SEM and Budget Preparation

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Agenda: SAP's Higher Education Budgeting Solution

1 Introduction: Budget Requirements

2 BW Structure and Content

3 SEM-BPS

4 Position Budgeting

5 Conclusion

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Budget Requirements

Budget Preparation

- Estimates by departments, budget directors
- Consolidation of dept. budgets
- Budget Review
- Budget Submission

Other Requirements

- Controlled access to budget data
- User-friendly interfaces (including web enabled)
- Planning and what-if scenarios
- Position Budget preparation

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Reporting and Postaudit

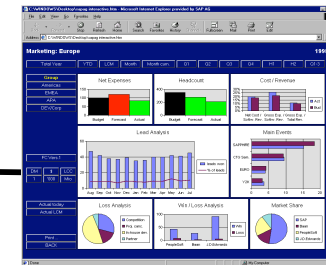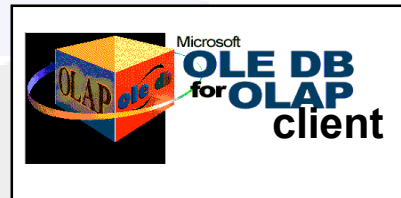- Interim and year-end financial and statistical reporting
- Audits, reviews, proposals

Budget Execution

- Administration of revenues, personnel, purchasing ...
- Accounting

SAP R/3

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BW Technical Architecture

Business Explorer

Web Browser

Microsoft OLE DB for OLAP client

http

API   BAPI   RFC

Administrator Workbench

Business Information Warehouse Server

Metadata Repository

OLAP Processor

Staging Engine

InfoCubes

ODS

BAPI

R/3   File   Non-SAP   R/2   Provider   SAP BW

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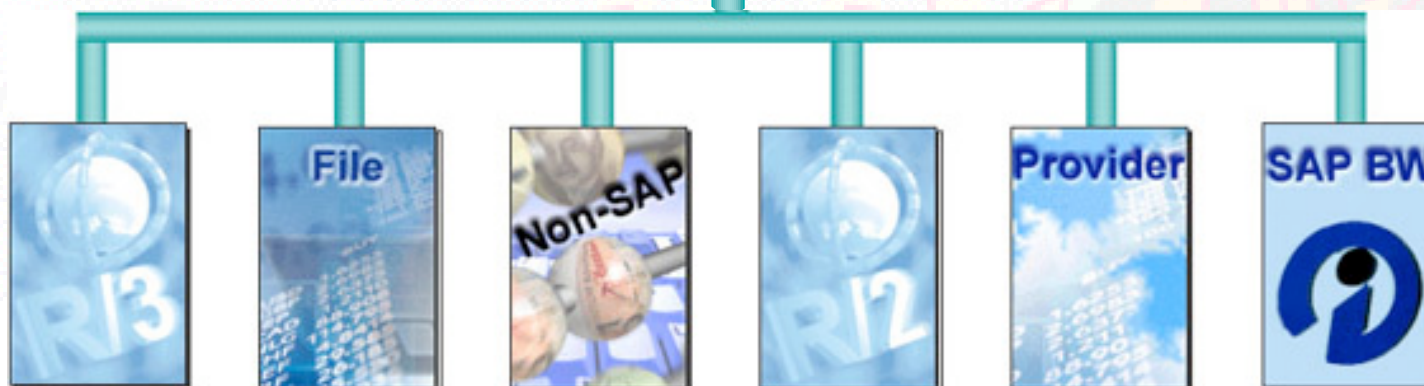
EA-PS Related Extractors and Retractors

■ **Extractors to pull data from R/3**

FM Master Data: Fund, Funds Center, Functional Area, Commitment Item, etc.

HR Master Data: Organizational Unit, Position, etc.

CO Master Data: Cost Center, Order, Project

FM Transaction Data: FM Budget, Commitment, Actuals

Special Ledger Transaction Data: Actuals, etc.

■ **Retractors to post data back to R/3**

FM Budget

PBC Budget

CO/PS Planning

Predefined InfoCube Data Model

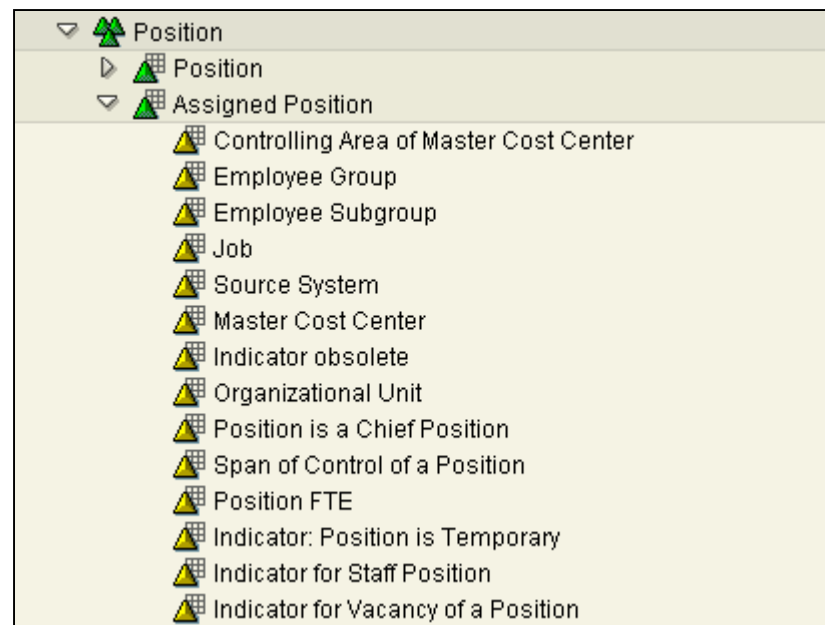| InfoCube data model	Techn.name
▽ 🧊 Commitment Line Items for Position Budgeting and Control	0PSM_C40
▷ 🌲 FM Area, Controlling Area, Funds Center, Cost Center	0PSM_C401
▷ 🌲 Company Code, Chart of Accounts, G/L Account, Commitm. Item	0PSM_C402
▷ 🌲 Funds, Earmarked Fund Category	0PSM_C403
▷ 🌲 Functional Area, 'Completed' Indicator	0PSM_C404
▷ 🌲 Grant, Archiving Indiccator, Details	0PSM_C405
▷ 🌲 Network, Work Breakdown Structure Element	0PSM_C406
▷ 🌲 Order Number	0PSM_C407
▷ 🌲 Employee	0PSM_C408
▷ 🌲 Position	0PSM_C409
▷ 🌲 Item Number	0PSM_C40A
▷ 🌲 Time	0PSM_C40T
▷ 🌲 Data Package	0PSM_C40P
▷ 🌲 Unit	0PSM_C40U
▷ 📁 Key figures	1KYFNM

BW Business Content

Predefined InfoCube Data Model- Add'l Details

What Comprises SAP SEM?

SAP SEM

- Stakeholder Relationship Management (SRM)
- Corporate Performance Monitor (CPM)
- Business Consolidation (BCS)
- Business Planning & Simulation (BPS)
- Business Information Collection (BIC)
- BW
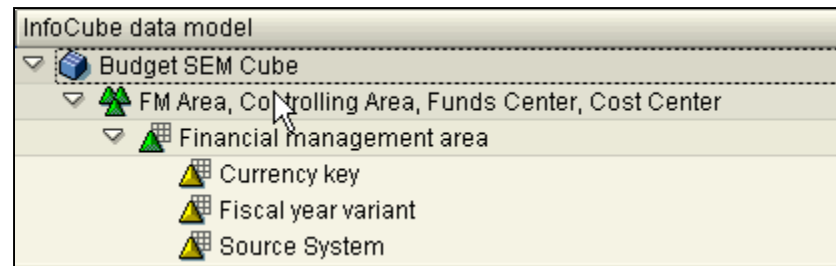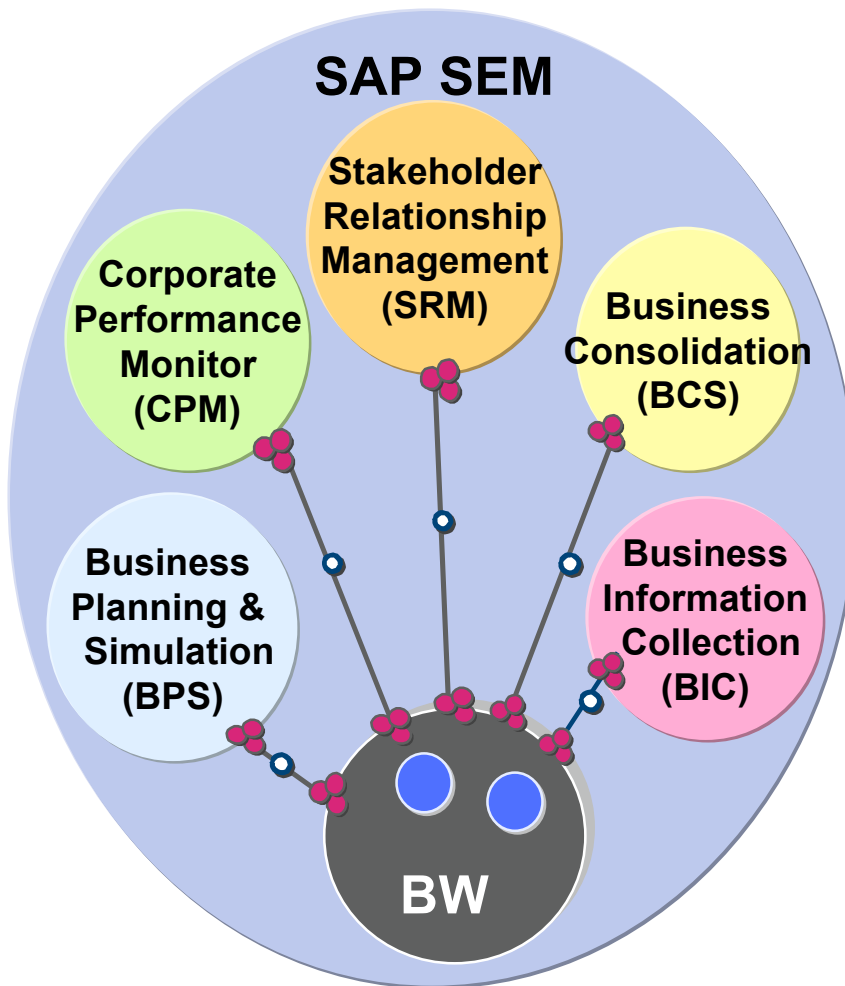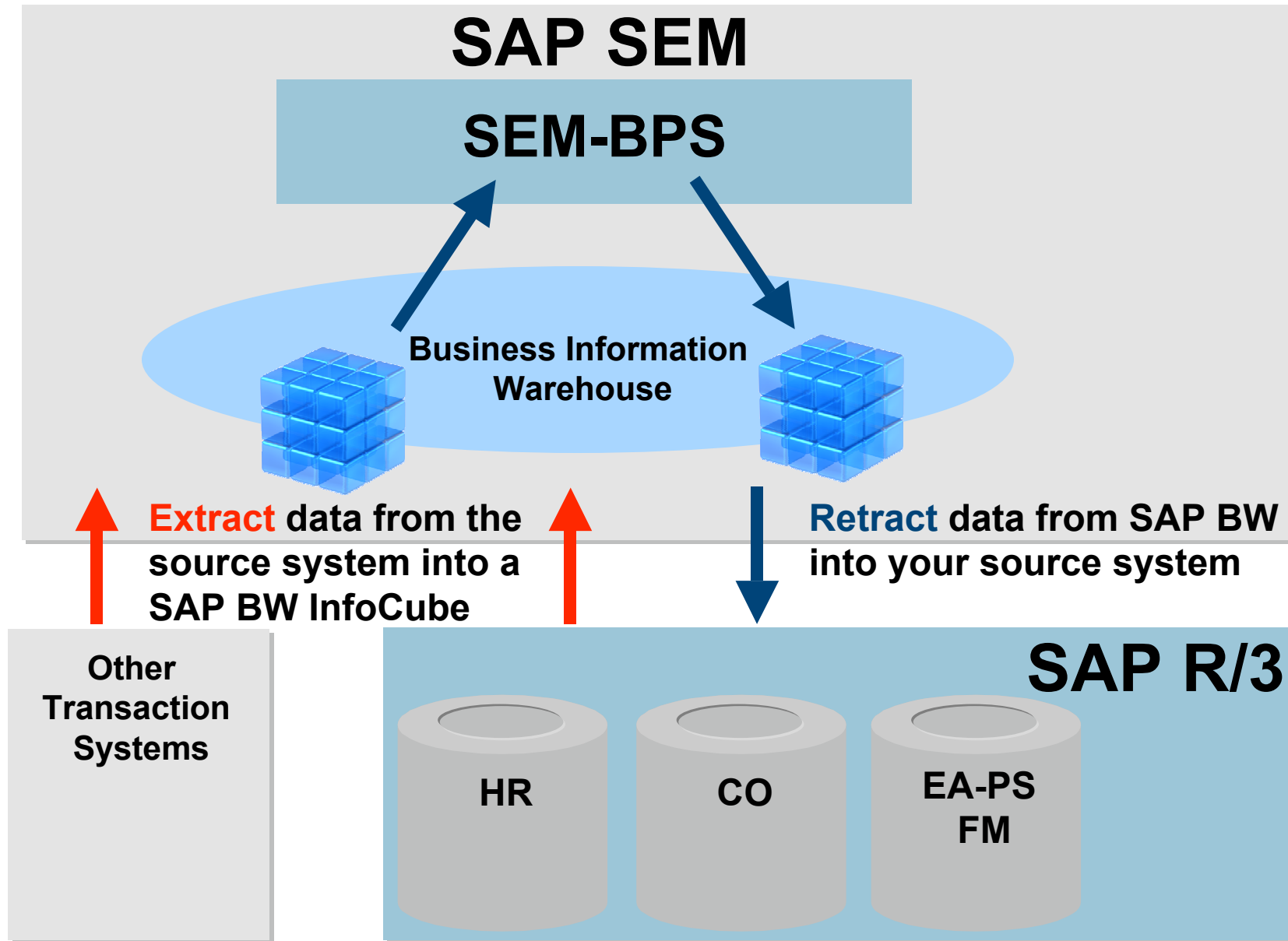
- A suite of analytical applications comprise SEM

- Applications are robust and easy to customize

- Applications integrate with BW and thus SAP R/3

- BPS application can be easily customized for use in Higher Ed budget preparation

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SEM-BPS Technical Structure

SAP SEM

SEM-BPS

Business Information Warehouse

Extract data from the source system into a SAP BW InfoCube

Retract data from SAP BW into your source system

Other Transaction Systems

SAP R/3

HR

CO

EA-PS FM

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SEM-BPS Features

SEM BPS - Business Planning and Simulation

- Refers to BW InfoCubes for characteristics and key figures
- Includes comparative and other relevant data as needed
- Allows manual planning, calculated formulas and interfaces to Microsoft Excel
- User defined filter and selection variables
- Define planning levels, layouts and profiles
- Status Monitor

SEM-BPS Features – Sample Layout

What is Position Budgeting and Control?

- **PBC is the abbreviation for the SAP Position Budgeting and Control module housed within the HR suite of applications**

- **Offers solution that integrates the Human Resource and Financial aspects of Personnel activities**

- **Allows the user to view a breakdown of the Funds Management totals by position**

- **Functions as a sub-ledger to Funds Management**

- **Allows the user to view salary and benefit totals by Funds Center (Department)**

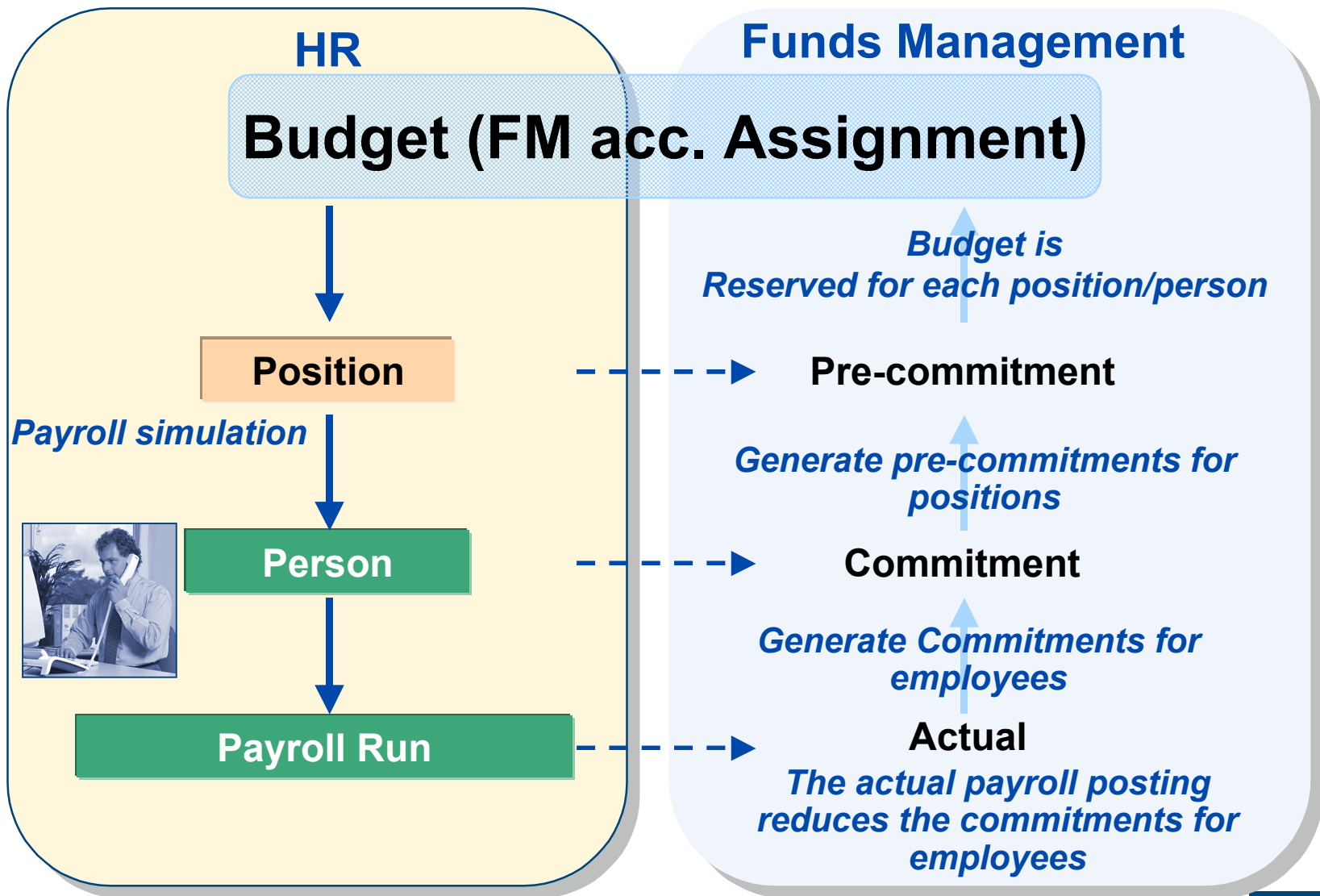**SAP SI**

Position Budgeting and Control Benefits
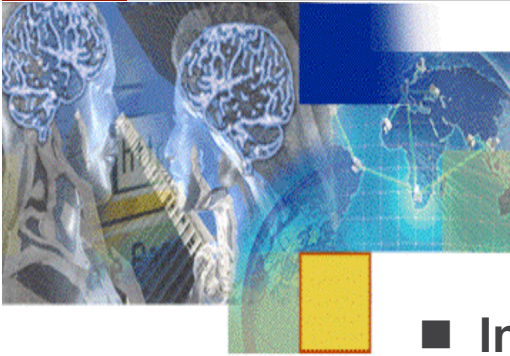
- **Integrates budget for Funds Management and PBC**

- **Brings together the budget required to finance human resources with the management of human resources**

- **Applies FM processes for monetary budget to PBC**

- **Optimizes the assignment of employees and positions to funds by making commitments and actuals visible**

Key Functionality of Position Budgeting and Control

- **Allows multiple employees to be assigned to and financed via a single position**

- **Creates an encumbrance in Funds Management and PBC when a position is financed**

- **Multiple sources can be used to fund a single position**

- **Checks that all persons are financed before payroll is processed**

- **Reduces commitment at each Payroll posting**

- **Provides the option to perform an availability control for both FTE and dollars within customizable tolerance profiles.**

Position Budgeting and Control - Commitments

HR

Budget (FM acc. Assignment)

Position

Payroll simulation

Person

Payroll Run

Funds Management

*Budget is
Reserved for each position/person*

Pre-commitment

Generate pre-commitments for positions

Commitment

Generate Commitments for employees

Actual

The actual payroll posting reduces the commitments for employees

Any Questions?

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