TIMBUS
TIMELESS BUSINESS

Digital Preservation for Timeless Business Processes and Services

Start Date: 1\textsuperscript{st} April 2011
Duration: 36 months

Wasif Gilani (SAP AG)
The Consortium
Vision
Motivation & Approach
Programme Structure
Work Packages
Project Website / Twitter
### TIMBUS: The Consortium

#### TIMELESS BUSINESS

<table>
<thead>
<tr>
<th>Project Name: Digital Preservation for Timeless Business Processes and Services</th>
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<tr>
<td><strong>Grant Agreement No:</strong> 269940</td>
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<td><strong>Web:</strong> timbusproject.net</td>
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<td><strong>Duration:</strong> April 2011 – March 2014</td>
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<td><strong>Project Funding:</strong> (EC / Total) €7.778m / 11.733m</td>
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<th>KIT</th>
<th>WWU</th>
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Digital preservation for timeless business processes and services.
Primary Motivations

- Declining popularity of centralized in-house businesses.
- Increasing popularity of SaaS, PaaS, (*aaS), and IoS.
- Requirement for dependability.

TIMBUS Approach

- Establish activities, processes and tools to ensure continued access to business processes and supporting services and infrastructure.
- Align preservation with enterprise risk management (ERM) and business continuity management (BCM).
- Explore DP from a BCM perspective.
TIMBUS : Innovations

- Planning - risk analysis
  - Service Dependency Analysis
  - Business Process Context Capture
- Preservation - preserve the process
  - Legalities Lifecycle Management
  - Business Process Virtualization and Storage
  - Processes and Standards for DP of Business Processes
- Redeployment - rerun the process
  - Business Process Exhumation and Integration Support
TIMBUS : Programme Structure

WP1 - Project Management

WP7 - Engineering Services and Systems for DP

WP8 - Civil engineering structural safety monitoring

WP9 - eScience and Mathematical Simulations

WP6 - TIMBUS Tools & Technologies

- Requirements
- Integrated toolbox from which case-specific technologies can be built

WP4 - Processes and Methods for Digitally Preserving Business Processes

WP5 - Software Architecture for Digital Preservation

WP2 & WP3 - Exploitation and Dissemination

WP7

WP8

WP9

2 November 2012

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WP1 - Project Management

WP7 - Engineering Services and Systems for DP

WP8 - Civil engineering structural safety monitoring

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WP6 - TIMBUS Tools & Technologies

- Requirements to ensure interoperability of tools, metamodels and methods
- Methodological components; metamodels, tooling, methods and process elements

WP4 - Processes and Methods for Digitally Preserving Business Processes

WP5 - Software Architecture for Digital Preservation

WP2 & WP3 - Exploitation and Dissemination
Definition and requirements specification for a enterprise scale service based business process

Use case being defined and requirements for digital preservation being provided
TIMBUS : WP8 - LNEC Use Case

Definition and requirements specification for a large-scale, long-term civil engineering scenario (dam) involving sensors/devices and CAD/CAM services.

Use case defined and requirements for DP provided for the preservation of the processes of acquisition / management of sensor data for civil engineering structural safety monitoring.
Definition and requirements specification for long-term mathematical simulation and data analysis of large Particle Physics Experiment.
Processes involved in the local analysis of experimental data by researchers
Use case defined and requirements for DP provided
TIMBUS: Programme Structure

WP1 - Project Management

WP2 & WP3 - Exploitation and Dissemination

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Integrated toolbox from which case-specific technologies can be built
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Engineering Services and Systems for DP

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WP4 - Processes and Methods for Digitally Preserving Business Processes

WP5 - Software Architecture for Digital Preservation

WP2 & WP3 - Exploitation and Dissemination

Requirements
Integrated toolbox from which case-specific technologies can be built
Design of Risk Management approach that integrates DP by considering it as a risk mitigation action.

Identification and assessment of legal aspects and risks for digital preservation

Development of a Context Model

Establish efficient and effective processes and methods for DP of business processes
- Intelligent Enterprise Risk Management System Architecture
- Service Architecture for Preservation
- Design of DP system archive
- Architecture and infrastructure definition for virtualisation, storage, rerun and integration (VSRI).
- Design and implementation of a prototype for operational risk modelling and analyses
- Dependency extraction system
  - Extract software dependency relations and software licences.
- Regulatory/Contractual Life Cycle Management
- Business Process Virtualisation and Storage Manager
- Context Information and Metadata Capture Tool
- Business Process Rerun/Integration Environment
Vision

The EU co-funded TIMBUS project focuses on **resilient business processes**. It will make the execution context, within which data is processed, analysed, transformed and rendered, accessible over long periods. Furthermore, continued accessibility is often considered as a set of activities carried out in the isolation of a single domain. TIMBUS, however, considers the **dependencies on third-party services, information and capabilities** that will be necessary to validate digital information in a future usage context.

TIMBUS will deliver **activities, processes and tools** that ensure

- **Continued access to services and software**
- **To produce the context** within which information can be assessed, properly rendered, validated and transformed into useful business data.
Timbus Project
@timbus_project
Tweeting about the TIMBUS Project, digital preservation and timeless business processes
Europe  http://timbusproject.net

Timbus Project  @timbus_project
#dpc is delighted to release a new Tech Watch Report, ‘Preserving Moving Pictures and Sound’. #timbus bit.ly/IRMQfl

Timbus Project  @timbus_project
2 #timbus presentations at #ignite conference to raise awareness for #digitalpreservation needs in the software industry. Great event.

Timbus Project  @timbus_project
RT @williamkilbride: Reg open #DPC Briefing ‘Digital Preservation and Digital Resilience’, London 21/05 bit.ly/HGSMEr pls rt

Timbus Project  @timbus_project
KEEP emulation framework will interest folks in #APARSEN and #TIBUS - bit.ly/GEer1N

Timbus Project  @timbus_project
March issue of #dpc/ #dcc ‘What new’ just released: bit.ly/waALqa

Timbus Project  @timbus_project
member’s preview of latest #DPC Tech Watch Report ‘Preserving Moving Pictures and Sound’: bit.ly/zWb4o4
Thank You