

# TIMBUS



TIMELESS BUSINESS

## TIMBUS

Digital Preservation for Timeless  
Business Processes and Services

Start Date: 1<sup>st</sup> April 2011

Duration: 36 months

Wasif Gilani (SAP AG)















- The Consortium
- Vision
- Motivation & Approach
- Programme Structure
- Work Packages
- Project Website / Twitter

# TIMBUS : The Consortium

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<p>SAP</p> 	<p>KIT</p> 	<p>WWU</p> 	<p>CMS</p> 
<p>SQS</p> 	<p>LNEC</p> 	<p>INESC-ID</p> 	<p>iPharro</p> 
<p>Intel</p> 	<p>LIP</p> 	<p>DPC</p> 	<p>SBA</p> 

# TIMBUS - Vision

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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.



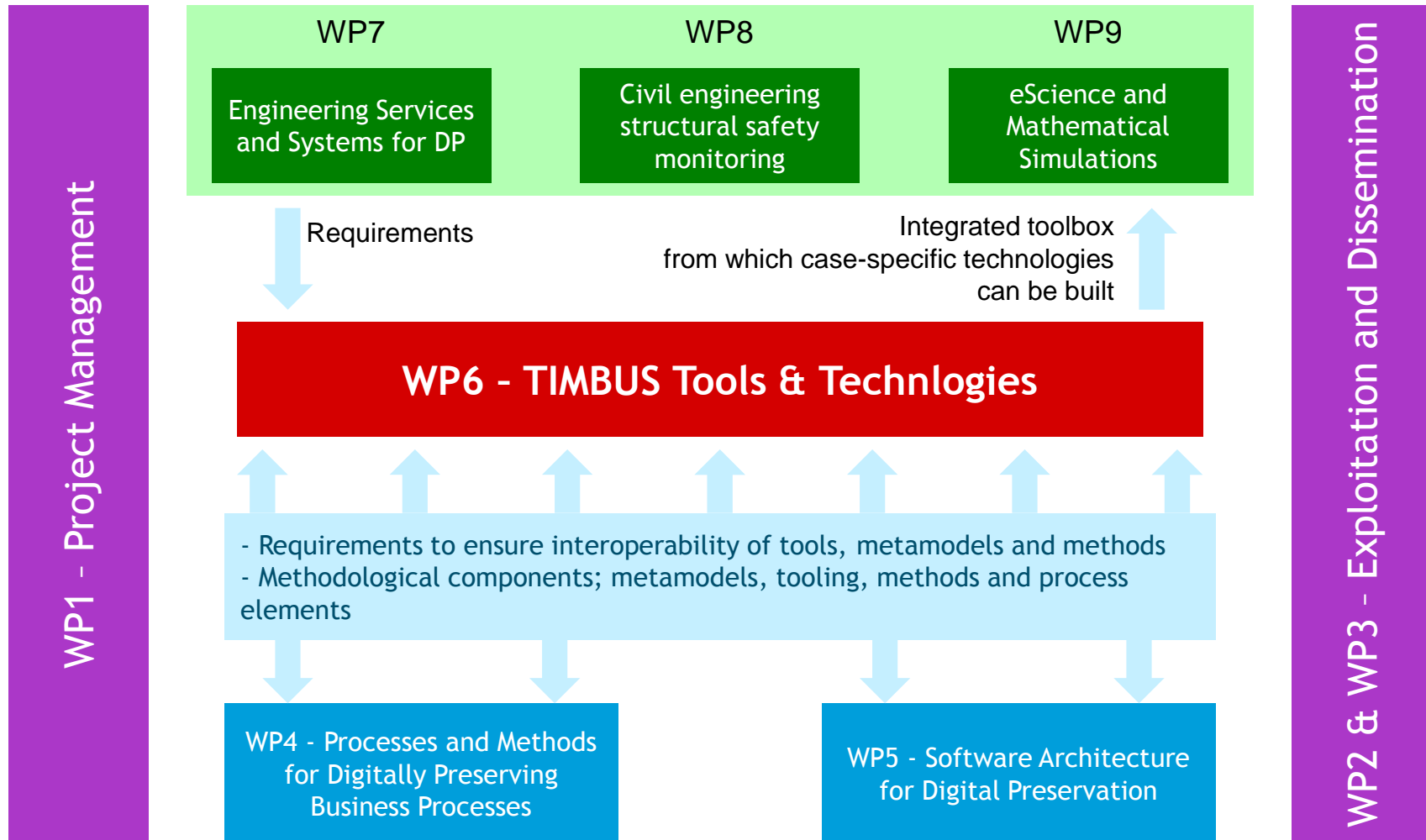


- Planning - risk analysis
  - Service Dependency Analysis
  - Business Process Context Capture
- Preservation - preserve the process
  - Legalities Lifecycle Management
  - Business Process Virtualization and Storage
  - Processes and Standards for DP of Business Processes
- Redeployment - rerun the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



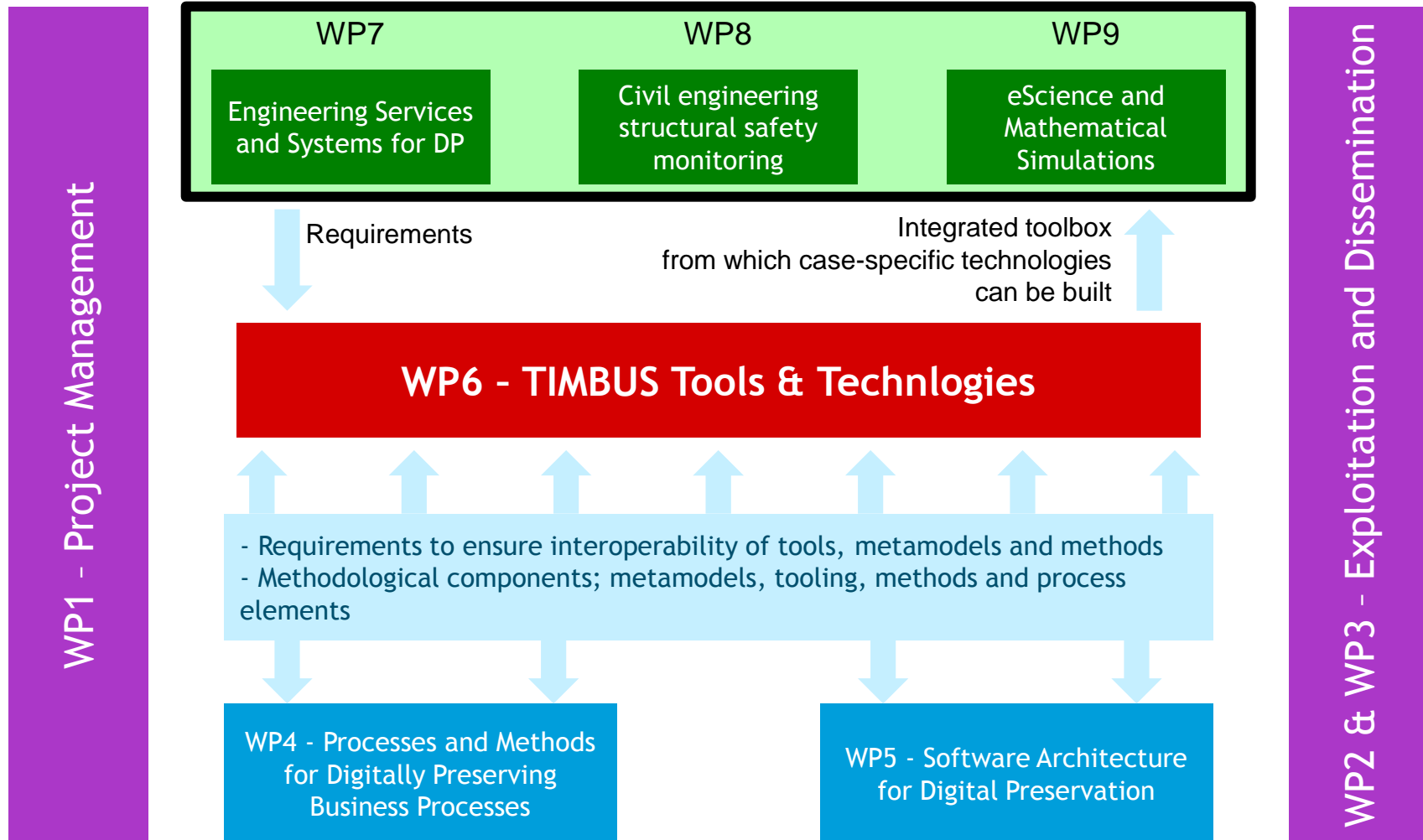
# TIMBUS : Programme Structure

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# TIMBUS : Programme Structure

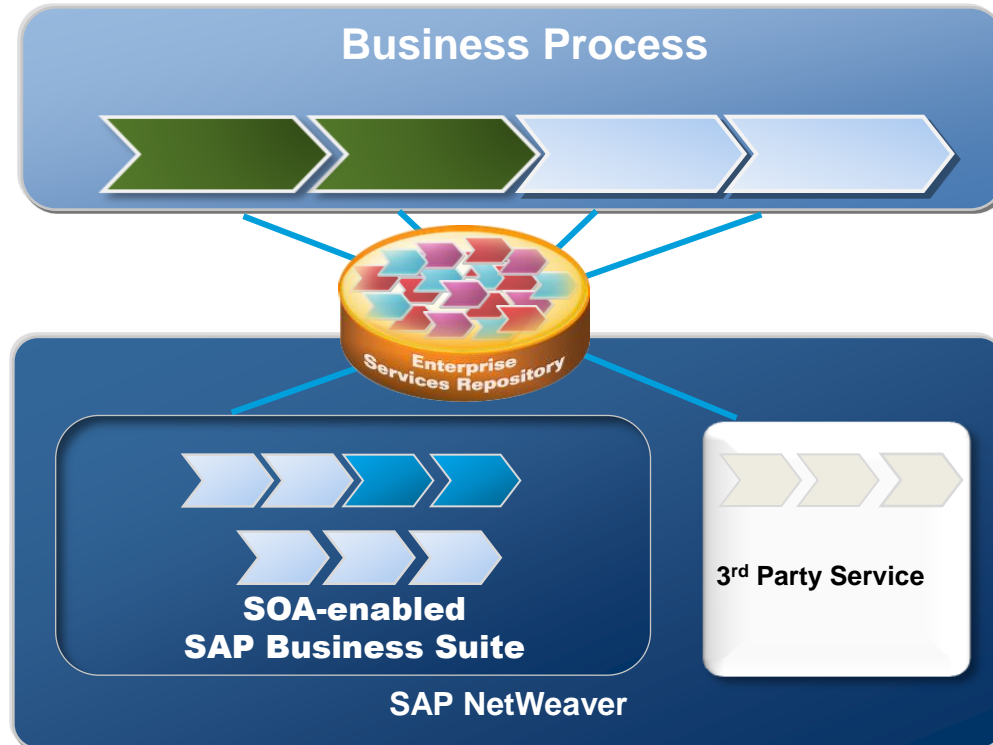
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# TIMBUS : WP7 - SAP Use Case

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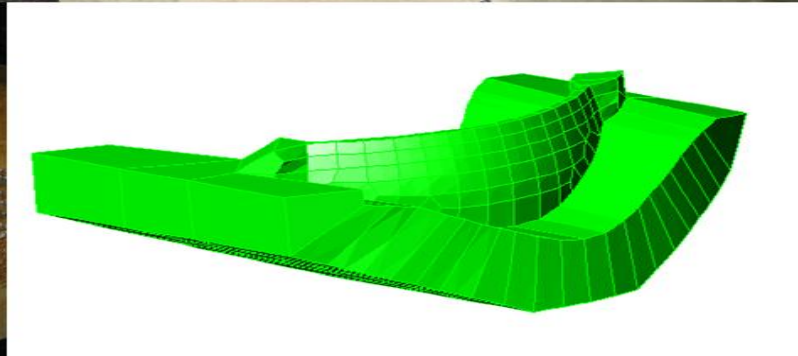
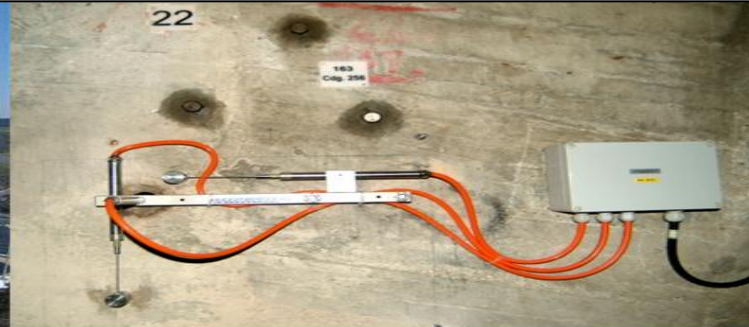
Engineering Services and Systems for DP

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

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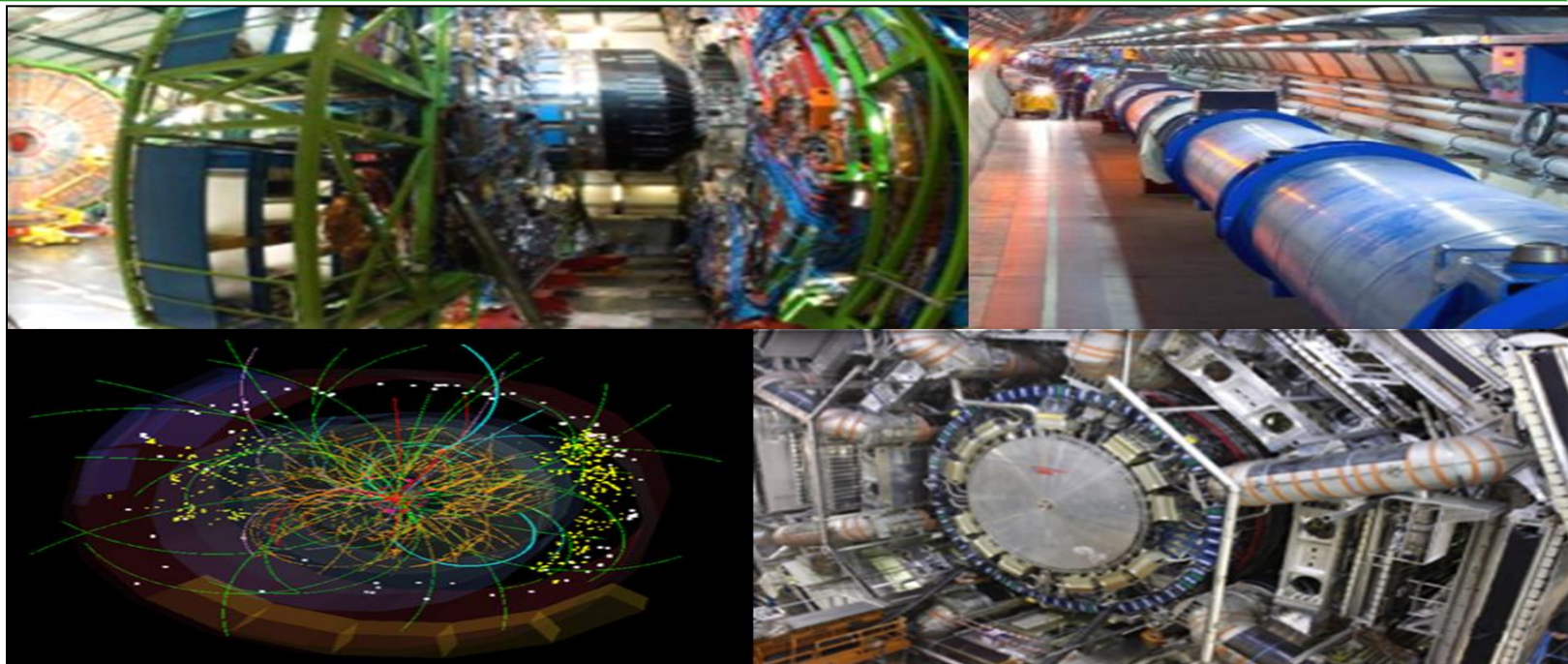
Civil engineering  
structural safety  
monitoring

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.

# TIMBUS : WP9 - LIP Use Case

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## eScience and Mathematical Simulations

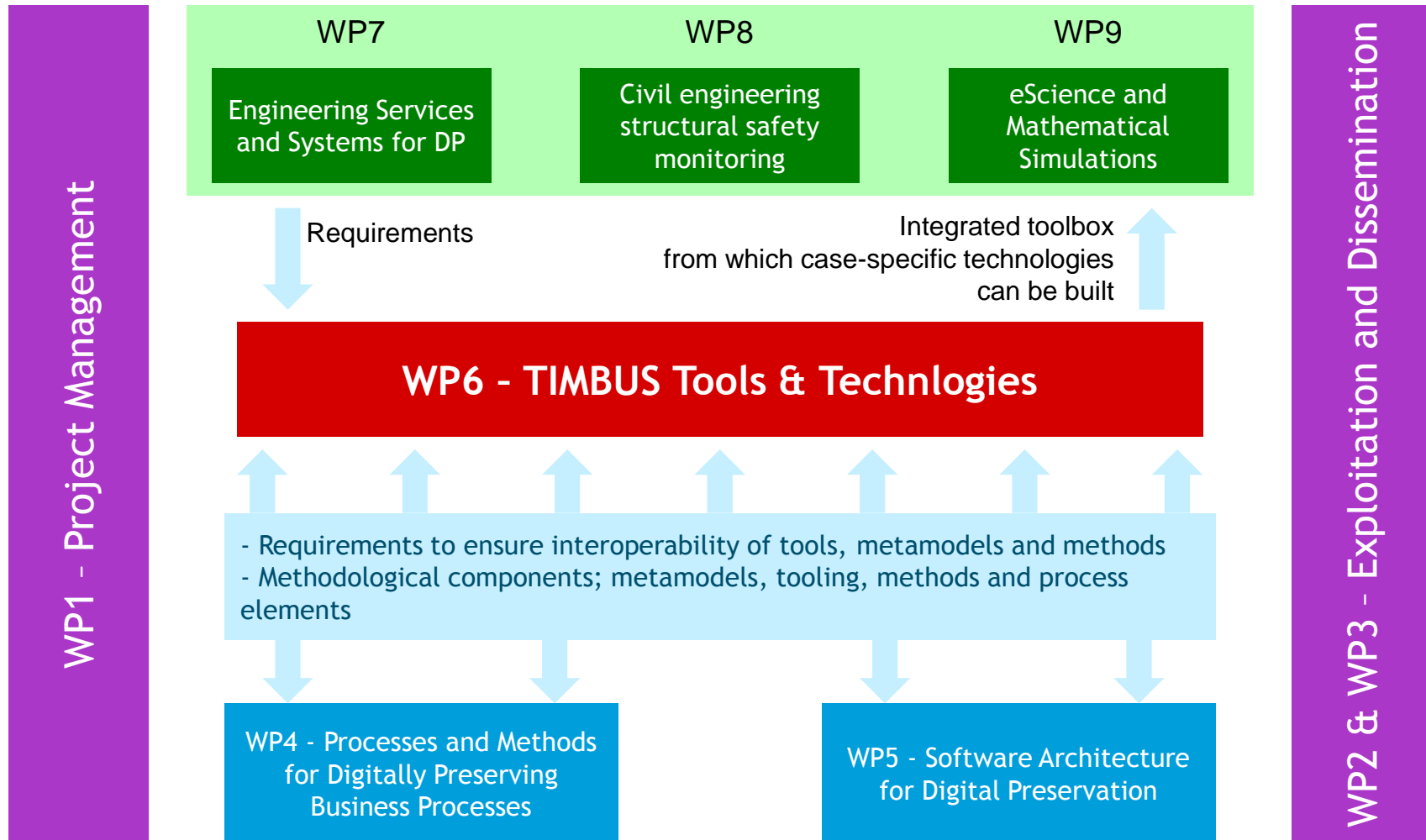
Definition and requirements specification for long-term mathematical simulation and data analysis of large Particle Physics Experiment.

Processes involved in the local analysis of experimental data by researchers

Use case defined and requirements for DP provided

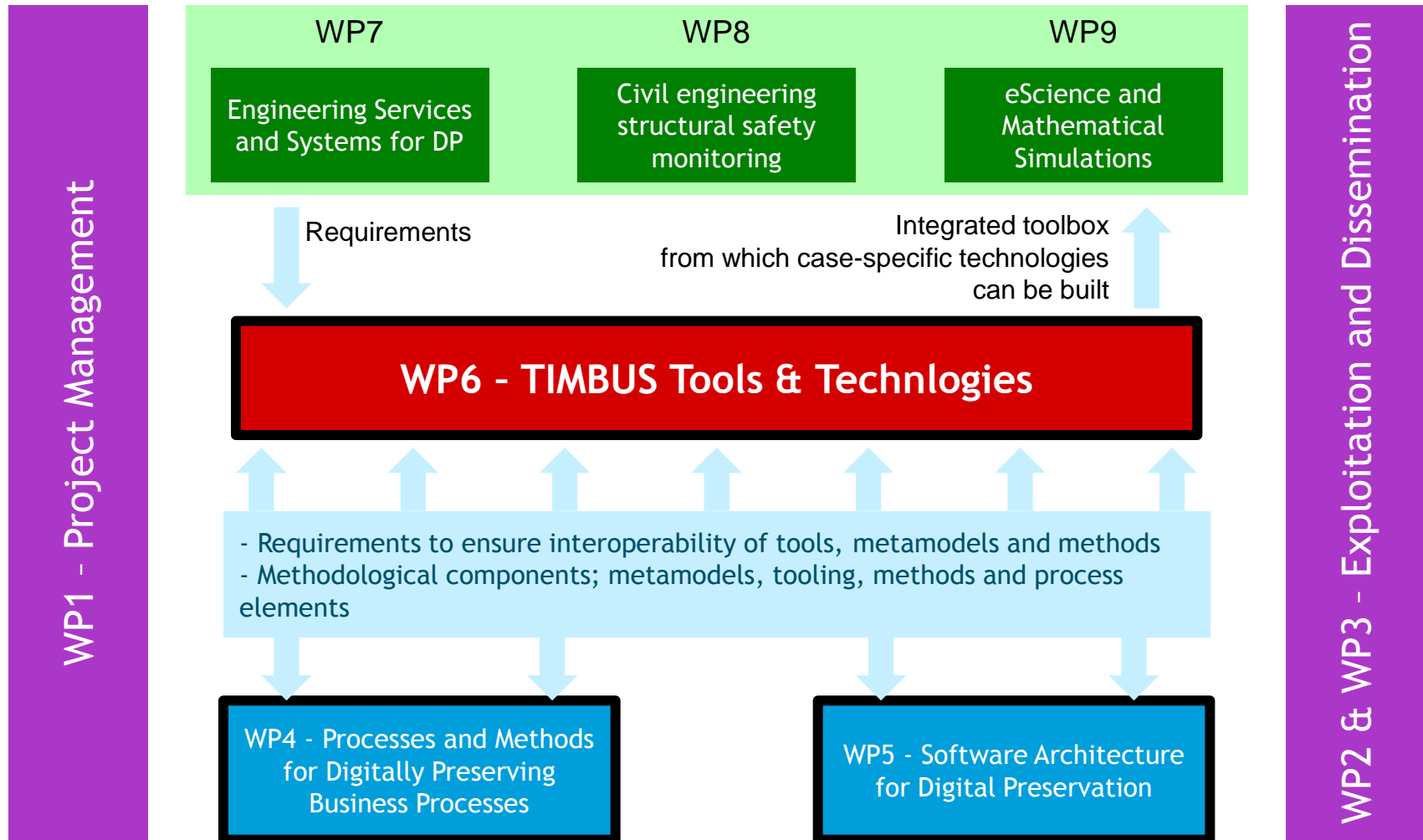
# TIMBUS : Programme Structure

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# TIMBUS : Programme Structure

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# TIMBUS : WP4 - Processes and Methods for Digitally Preserving Business Processes

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- 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).



# TIMBUS : WP6 - Intelligent Tools & Technologies to Support DP of Business Processes

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- 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





## TIMELESS BUSINESS PROCESSES AND SERVICES

Our vision: to bring digital preservation into the realm of Business Continuity Management by developing the activities, processes and tools that ensure long-term continued access to business processes and the underlying software and hardware infrastructure.



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### 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 accessed, properly rendered, validated and transformed into

### LATEST NEWS

#### iPres 2012 Call for Contributions

10 Apr 2012 | 13:02pm

#### Presentation on TIMBUS and Metadata for Preserving Computing Environments

8 Feb 2012 | 11:55am

#### Doctoral or post-doctoral research position in the area of knowledge representation and applied reas

15 Dec 2011 | 14:42pm

<http://timbusproject.net/>

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# Timbus Project

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*Tweeting about the TIMBUS Project, digital preservation and timeless business processes*  
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- Timbus Project** @timbus\_project 2m  
#dpc is delighted to release a new Tech Watch Report, 'Preserving Moving Pictures and Sound': [#timbus bit.ly/IRMQfl](http://bit.ly/IRMQfl)
- Timbus Project** @timbus\_project 25 Apr  
2 #timbus presentations at #iqnite conference to raise awareness for #digitalpreservation needs in the software industry. Great event.
- Timbus Project** @timbus\_project 10 Apr  
RT @williamkilbride: Reg open #DPC Briefing 'Digital Preservation and Digital Resilience', London 21/05 [bit.ly/HGSMER](http://bit.ly/HGSMER) pls rt
- Timbus Project** @timbus\_project 22 Mar  
KEEP emulation framework will interest folks in #APARSEN and #TIMBUS - [bit.ly/GEer1N](http://bit.ly/GEer1N)
- Timbus Project** @timbus\_project 12 Mar  
March issue of #dpc/ #dcc 'What new' just released: [bit.ly/waALqa](http://bit.ly/waALqa)
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member's preview of latest #DPC Tech Watch Report 'Preserving Moving Pictures and Sound': [bit.ly/zWb4o4](http://bit.ly/zWb4o4)



# Thank You

