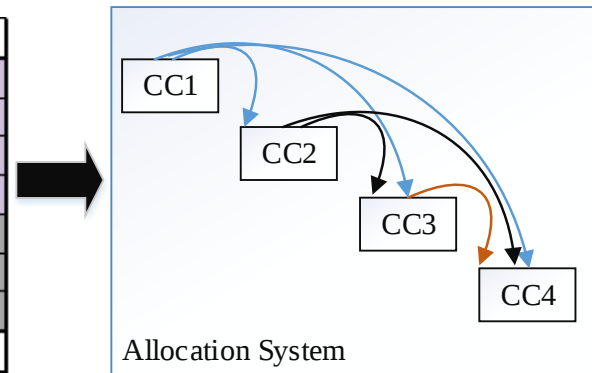
Application layer - REMONA

- Profitability
- Planning
- Cost Allocation



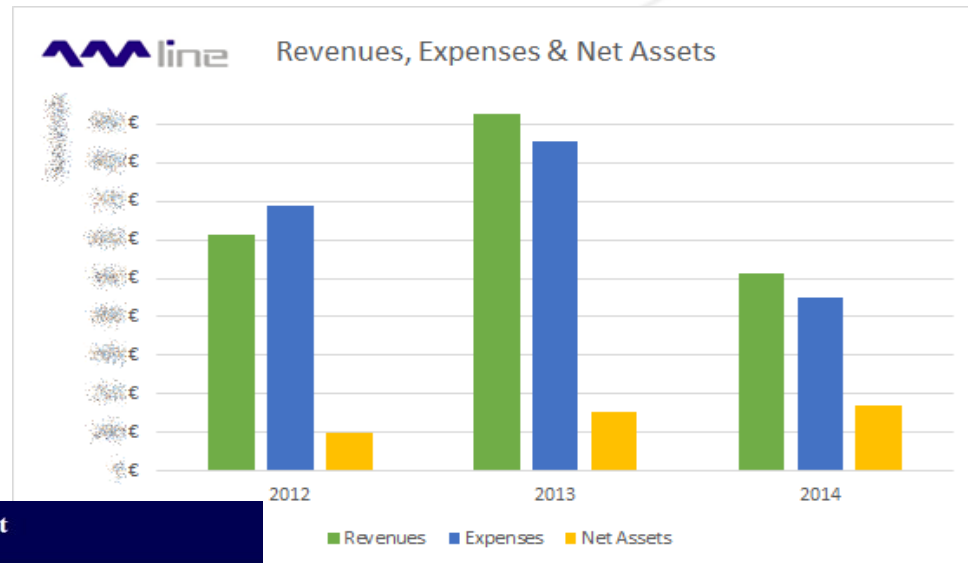
Cost Allocation in REMONA

Cost\Cost center (CC)	CC1	CC2	CC3	CC4	CCn
Employees					
Hardware					
Software					
Trainings					
Energy					
...1					
...2					
Sum					



Pilot Implementation: : AM-Line, GmbH

- Design of DWH
- Improvement and making more transparent financial processes and reporting



	2014-07-31	2013-12-31	2012-12-31
Revenue	120,000,000 €	100,000,000 €	80,000,000 €
Cost of Goods	40,000,000 €	30,000,000 €	20,000,000 €
Gross Margin	80,000,000 €	70,000,000 €	60,000,000 €
Own Cost Capitalized	800,000 €	1,000,000 €	1,000,000 €
Staff Costs	10,000,000 €	10,000,000 €	10,000,000 €
Operative Expenses	20,000,000 €	20,000,000 €	20,000,000 €
Other Operating Income	2,000,000 €	2,000,000 €	2,000,000 €
Other Operating Expenses	1,000,000 €	1,000,000 €	1,000,000 €
EBITDA	50,000,000 €	40,000,000 €	30,000,000 €
Depreciation and Amortization	10,000,000 €	10,000,000 €	10,000,000 €
EBITDA	40,000,000 €	30,000,000 €	20,000,000 €
Financial Income	1,000,000 €	1,000,000 €	1,000,000 €
Financial Expense	1,000,000 €	1,000,000 €	1,000,000 €
Earnings Before Taxes	39,000,000 €	29,000,000 €	19,000,000 €
Income Tax Expenses	10,000,000 €	10,000,000 €	10,000,000 €
Earnings	29,000,000 €	19,000,000 €	9,000,000 €

Pilot Implementation: AM-Line, GmbH

- Effects

- **Financial results from all subsidiaries available:**
 - New solution: second day after closing
 - Old solution: 8 working days after closing
- **Real-time reporting over all subsidiaries:**
 - Employees workload
 - Travel expenses
 - Available project budget
- **Unified processes in reporting without dependency on human factor**
- **We saved 1,2 FTE – automatized reporting**

Conclusions

- **Analyzed topic of CPM, cost optimization and cost allocation and planning**
- **Designed and developed model that was verified in the practice:**
 - Concept of planning
 - Concept of cost allocation and profitability management
 - Planning and cost allocation tasks
 - Reporting
 - Dimensions and metrics
 - Multidimensionality
 - Architecture of the model
- **Practice**
 - **Configurable model**– configuration especially in ETL, code lists, metrics etc.
 - Model based on the best practices from existing models
 - Effects: faster and more precise solution, on-line, cost saving.
- **Theory and science**
 - **Selection of the best methods and models related to the topic and their interconnection**
 - Identification of dimensions and metrics suitable for selected tasks
 - **Pilot implementation**
 - **Identification of limits of the model**



Questions/Discussion

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