

The Hanover BI Strategy WPI MQP Final Presentation



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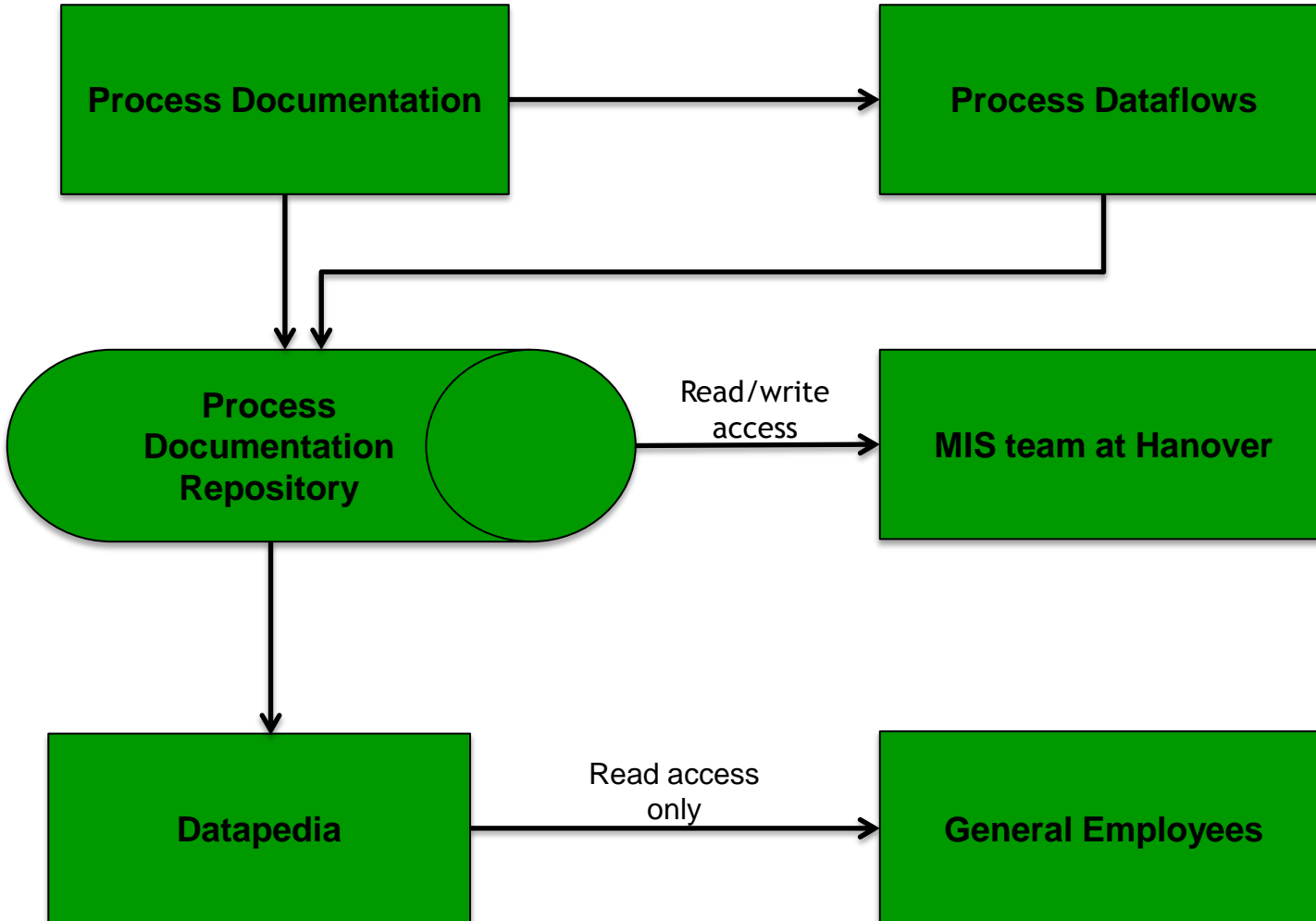
Agenda

1. Business Intelligence Strategy Purpose
2. Project Objectives
3. System Requirements
4. Process Documentation Repository
5. Datapedia
6. Recommendations & Conclusions

Business Intelligence Strategy Purpose

- Identify high impact, value added investments that clearly align and support business priorities
 - Process documentation
- Identify and quantify current business opportunities that have clear efficiency payback
 - Data flows of current procedures
- Portray the business value of simplifying and automating reports creation procedures
 - Prototype of system

Project Objectives



Process Documentation

- 12 Business Process Sessions
- 15 processes documented
- Pre-session Preparation form

Pre-Session Preparation Form

**Business Intelligence Working Group – Business Process Sessions
Pre-Session Preparation**

Business Process Name:

What's produced/output:

-
-

Consumers (number and area(s)):

-
-

Envision self-service? (Y/N):

Players/actors:

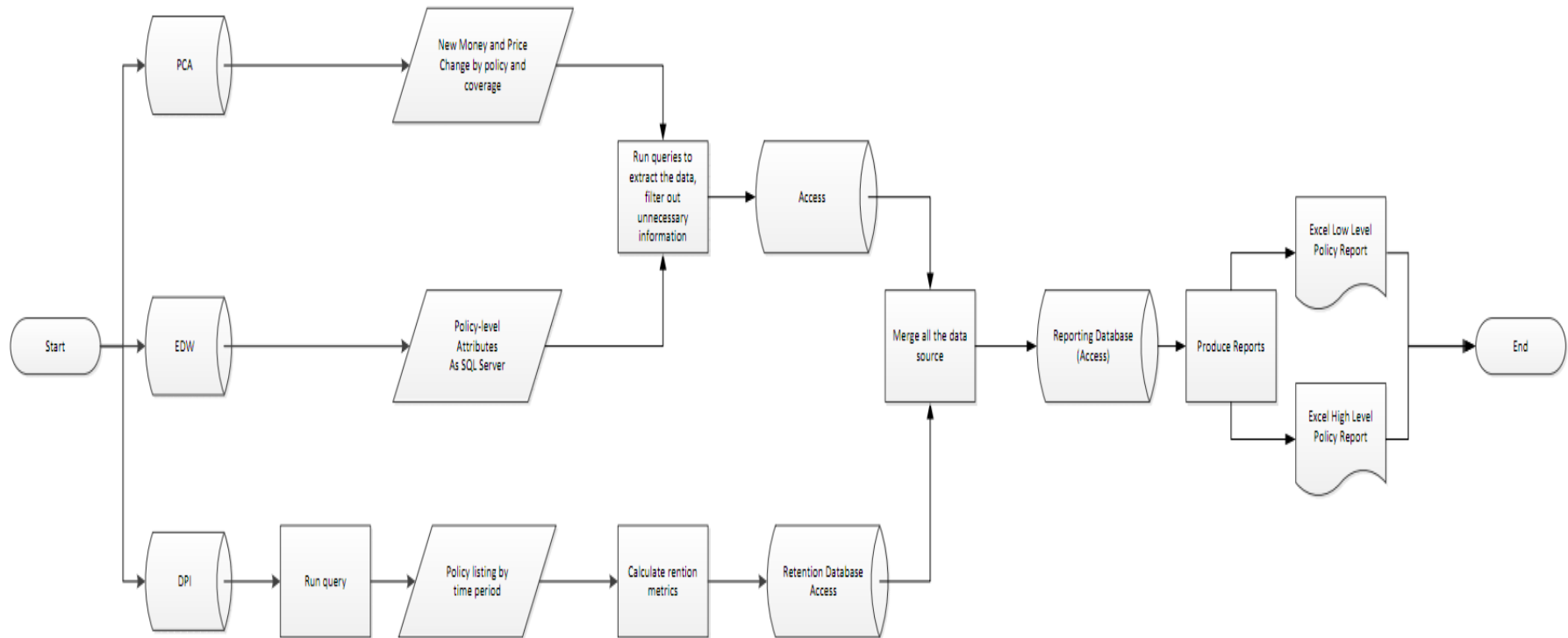
Data Sources / Elements:

Data Source	"Home-Grown"? (Y/N)	Data Element(s)

Process Flows

- Dataflow diagram incorporates procedures to create a report
 - data sources and data manipulation
- Verification by the business user of information once created
- All process flows are located on the BI SharePoint site

Process Flows



System Requirements

Functional

Process-oriented

- System must allow:
 - Easy access to process information, especially during times of change
 - Inputs and outputs of said processes and their reports

Information-Oriented

- System must store
 - Previous data sources for a specific report
 - Where new data sources necessary for a specific report can be found

System Requirements

Non-Functional

Operational

- Search feasibility for process information, company and home-grown sources
- Reporting of basic statistics/metrics based on BI needs

Performance

- The prototype should be tested with data from at 24 documented processes

Security

- Business users outside of the MIS team at Hanover should not have access to the database

Cultural & Political

- The prototype, built in MS Access, should be easy to translate to other environments if necessary

Process Documentation Repository

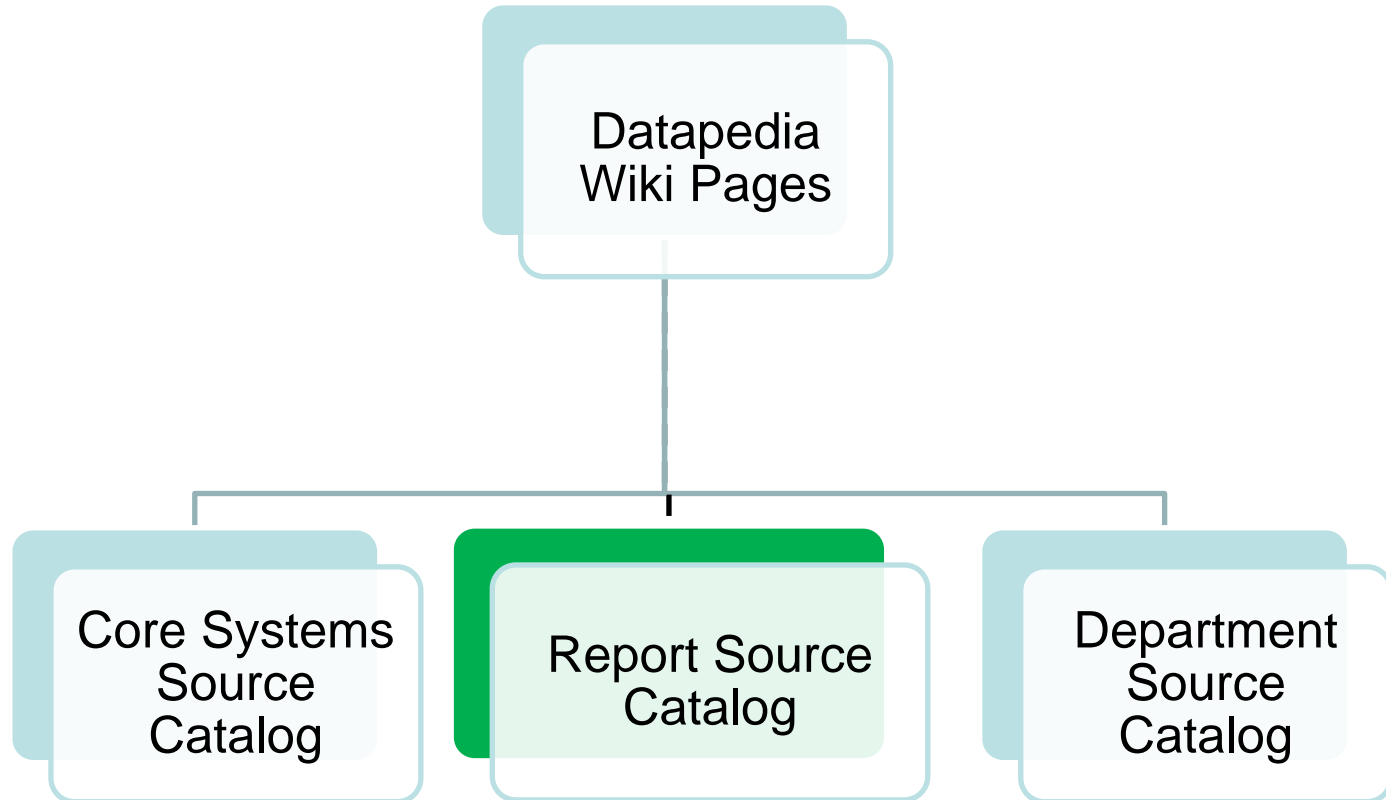
- Business users meetings
- Entity Relationship Diagrams
- Testing and documentation
- Demo



Datapedia

- Contains information about:
 - Main company data sources
 - Department information
 - Technical Report Documentation

Datapedia Structure



Recommendations

- Architecture:
 - Client-server based architecture
 - Server should host the data storage and the data access logic
 - The security of the data
 - The client hosts the application and presentation logic
- Hardware and Software
 - SQL servers

Conclusions

- 15 processes documented
- 9 revised for consistency
- Database Prototype built
 - 24 processes included
- Datapedia Templates for future use

Q & A

Thank You!