Use of Corporate Architecture for IT
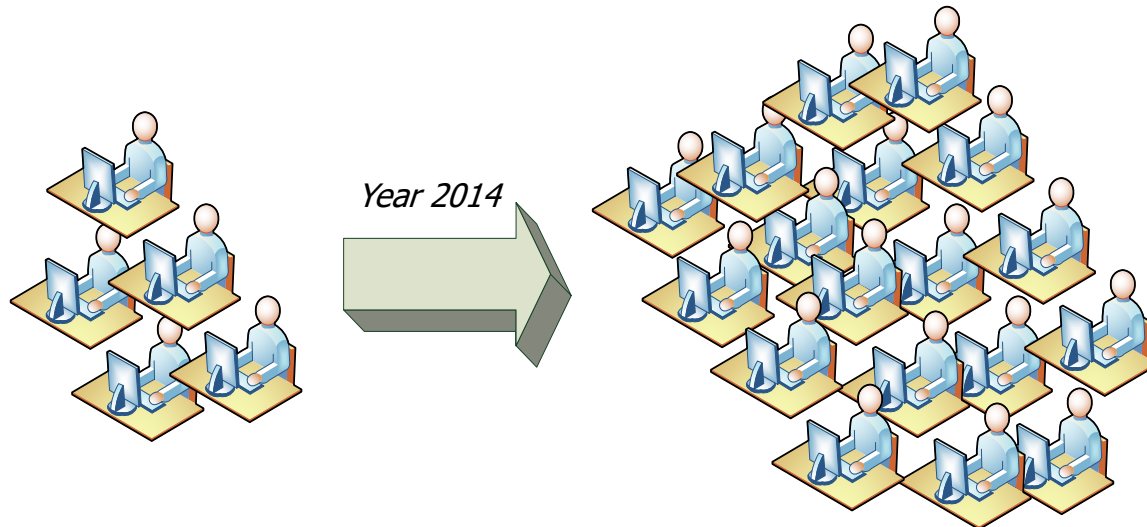
Moravian-Silesian Region

Zpracoval(a): Tomáš Vašica, Alois Slovák   Datum: 17.10.2018

Why Enterprise Architecture?

Year 2014

Regional Corporation = Regional Authority and 221 Contributing Organizations (5 Sectors: Health, Education, Transport, Social, Culture, 17 Segments, 470 Infrastructure Connection Points)

Increasing user numbers from 700 to around 20 000 (potentially 80 000)
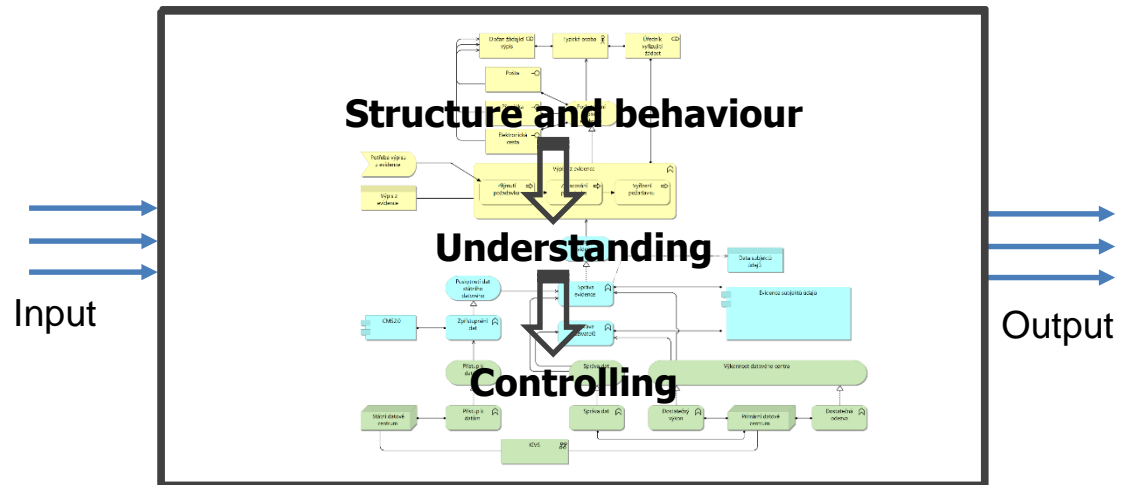
Understanding the Business

Typical Problems

- Multiple sources for the same data
- Undocumented interfaces
- Multiple technologies
- Limited re-use
- Problematic changes
- High TCO
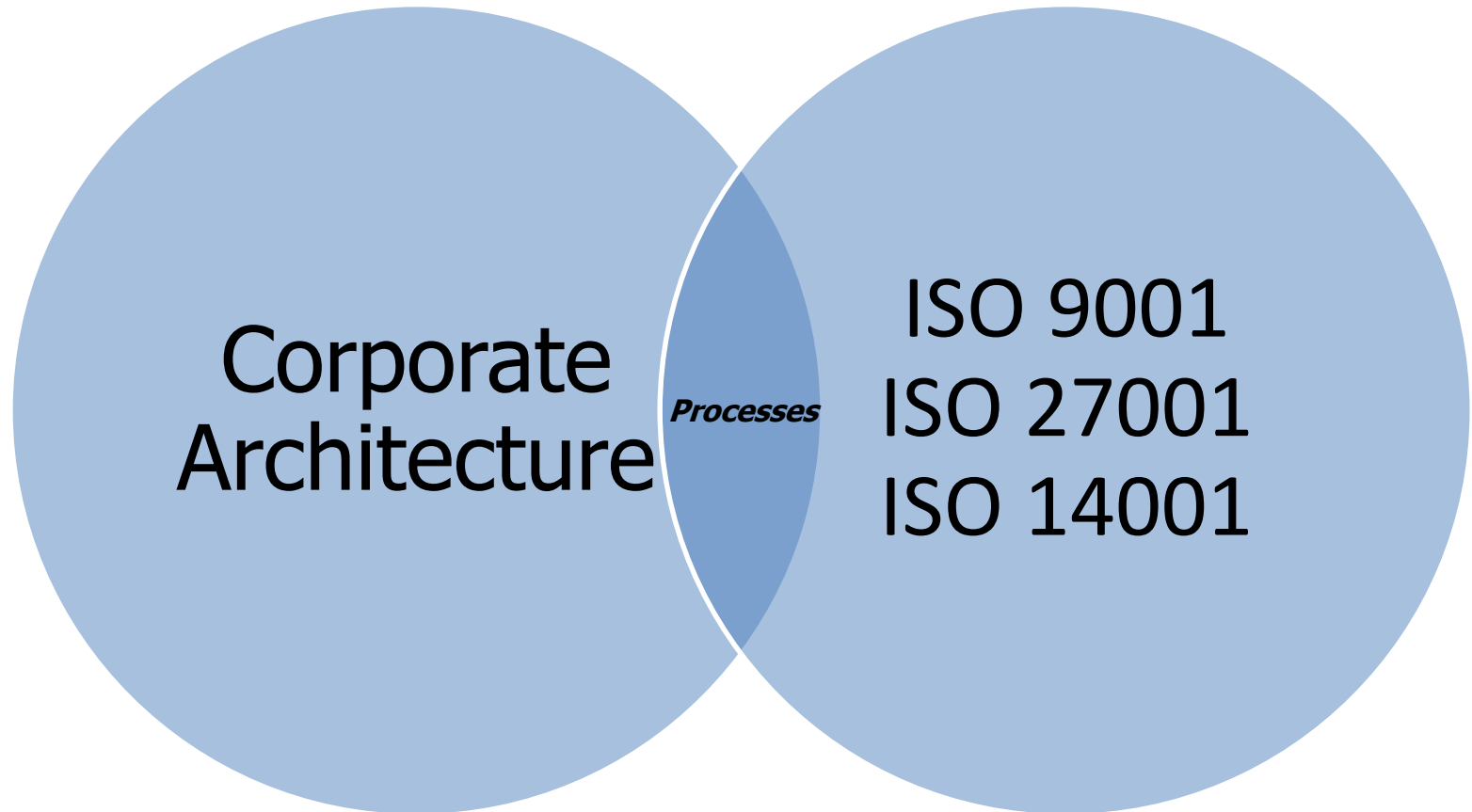- Understanding between ICT management and TOP management

The Benefits of Enterprise Architecture

- Compliance with strategy
- Intelligibility – common language
- Complexity – see things in context
- Different views for different groups
- Order in the documentation
- Relationships between provided ICT services
- Support for development planning
- Support for standardization
- Control tools, reference models

Relationship to Quality

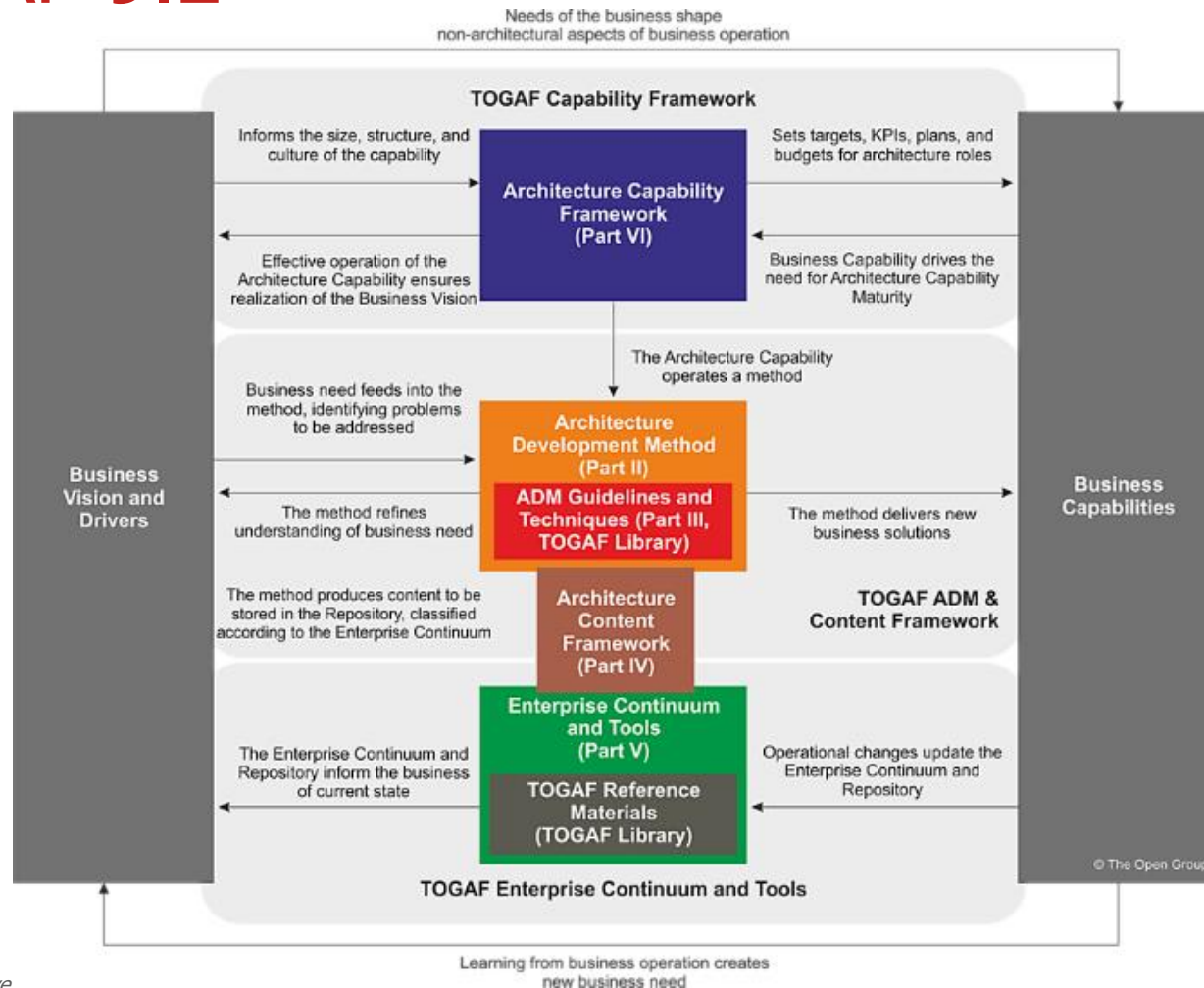Corporate Architecture · Processes · ISO 9001 ISO 27001 ISO 14001
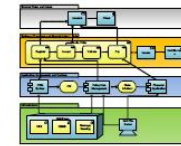
eGovernment

Information Concept of the Czech Republic (under Act. 365/2000 Coll.)

National Architecture
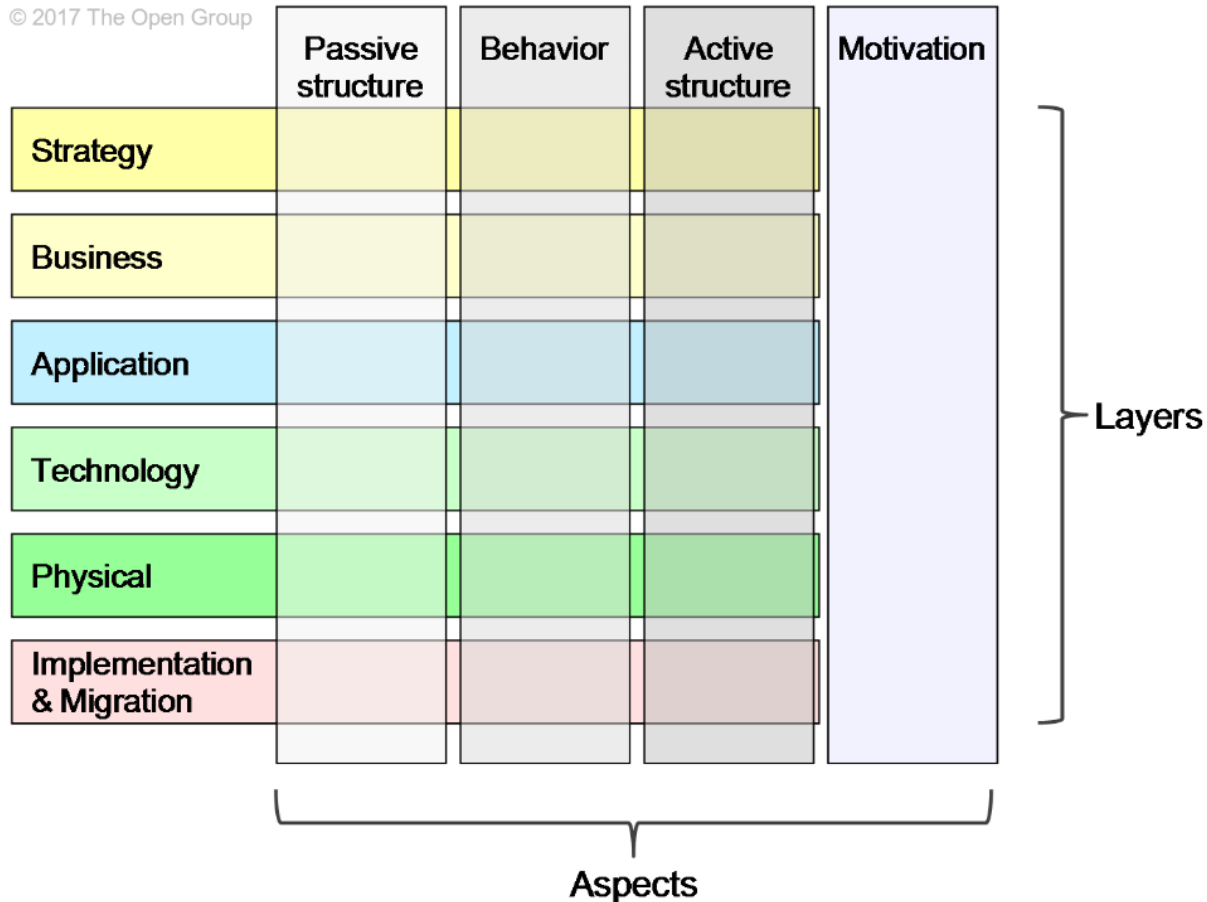National Architecture Framework
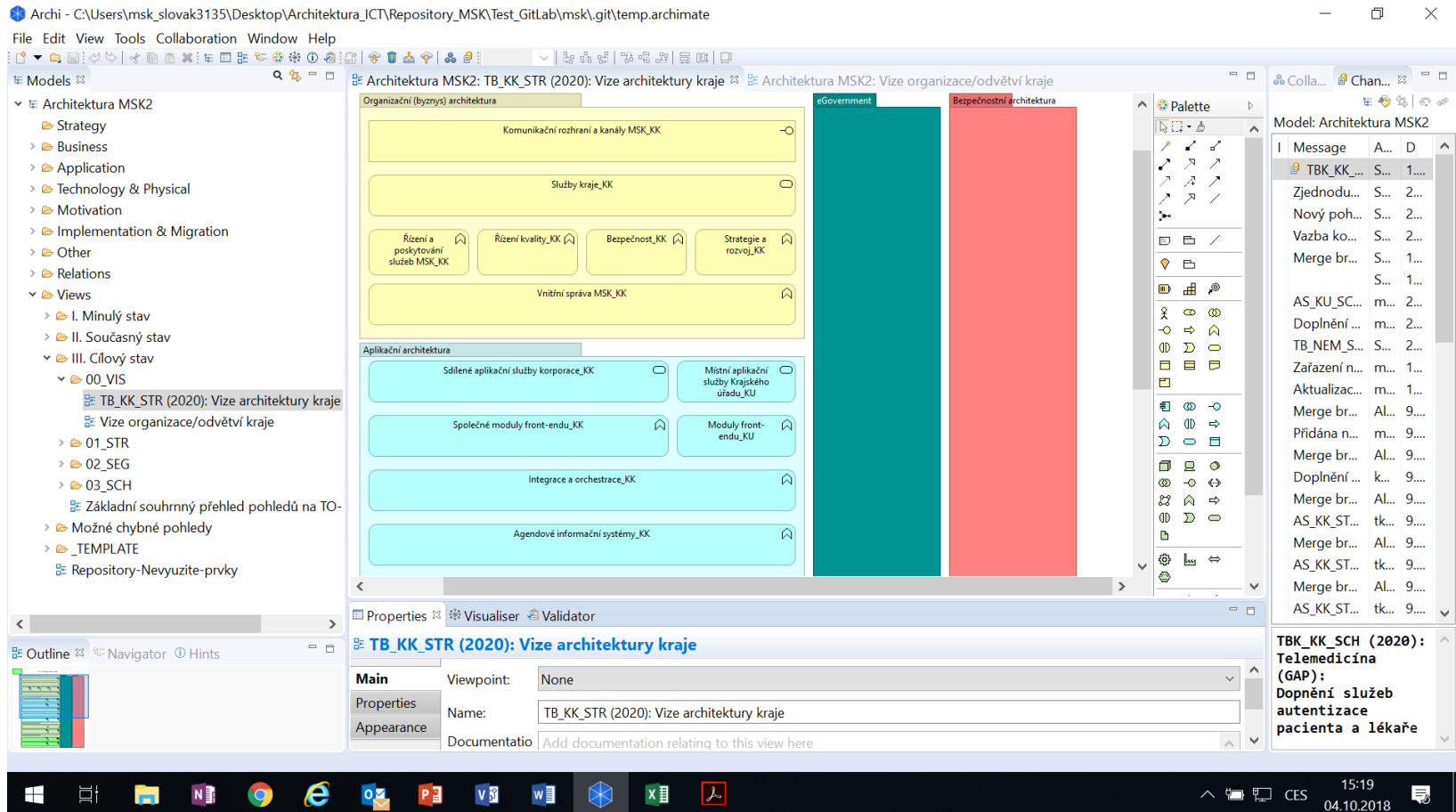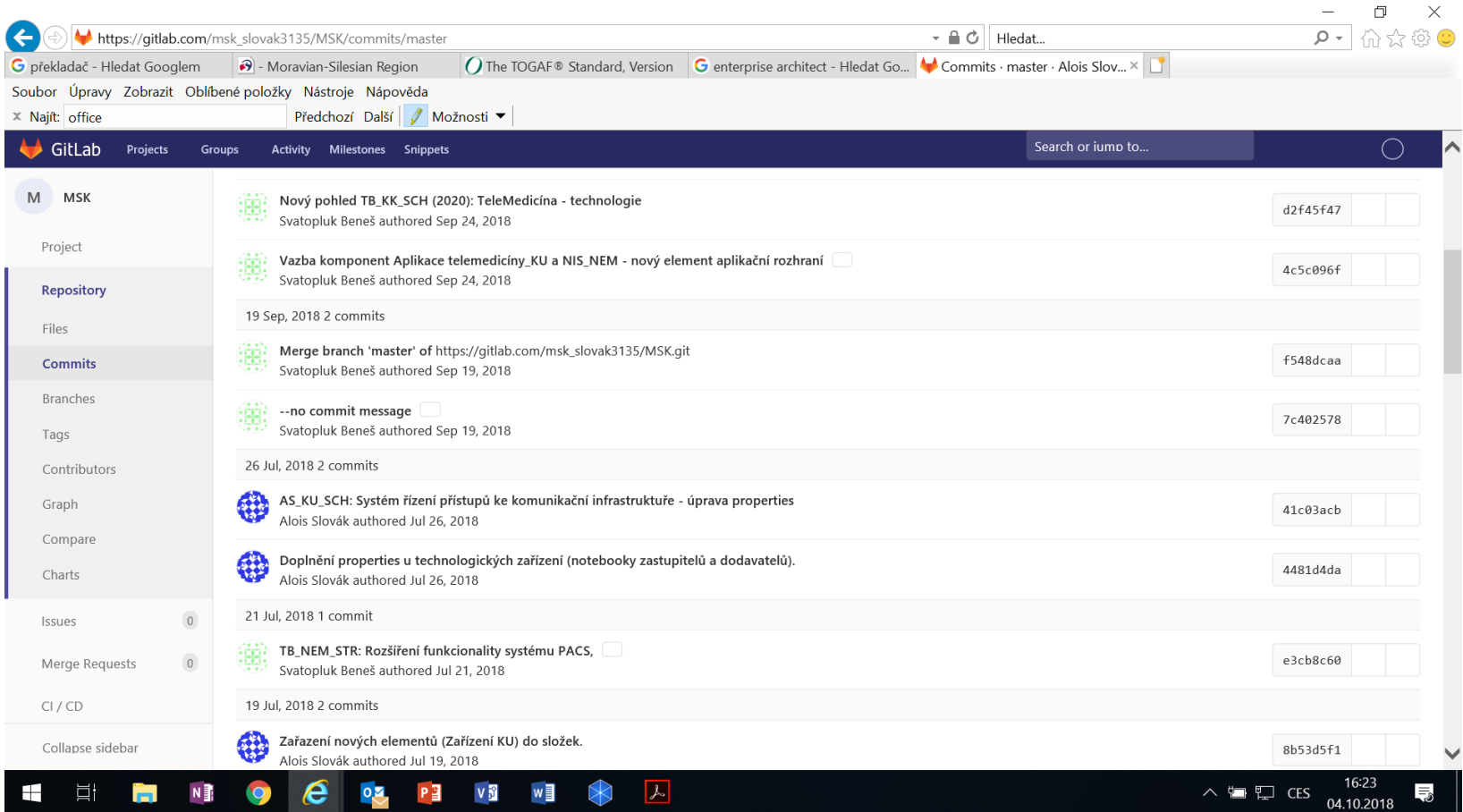National Architecture Plan

TOGAF 9.2

Needs of the business shape
non-architectural aspects of business operation

TOGAF Capability Framework

Informs the size, structure, and culture of the capability

Sets targets, KPIs, plans, and budgets for architecture roles

Architecture Capability Framework (Part VI)

Effective operation of the Architecture Capability ensures realization of the Business Vision

Business Capability drives the need for Architecture Capability Maturity

The Architecture Capability operates a method

Business need feeds into the method, identifying problems to be addressed

Architecture Development Method (Part II)

Business Vision and Drivers

The method refines understanding of business need

ADM Guidelines and Techniques (Part III, TOGAF Library)

The method delivers new business solutions

Business Capabilities

The method produces content to be stored in the Repository, classified according to the Enterprise Continuum

Architecture Content Framework (Part IV)

TOGAF ADM & Content Framework

Enterprise Continuum and Tools (Part V)

The Enterprise Continuum and Repository inform the business of current state

TOGAF Reference Materials (TOGAF Library)

Operational changes update the Enterprise Continuum and Repository

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TOGAF Enterprise Continuum and Tools

Learning from business operation creates
new business need

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ArchiMate 3.0.1

© 2017 The Open Group

Archi 4.3

We have introduced a quality management system and an environmental management and audit system

Collaboration with GitLab

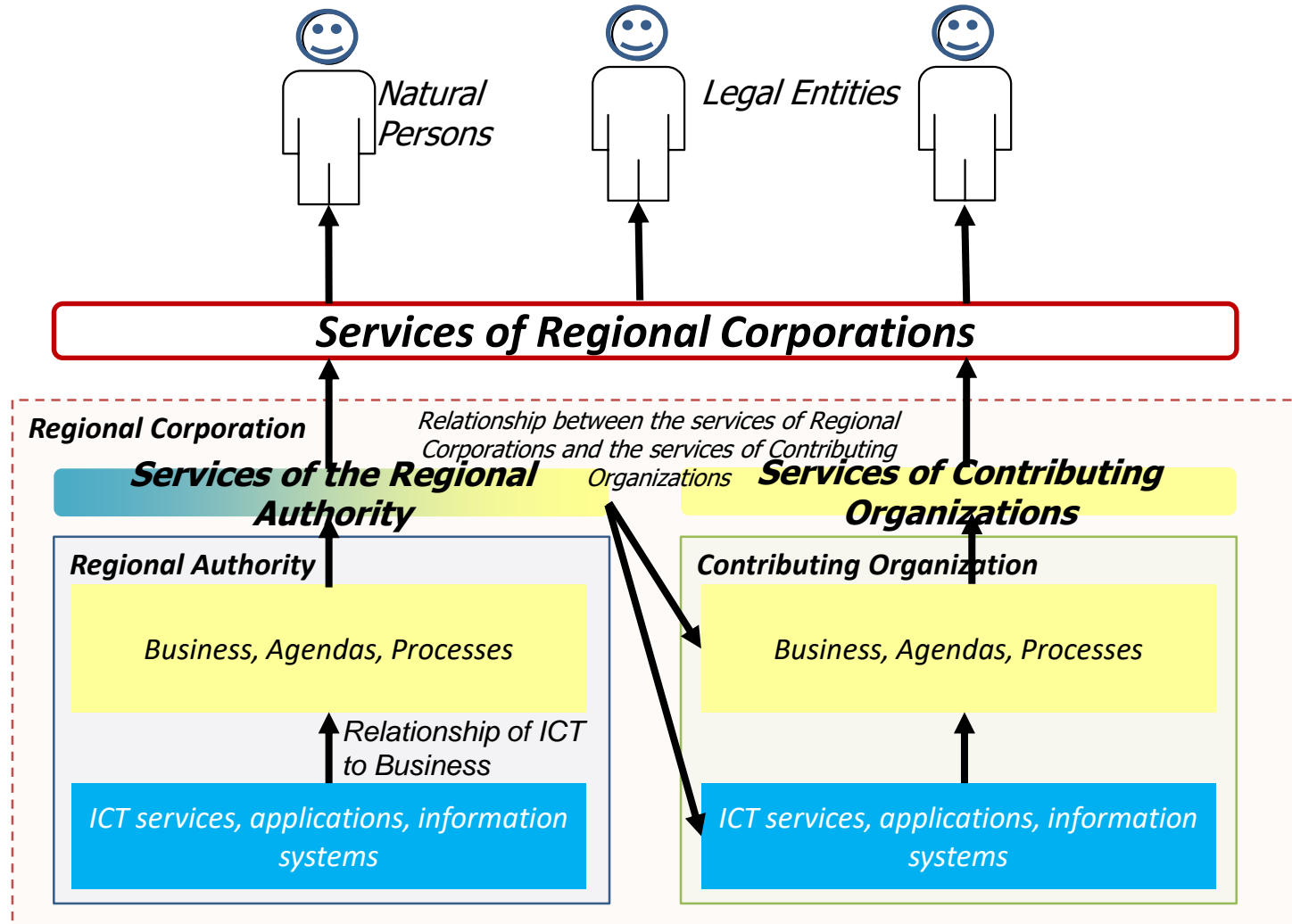We have introduced a quality management system and an environmental management and audit system

Architecture Models

- Crisis Management (1141 elements)
- Regional Corporations (3269 elements)

Approx. 250 diagrams

Architecture Overview

Diagram of the Vision

TB_KK_STR: Vize architektury Kraje

Architecture Governance

Architecture Board:

- Director of the Regional Authority

- Enterprise Architect

- Head of Department of InformationTechnology (CIO)

- Head of Department of Transportation and Smart Region

- Head of Management Support Unit

- Head of Corporate Governance Office
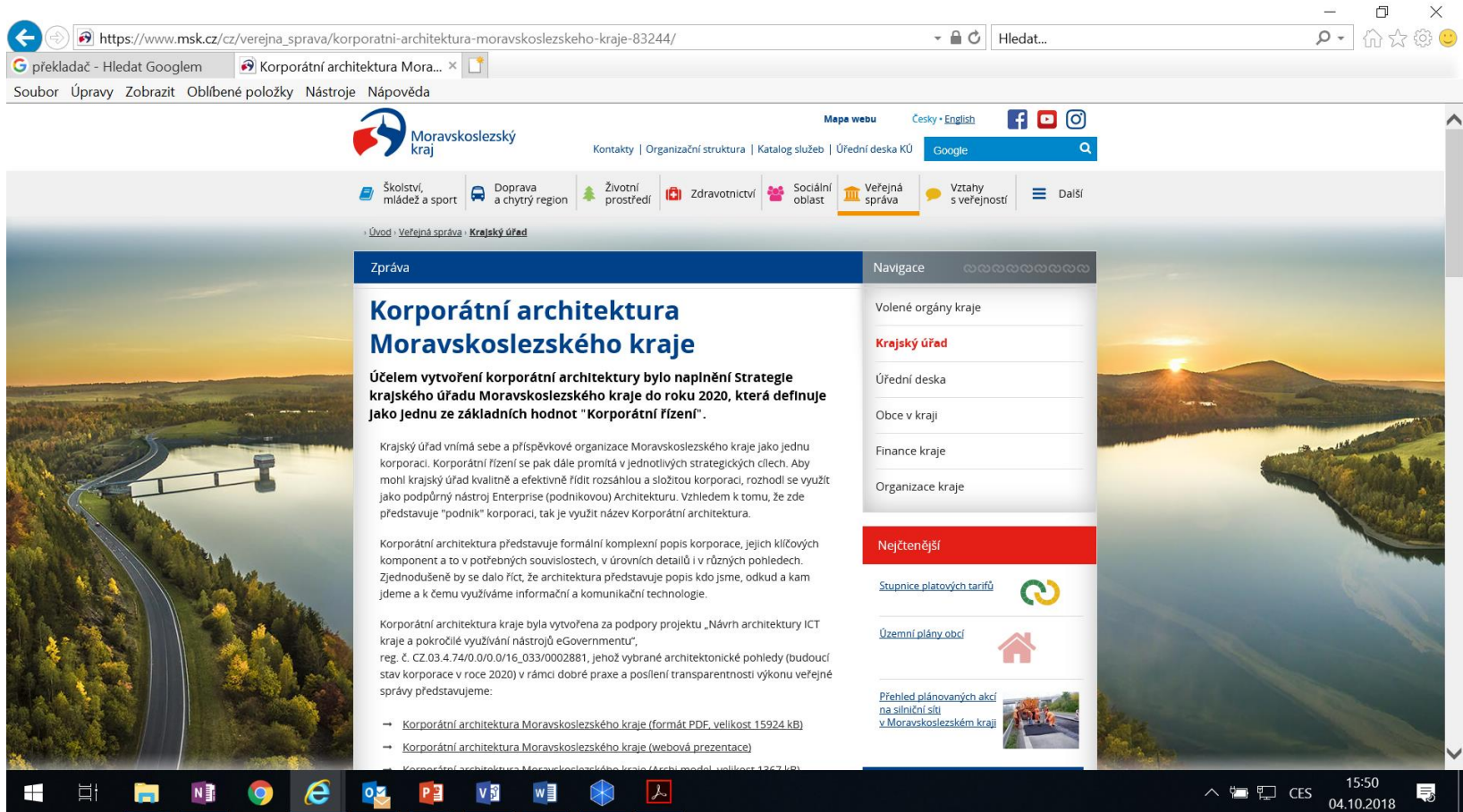
Architecture Management

Architecture Office:

- Enterprise Architect

- Information Technology Department Architect

- Shared Services Architect

- Security Architect

Web Presentation

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Practical Use

- Architecture model
- ICT standardization
- Architecture principles
- Architecture compliance (checklists, forms)

We have introduced a quality management system and an environmental management and audit system

Award

There is no man in the world who cannot help architecture
Claude Nicolas Ledoux

www.msk.cz

Thank you for your attention