

HERUG 2014

SAP Higher Education & Research

End to End Research Management

Keith Harmon, Industry Business Solutions, Higher Education & Research
April 2014





End to End Research Management

1 Introduction

2 Research Management

- For the Researchers...
- For the Organizations...

3 Q&A / Discussion

Researcher

Collaboration

Environment

Self Services

Employee Name: Job Change:
 From Date: 30/05/2005 To Date: 30/05/2005

Personal Number	Position	Cost Distribution %	Total Salary	Currency
00001005	S0000074	100	6,000	USD

Position	Company Code	Cost Center	VORG Element	Order	Amount	Currency	Cost Distribution %
S0000074	LEUVENES US INC	0000010102			0	USD	0
S0000074	LEUVENES US INC	0000010103			0	USD	0

Collaboration

Research teams by discipline:

- Biomedical sciences
- Humanities
- Natural sciences
- Social Sciences
- Technological sciences

Research projects by discipline:

- Biomedical sciences
- Humanities
- Natural sciences
- Social Sciences
- Technological sciences

Research expertise by discipline:

- Biomedical sciences
- Humanities
- Natural sciences
- Social Sciences
- Technological sciences

Analytics

Grant Overview

Sponsored Program: Sponsored Class:

Critical Grants: Number of expenditures budget below threshold in %

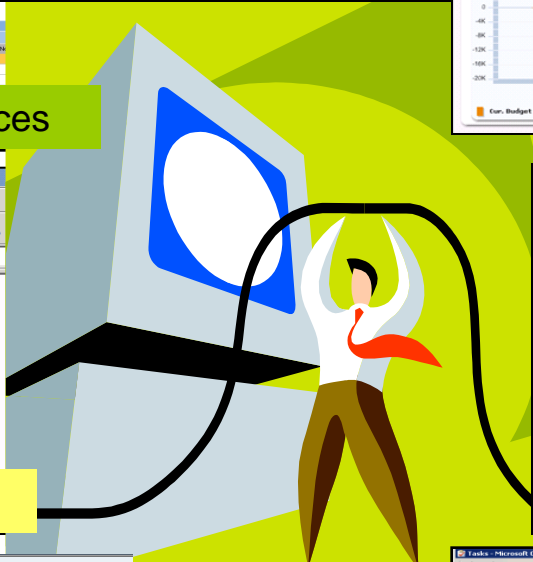
Grant	Closing On	Sponsored Pro	Sponsored Cls	Testifiable	Avail Budget	Avail Budget
Kubhek -1	20050201	PP_PROGRAM	Testifiable	-20,009,933.00	-25,643,094.00	
Kubhek -1	20050201	KOBHEK_PP_PRO	Kubhek Expense	-282,844.70	-2,459,993.90	
Kubhek -1	20050201	KOBHEK_PP_PRO	Kubhek Expenses	-13,212,058.00	-0.32	
	20050201	JC_PROGRAM_C	JC Class Resear	-90,000.00	0.00	
GRANT NUMBER	20040930	OM_4644	Testifiable	-1,000.00	0.00	
	20041231	EDUCATION	Generic Expense	0.00	0.00	

Discovery

PubMed Central (PMC) is the U.S. National Institutes of Health (NIH) free digital archive of biomedical and life sciences journal literature.

Find Articles [Advanced search](#)

Browse PMC journals: [\[A-B\]](#) [\[C-H\]](#) [\[I-M\]](#) [\[N-S\]](#) [\[T-Z\]](#) [\[F\]](#)



Publications

Keyword(s): Search / Help

Search in: CV's Expertises Research teams Research projects Doctoral research project Equipment Cooperations Dutch files English files

Browse the K.U. Leuven research database by scientific domain.

expertises, research equipments and cooperations.

Budgeting

View	Standard	Cost	On Campus	Off Campus	Staff Time	Tot Cost			
Allocated	Personnel Investigator (CA)	Henny Hill	Scale 0	4002 E 4124	Research Scientist	Yes	FTE	50.00	21,003.92
DA	Research Staff					Yes	FTE	100.00	19,307.04
Technical Staff						Yes	FTE	100.00	19,307.04
Class Staff						Yes	FTE	100.00	19,307.04

Assignments

Project	Task	Status	Due Date	% Complete	Category
Research Project 1 (3 Items)	Task 1	Completed	Thu 02/01/2006	100%	Research Project 1
	Task 2	In Progress	Thu 22/02/2006	50%	Research Project 1
	Task 3	In Progress	Fri 22/02/2006	25%	Research Project 1
	Task 4	In Progress	Thu 02/01/2006	10%	Research Project 1
	Task 5	Not Started	Fri 02/02/2006	0%	Research Project 1

Authentication

Ready

1802149

OK Cancel

The “New Normal”



**Economic
Uncertainty**



**Shifting
Priorities**



**Constrained
Resources**

The primary objective is to elevate the **University's ranking** among the top Universities.

Goals

- Minimize the Researcher's administrative work and provide intuitive end to end processes
- Facilitate collaboration within and outside the University
- Support research outcomes and discoveries
- Maximize external sources of funding
- Increase the funding success rate
- Ensure compliance is fulfilled
- Increase visibility of research proposals and projects
- Track Key Performance indicators (KPIs)

End to End Research Management

Sponsored Program Management

- Pre-Award – Proposal Development
 - Post-Award – Project Management
 - Faculty Time & Effort
 - Resource commitments and allocations
 - Collaboration
 - Document Management
 - Publications, Citations
- ✓ Portfolio and Project Management (PPM) – integrated with SAP ERP: Financials, HCM, Procurement, etc..
 - ✓ Grants Management + PPM
 - ✓ Effort Certification & Reporting
 - ✓ Grants Management + Reporting Dashboards
 - ✓ Collaboration (SFSF, PPM)
 - ✓ Integrated in solutions: GM & PPM
 - ✓ Portal + Business Process Platform

Research Management

- Financial management and KPIs
 - Research data management and analysis
 - Research outcomes
- ✓ BOBJ: [Dashboards](#) and Web Intelligence reporting
 - ✓ [HANA](#) & [HANA Enterprise Cloud](#)
 - ✓ BOBJ Predictive Analytics [KXEN](#)
 - ✓ BOBJ Explorer & [Lumira](#)

Administrative Processes

- Compliance
 - Discoveries and commercialization
 - Platform for Research
- ✓ GRC: EHS, Access Control
 - ✓ Intellectual Property Management
 - ✓ HANA

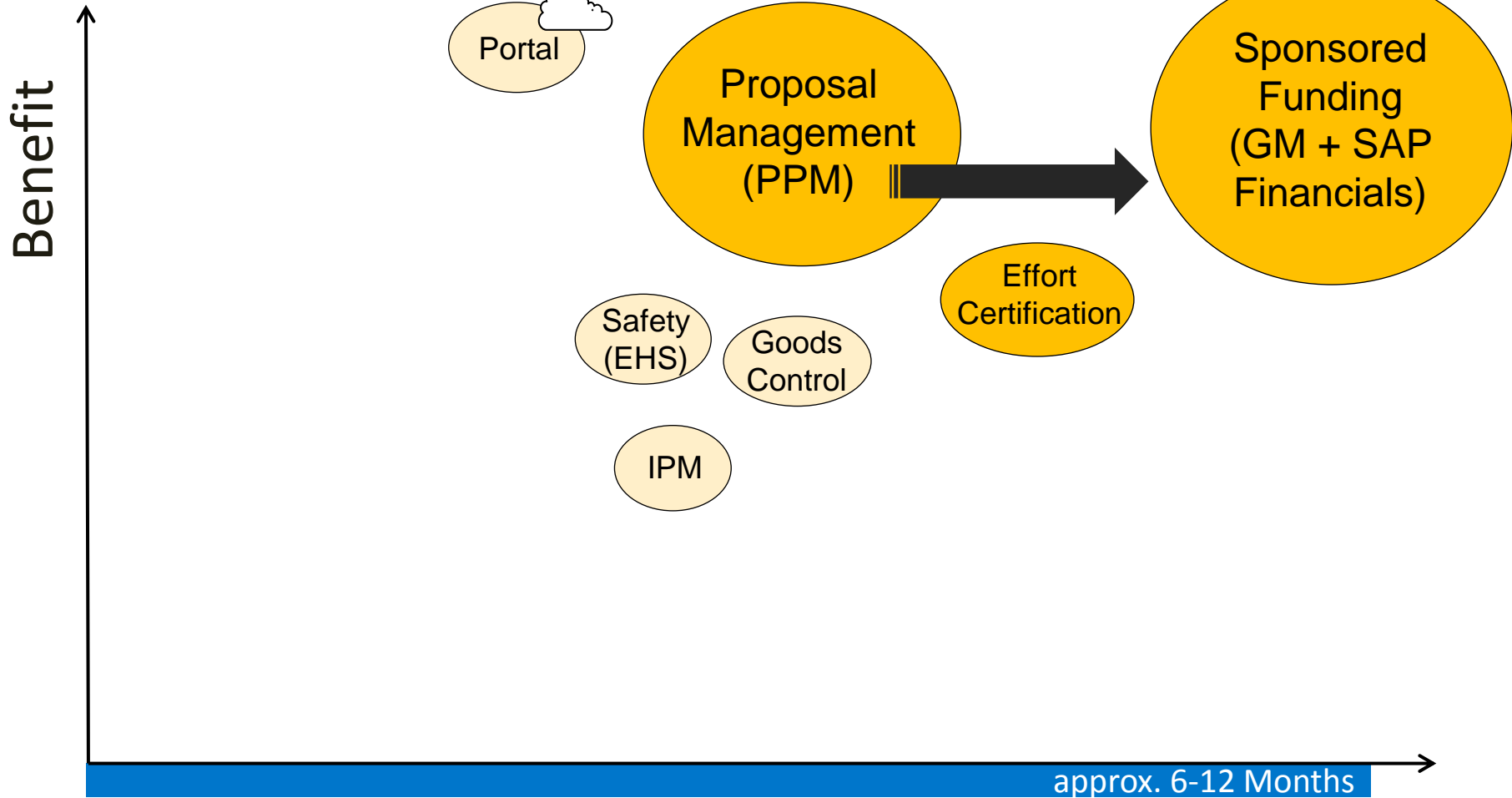
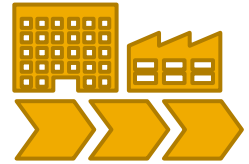
Solutions supporting Researchers

- Portal with Self Services
- Analytics and Reporting solutions
- **Proposal and Project Management, Grants Management, Fundraising Management**
- HANA Platform

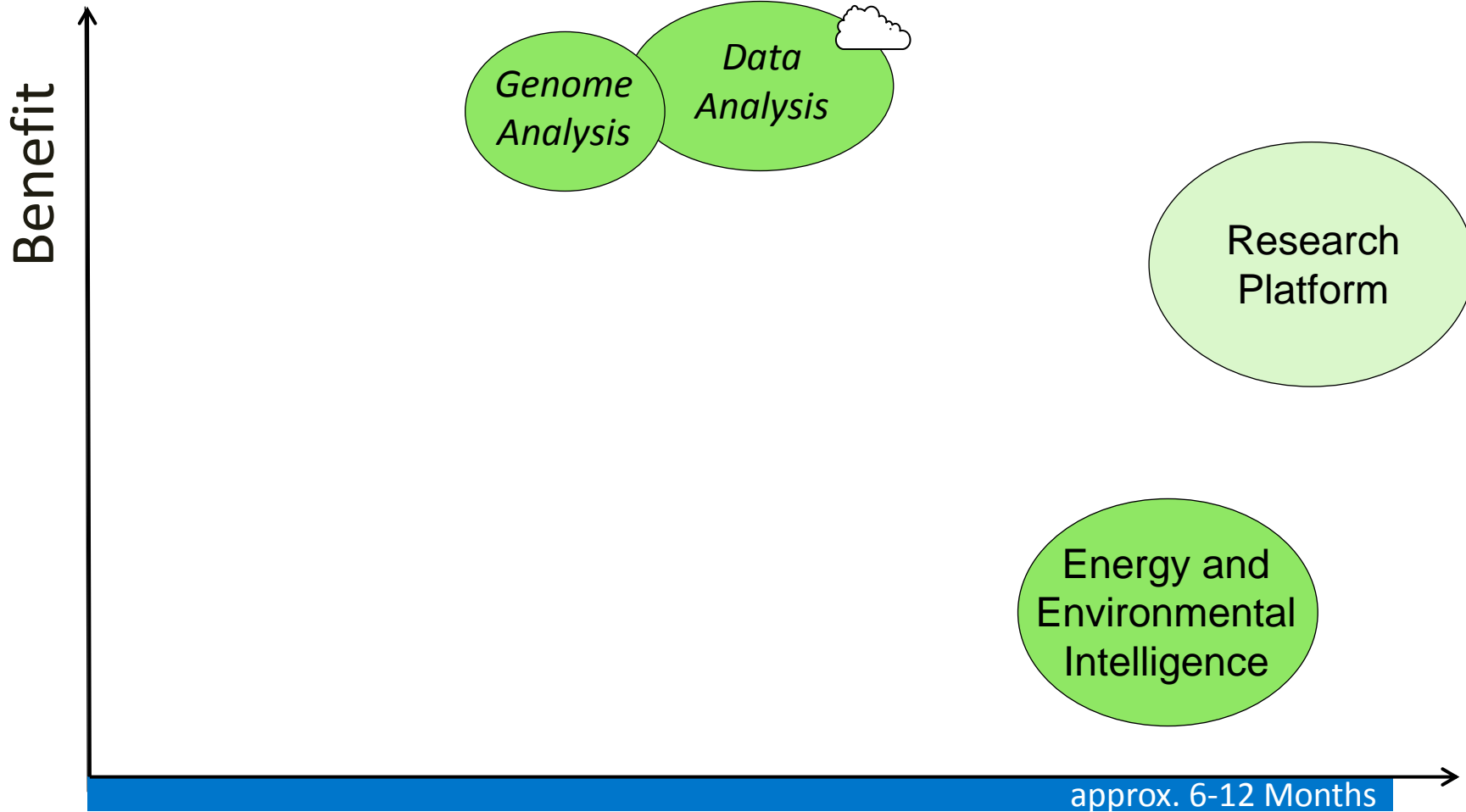
Painpoints:

- ✓ Peace of mind for Sponsor and Internal Compliance
- ✓ Spend less time on Administrative tasks
- ✓ Increase collaboration = reputation = University Brand
- ✓ Need to increase research funding
- ✓ Align Resources and University Priorities
- ✓ Have to search for information needed to complete tasks
- ✓ Cannot easily analyze scientific results

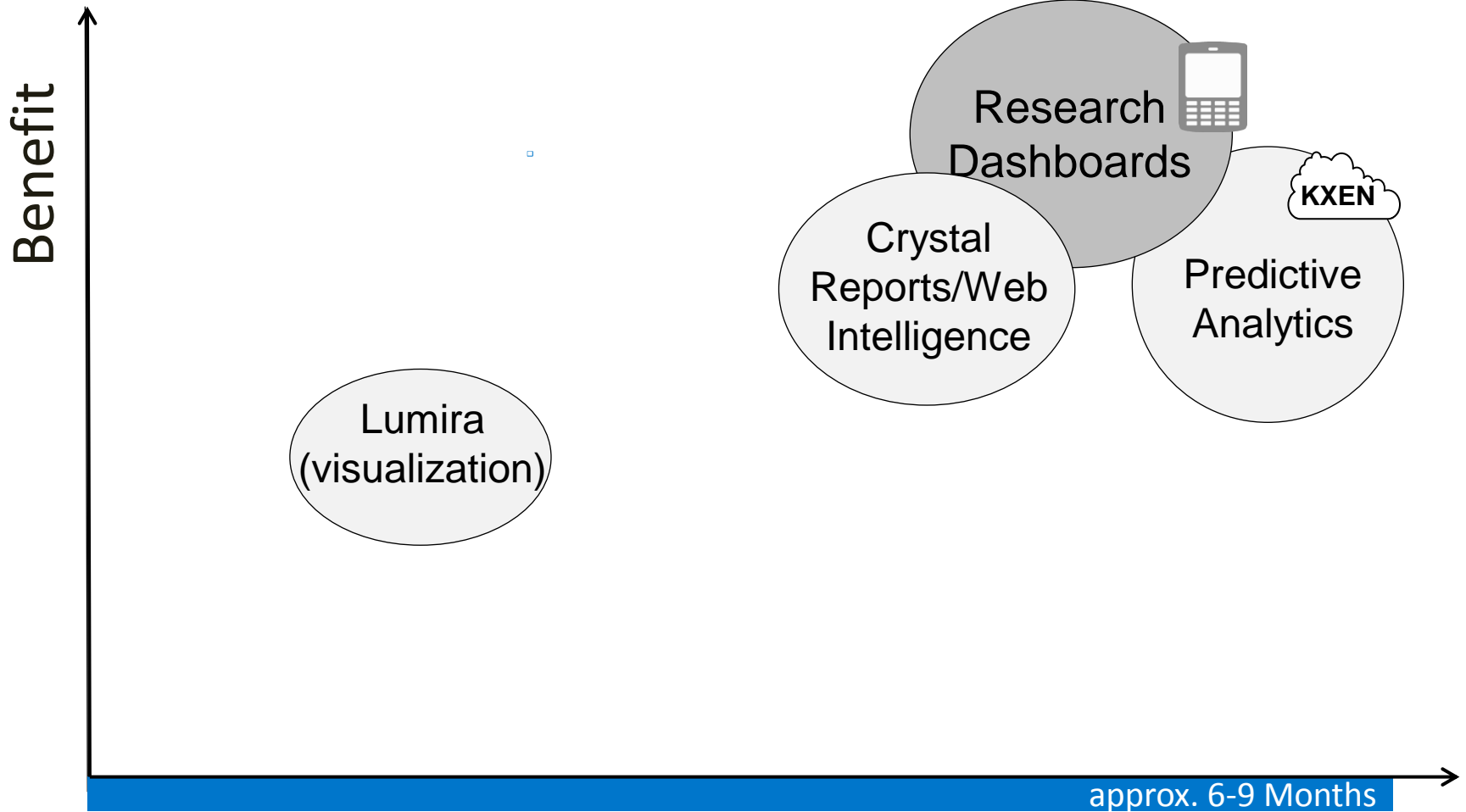
SAP Industry Solutions

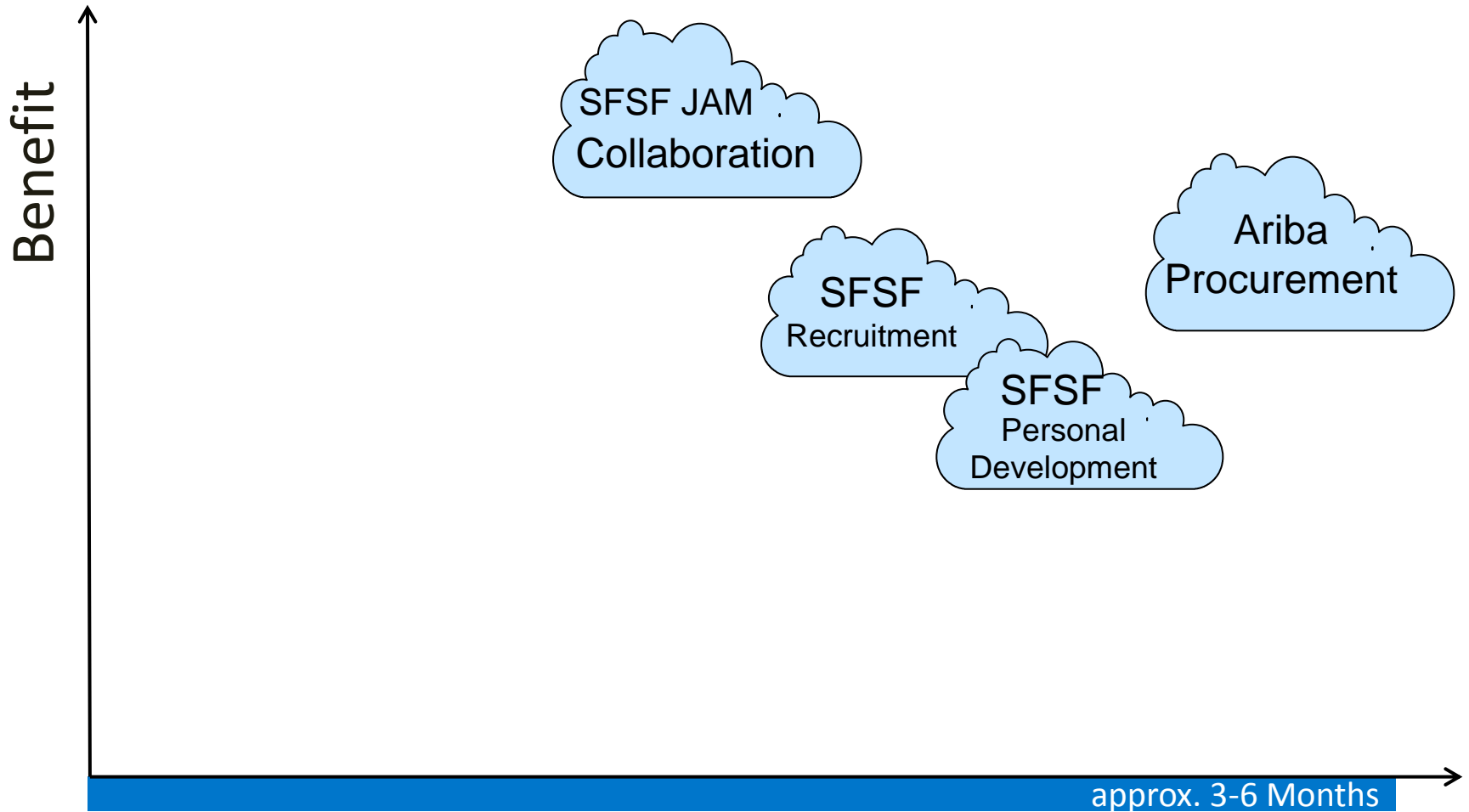


SAP HANA

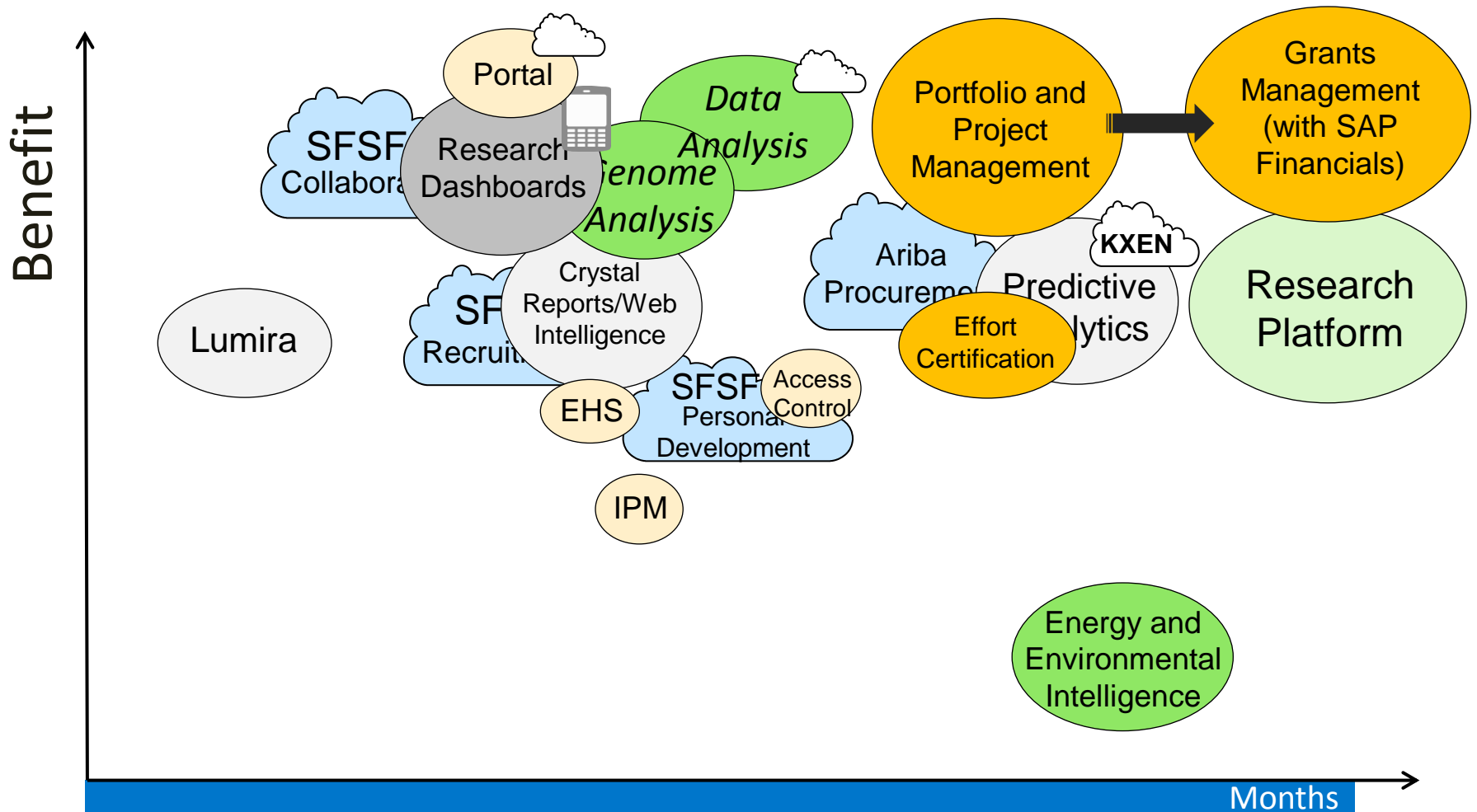


SAP Analytics





SAP's Comprehensive Research Offering





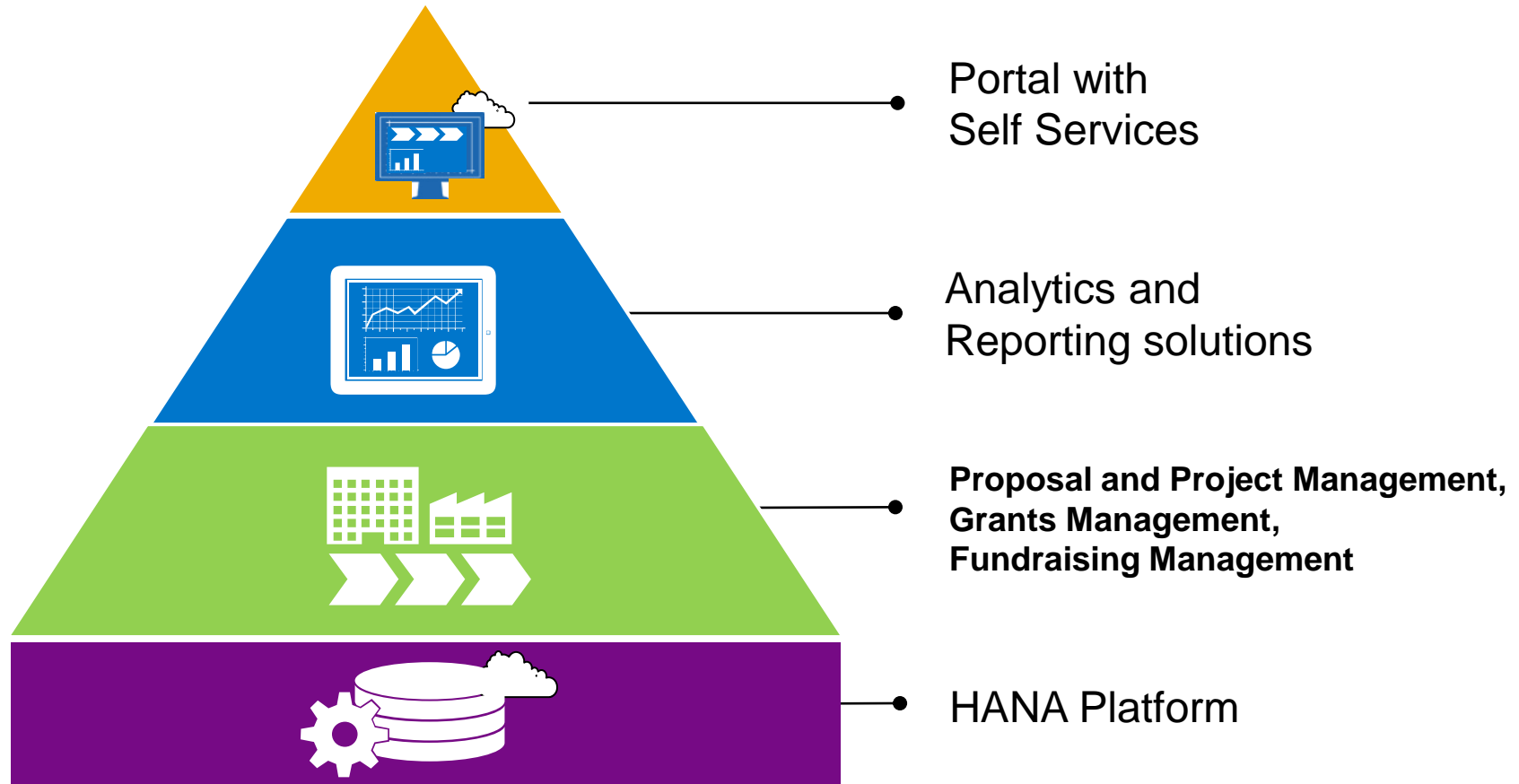
Questions & Discussion

Appendix

SAP Solutions

- BOBJ: [Research Dashboard content](#)
- HANA Enterprise Cloud Portal: [HERUG site](#) and University of the Future Proof of Concept
- [HANA](#) Customer stories. **Engage** Customers with Free trials and **Learn** and **Co-Innovate** HANA Academy MOOC
- [HANA Enterprise Cloud](#)
- [Lumira](#) data visualization made easy
- [Fiori](#) consistent User experience across device (PC, Tablet and Phone)
- [Rapid Deployment Solutions](#) (RDS) to accelerate implementations and lower costs

Solutions supporting Researchers



Painpoints:

- ✓ Peace of mind for Sponsor and Internal Compliance
- ✓ Spend less time on Administrative tasks
- ✓ Increase collaboration = reputation = University Brand
- ✓ Need to increase research funding
- ✓ Align Resources and University Priorities
- ✓ Have to search for information needed to complete tasks
- ✓ Cannot easily analyze scientific results

Traditional Portal with Business Processes

Research Dashboard > Research Dashboard

Personal Profile

[Research Profile\(Key Words\)](#)
[Enter/Review Collaboration Request](#)

Funding Opportunities

[Sponsor/External Projects](#)
[Internal Projects](#)
[Research Proposals](#)

Personal Information

[Curriculum Vitae](#)
[Publications, Citations and Awards](#)

Compliance

[University Policies & Procedures](#)
[Online Training](#)

Project/Grant Status

[Grant Details](#)
[VP for Research](#)
[Record Research Results](#)

Performance Measures(KPIs)

[Funding Rate by Researcher](#)
[Funding Rate by Organizational Unit](#)

Researcher

Investigator: **Principal Investigator** | Project: **All** | Lab: **All** | Researcher: **All**

Budgeted Research Funding Grant Overview Low Budget Only

Account	Description	End Date	Curr Bal	Proj Bal	%	Ind
2189037	5 T32 CA23298-02/05	4/30/2011	2,031	(6,012)	-5%	●
2184414	USDA 421490-07	7/31/2014	12,231	301	1%	●
7708133	FP7 Agricultural research	6/30/2011	23,773	(7,546)	-6%	●
3204901	FP7 Environmental research	6/30/2011	23,773	528	1%	●
2187604	EU Excellence Award	6/30/2011	23,773	(5,246)	-4%	●
3207604	European Reintegration Grant	10/31/2012	34,229	31,383	21%	●
3208118	EU Excellence Award	1/31/2012	30,081	7,960	5%	●
3209037	IDM Strategic Research Program	4/30/2012	42,663	24,932	11%	●
3204414	NIHR 87234-12	7/31/2013	39,238	33,919	18%	●
2188133	European Reintegration Grant	10/31/2012	34,229	31,383	21%	●
2187442	EU Excellence Award	1/31/2012	30,081	7,960	5%	●
2188118	IDM Strategic Research Program	4/30/2012	42,663	24,932	11%	●

Employee Funding Issues Months: 2 | Salary: 80% | Chart Table

Salary=80%; Months=2

Expand Cost Distrib.

Researcher	Funding Percent
Smith, J	40%
Brown, S	60%
Black, T	60%

HANA Enterprise Cloud Portal

University of the future Hello James

- HOME
- EXPLORE US
- STUDENT SERVICES
- COURSES
- REGISTER ONLINE
- MOBILITY
- ONLINE GRADING
- SOCIAL
- RESEARCH FUNDING PROPOSALS
- RESEARCH FUNDING ANALYTICS

Useful Links for Researchers

UoD provides set of online application for researchers. [Go to applications page...](#)

Researcher
Research services to help attain and manage research funding

- [Funding Opportunities](#)
- [Approvals](#)
- [Research Interests \(key words\)](#)
- [Alerts](#)

Highlights

- » When Biology Meets Physics
- » Academic year kicks off with Exciting New Programs
- » Visitors Kit
- » UoD International

Newsroom

- » UoD and CNN co-host live US Election panel
- » 2012-13 Academic year Kicks off with Exciting New Programs
- » UoD students empower youth through community service

Events

October 22 @ 7:00 PM
Class Representatives Elections 2013-2014
Class representatives are your best connection to UoD - your contact to the Faculty and the Student Union

Alerts

- » Grant Proposal approved
- » Effort Certification due 11/30/2013
- » Protocol HS12132 re-newel due 12/15/2103

HERUG conference site runs SAP HANA Enterprise Cloud Portal

The screenshot displays the HERUG 2014 Event website interface. At the top, the logo for HERUG is shown, along with the text "Powered by SAP HANA Cloud Portal" and a "Log On" link. Below the logo are three navigation tabs: "HERUG 2014 Event", "About HERUG", and "Explore Montevideo".

The main content area is divided into several sections:

- HERUG 2014 Event**: A header section with a "Register Now >>" button.
- Event Details**: A section containing a "Welcome to HERUG 2014 Event" message, a description of the event, and the UruguayNatural logo.
- Agenda and Program**: A section with a video player titled "Invitación a la conferencia del SAP HERUG 2014".
- Registration**: A section with a "Register Now >>" button.
- Registered delegates**: A section with a "Register Now >>" button.
- Accommodation**: A section with a "Register Now >>" button.
- Announcements**: A section with text about simultaneous translation services and registration details.
- Tweets**: A section with a tweet from SAPForHigherEd.

The footer of the page includes the text "University of Montevideo" and "Founded in 1986, the Universidad de Montevideo (UM) is a non-profit organization committed to academic excellence," along with a "Follow" button for the Twitter account @SAPForHigherEd.

What does Gartner say...

LICENSED FOR DISTRIBUTION

Gartner.

SAP Hana Cloud Portal Is a Front End for SAP Innovation

28 January 2013 ID: G00246259

Analyst(s): Jim Murphy

▶ VIEW SUMMARY

Overview

Impacts

- SAP Hana Cloud Portal will help organizations meet the next wave of portal demands.
- Hana Cloud Portal puts SAP back on a path toward portal innovation.
- SAP Cloud Portal's lean, agile, evolving quality will require customers to define its scope and role clearly.
- Hana Cloud Portal will play an important role in the transition to the cloud and the broader Hana platform.

Recommendations

- Use Hana Cloud Portal, but only with a governance plan, defining its role and coordinating it with other systems to unify and improve the user experience (UX).
- SAP customers should pilot Hana Cloud Portal as a proving ground for the portal platform as a service (pPaaS) model, new portal standards and mobile scenarios.
- All organizations — SAP customers or not — must examine how their portals will exploit and interact with cloud-based services.
- Current NetWeaver Portal customers should define Hana Cloud Portal's relative role and determine the optimal means of integration between the two.

Analysis

This document was revised on 23 April 2013. The document you are viewing is the corrected version. For more information, see the [Corrections](#) page on gartner.com.

“SAP HANA Cloud Portal will have significant impacts for customers trying to improve portal agility, performance, relevance and access to business applications.”

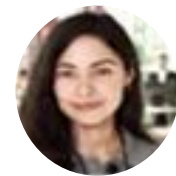
Proposal Development Business Process



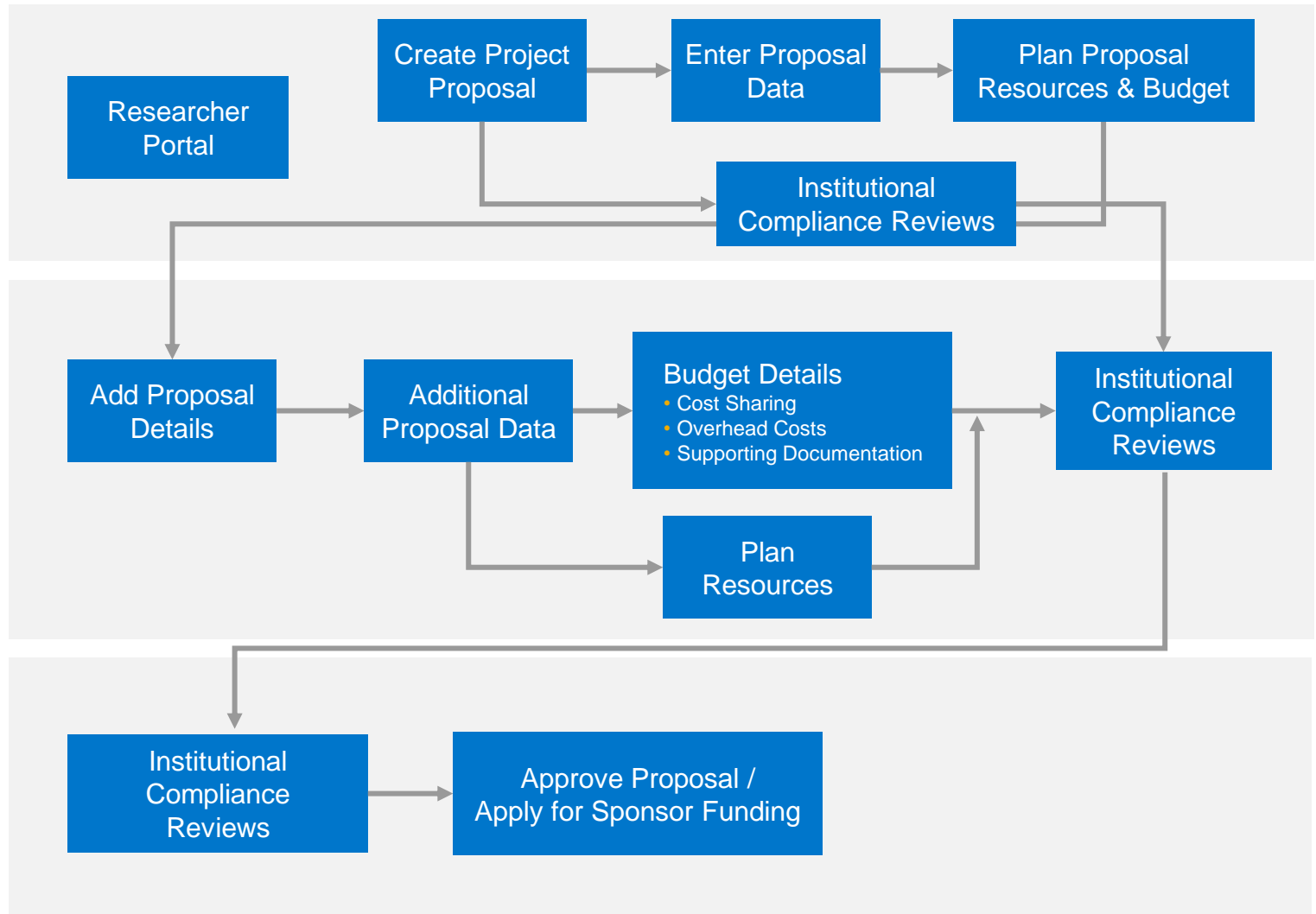
RESEARCHER



ADMINISTRATOR



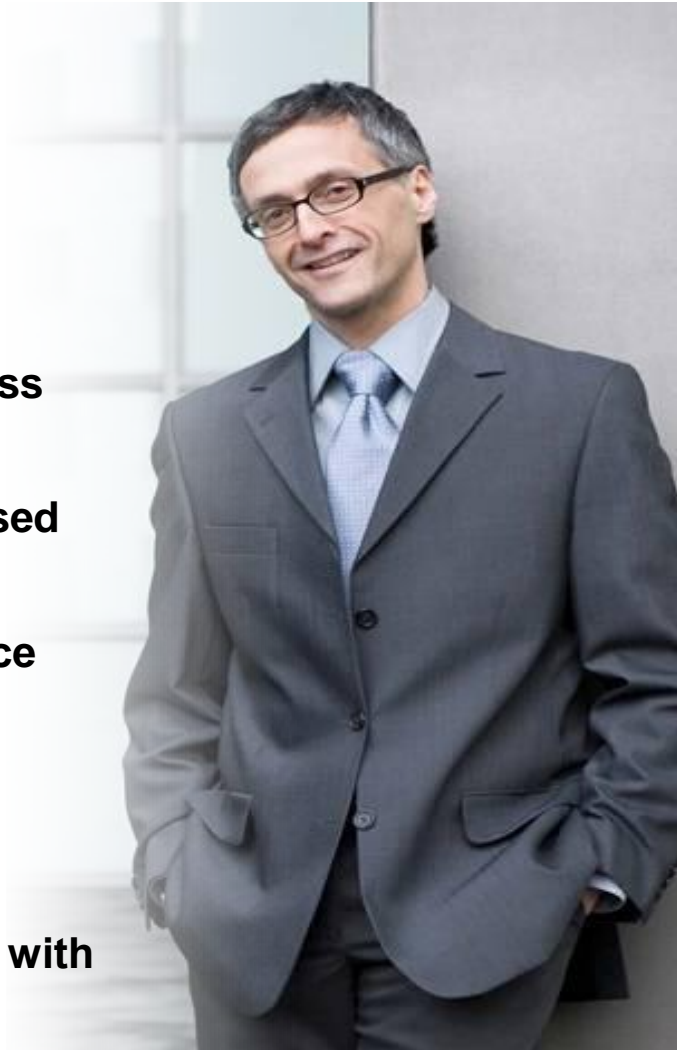
DIRECTOR
Sponsored
Programs



Proposal Development using SAP Portfolio and Project Management (PPM)

Key Takeaways

- Streamline the proposal development process
- Reduce time to create proposals and funding requests
- Provide all proposal information in one central system
- Organize the processes in a logical and intuitive process flows
- Provide budget templates and calculation methods based on the Sponsor's rules
- Facilitate collaboration among the Researchers, Finance and the Research office
- Automate the reviews and approvals
- Consolidate the financial aspects of the proposal
- Increased transparency of Research proposals... align with Organizational priorities... assess Financial Impact



Proposal and Project Overview

SAP Business Client Log Off

Portfolio Management | My Portfolio Objects | Project Management | Resource Management | Portfolio and Project Administration | GM | Grants Management | Research Dashboard

Overview | Reports

Portfolio Management > Overview > Portfolio Items

Portfolio Education and Research

Switch Portfolio | Switch Hierarchy/Bucket | Portfolio Details | Search

All Items | Active Items | Active Proposals | Active Escalations | Inactive Items

View: Administrator | Print Version | Export | Proposal | Mass Update | Delete | Move To | Advanced Filter | Clear Filter | Reporting | SAP BusinessObjects Explorer | Delete Filter | Settings

Name	Bucket Name	ID	Planned Start	Planned Finish	Type	Budget Status	Schedule Status	Staffing Status	Decision Point Name	Decision Point Status
Pub-Sub IoT Infrastr...	Professor B. Smith	X-00275	08/01/2014	01/31/2016	Grants Project	■	■	■	Proposal	Researcher Proposa...
Acting: the ecology ...	Virology	X-00276	02/01/2014	07/31/2014		■	■	■	Proposal	Researcher Proposa...
City University demo...	Medicine	X-00271	01/01/2013	12/31/2015		■	■	■	Proposal	Researcher Proposa...
Higher Ed Project	Biochemistry	X-00152	02/01/2013	01/31/2015		■	■	■	Proposal	Proposal Routing to ...
Clinical Research Pr...	Biochemistry	X-00268	03/01/2013	02/01/2016		■	■	■	Proposal	Proposal Routing for...
Hematois study	Medicine	X-00230	09/01/2011	08/31/2017		■	■	■	Proposal	Proposal Routing for...
Clinical Trial	Medicine	X-00234	01/01/2013	12/31/2015		■	■	■	Proposal	Created
Anesthesiology test	Professor B. Smith	X-00231	01/01/2014	12/31/2016		■	■	■	Proposal	Proposal Routing to ...
Purdue Univ Propos...	Professor B. Smith	X-00229	08/01/2013	07/31/2014		■	■	■	Proposal	Researcher Proposa...
Purdue Univ proposl 2	Professor B. Smith	X-00228	08/01/2013	07/31/2018		■	■	■	Proposal	Researcher Proposa...

Last Refresh: 11/21/2013 01:16:48 EST [Refresh](#)

Proposal Master Data

Item: Research Proposal_2 [Help](#)

Education and Research > Basic Research > Virology > Research Proposal_2

X-00297 | Called From Portfolio 教育和研究 | ID X-00297 | Name Research Proposal_2 | Type Grants Project | Budget Status | Schedule Status | Staffing Status

[Proposal](#) → [Application](#) → [Submit to Sponsor](#) → [Sponsor Funded Project](#)

No Messages - [Display Message Log](#)

[Save](#) [Close](#) [Read Only](#) [Refresh](#) [Project](#) [Proposal Budget](#) [Approvers List](#) [View Routing Sheet](#) [Reporting Cockpit](#) [Grant Budget](#) [Proposal Budget KAUST](#)

You can also

[Overview](#) | [Phases and Decisions](#) | [Deliverables](#) | [Relationships](#) | [Documents and Notes](#) | [Miscellaneous](#) | [Custom Component](#)

[General Information](#) | [test](#) | [Classification](#) | [Financial Information](#) | [Capacity Information](#) | [Budget Justification](#)

Help

Key Information

Name: * ID:

Status: Type:

Initiative Name:

Description: [Upload Image](#)

Escalation:

Dates

Planned Start/Finish: * /

Days Left Until Finish: Days Left Until Next Decision:

BUDGET INFORMATION

Deadline for Submission:

Exception:

PI Name: Total Budget:

Sponsor Name: Last Approver Name:

GM Sponsor: [Advanced Search](#)

Questionnaire

Personnel Assessment: [Questionnaire](#) Institutional Compliance: [Questionnaire](#)

Sponsor administrative guidelines: [Questionnaire](#)

Integration with SAP
Grants Management

Proposal Budget – Personnel

Header Data

ORS #: PI Name:
 Project Title: Start Date: End Date: Duration:
 Calculation Method: Inflationary Rate: Sponsor Name: Total Budget:

-

-

View: [Standard View] Filter Settings

Directly	Category	Resource Name	Grade	Point	Role	On Campus	Unit	Staff Time 1	Tot Cost 1
				0000				0.00	0.00
▲								0.00	0.00
Allocated	Principal Investigator (DA)	Harry Hill	Grade 6	40(D) E 40,834	Research Scientist/ ...	Yes	FTE	50.00	21,603.92
▲	DA							50.00	21,603.92
Incurred	Research Staff			0000		Yes	FTE	100.00	19,007.04
Incurred	Technical Staff			0000		Yes	FTE	100.00	19,007.04
Incurred	Clerical Staff			0000		Yes	FTE	100.00	19,007.04
▲	DI							300.00	57,021.12
▲								350.00	78,625.04

Filter Settings

Staff Time 2	Tot Cost 2	Total Time	Total Cost
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
50.00	10,616.84	100.00	32,220.76
50.00	10,616.84	100.00	32,220.76
0.00	0.00	100.00	19,007.04
0.00	0.00	100.00	19,007.04
0.00	0.00	100.00	19,007.04
0.00	0.00	300.00	57,021.12
50.00	10,616.84	400.00	89,241.88

Proposal Budget – Other Costs

Header Data

ORS #: PI Name:
 Project Title: Start Date: End Date: Duration:
 Calculation Method: Inflationary Rate: Sponsor Name: Total Budget:

Directly	Cost Category	Category	Full Economic Cost
Incurring	Other directly incurred cost	Vehicle purchase/hire/running costs	0.00
Incurring	Other directly incurred cost	Academic fees (fees outside City University only)	0.00
Incurring	Other directly incurred cost	Telephone and fax charges	0.00
Incurring	Other directly incurred cost	Postage	0.00
Incurring	Other directly incurred cost	Printing	0.00
Incurring	Other directly incurred cost	Stationery, photocopying etc	0.00
Incurring	Other directly incurred cost	Hospitality	0.00
Incurring	Other directly incurred cost	Other: please specify	2,000.00
Incurring	Other directly incurred cost	Direct payment to academic staff	0.00
▲ DI			* 44,000.00
Allocated	Staff	Investigators from other institutions (DA)	10,000.00
Allocated	Estates costs	For Investigators from other institutions	2,000.00
Allocated	Other allocated costs	Use of facilities (e.g. wind tunnels)	0.00
▲ DA			* 12,000.00
Ind Cost	Indirect Costs	For Investigators from other institutions	3,000.00
▲ IC			* 3,000.00
▲			* * 59,000.00

Proposal Budget Justification

Item: Research Proposal_2 [Help](#)

[Education and Research](#) > [Basic Research](#) > [Virology](#) > Research Proposal_2

X-00297 | Called From: Portfolio 教育和研究 | ID: X-00297 | Name: Research Proposal_2 | Type: Grants Project | Budget Status: | Schedule Status: | Staffing Status:

[Proposal](#) [Application](#) [Submit to Sponsor](#) [Sponsor Funded Project](#)

No Messages - [Display Message Log](#)

[Save](#) [Close](#) [Read Only](#) [Refresh](#) [Project](#) [Proposal Budget](#) [Approvers List](#) [View Routing Sheet](#) [Reporting Cockpit](#) [Grant Budget](#) [Proposal Budget KAUST](#) You can also

Overview | Phases and Decisions | Deliverables | Relationships | Documents and Notes | Miscellaneous | Custom Component

General Information | test | Classification | Financial Information | Capacity Information | **Budget Justification**

Capital Equipment (Over \$20K per item):

[B](#) [Z](#) [H1](#) [H2](#) [H3](#) [+](#) [-](#) [=](#) [=](#) [=](#)

Non-Capital Equipment (Under \$20K):

[B](#) [Z](#) [H1](#) [H2](#) [H3](#) [+](#) [-](#) [=](#) [=](#) [=](#)

Consumables and Materials:

[B](#) [Z](#) [H1](#) [H2](#) [H3](#) [+](#) [-](#) [=](#) [=](#) [=](#)

Sponsor Application – Proposal Overview

BUDGET FORM	FULL ECONOMIC COST	INCOME			
		Funded?	Research Council Standard - 80% FEC	Funded?	Research Council - Other
Directly Incurred Cost & Exceptions					
Travel & Subsistence					
Conference fees	500.00	80%	400.00	100%	0.00
Travel & subsistence	5,000.00	80%	4,000.00	100%	0.00
Staff					
Clerical Staff	39,292.00	80%	31,434.00	100%	0.00
Technical Staff	71,548.00	80%	57,238.00	100%	0.00
Research Staff	54,273.00	80%	43,418.00	100%	0.00
Single Items of Equip.>£10K					
above the OJEU threshold value	5,000.00	100%	5,000.00	100%	0.00
between £10k and the OJEU threshold	12,000.00	50%	6,000.00	100%	0.00
Project Studentship - Exceptions					
Tuition fees	0.00	100%	0.00	100%	0.00
Stipend (Bursary)	0.00	100%	0.00	100%	0.00
Other directly incurred cost					
Staff recruitment and advertising costs	0.00	80%	0.00	100%	0.00
Equipment maintenance/rental	0.00	80%	0.00	100%	0.00
Software licences	0.00	80%	0.00	100%	0.00
Survey costs (incl. transcriptions)	0.00	80%	0.00	100%	0.00
Subject expenses	1,000.00	80%	800.00	100%	0.00
Fieldwork fees	0.00	80%	0.00	100%	0.00
Consultancy fees (external consultants only)	0.00	80%	0.00	100%	0.00
Publication costs	400.00	80%	320.00	100%	0.00
Equipment less than £10,000 (incl VAT)	0.00	80%	0.00	100%	0.00
Consumables - project specific	7,500.00	80%	6,000.00	100%	0.00
Vehicle purchase/leasing costs	0.00	80%	0.00	100%	0.00

Approvals & Budget justification

Workflow sent to Finance for review

Header Data

ORS #: X-00275 PI Name: Bill Karakostas
Project Title: Pub-Sub IoT Infrastructure Start Date: 08/01/2014 End Date: 01/31/2016 Duration: 548
Calculation Method: Standard (include increments/inflation) Indirectness Rate: 3.5% Sponsor Name: Engineering & Physical Sci Resch Council Total Budget: 378,957.00

Buttons: Save Budget, FEC Adobe Form, Budget Approval, View Approvers List

Type of Grant: Research Council Standard- 80%FEC

Class Name	Cost Category	Category	Sub Total	Full Economic Cost	Funded ?	Res. Council Std-80% FEC	Funded ?	Research Council - Other
Directly Allocated	Estates costs	Classroom based		61,410.00	80	49,128.00	100	0.00
	Estates costs	Laboratory based		0.00	80	0.00	100	0.00
	Estates costs	For Investigators						
	Other allocated costs	Use of facilities (e						
	Staff	Principal Investiga						
	Staff	Investigators from						
	Staff	Technical Staff (D						
	Staff	Clerical Staff (DA)						
Directly Incurred	Other directly incurred cost	Consumables - pro						
	Other directly incurred cost	Equipment less th						
	Other directly incurred cost	Publication costs						
	Other directly incurred cost	Consultancy fees						
	Other directly incurred cost	Fieldwork fees						

View Approvers List

Header Data

ORS #: X-00275 PI Name: Bill Karakostas
Project Title: Pub-Sub IoT Infrastructure
Start Date: 08/01/2014 End Date: 01/31/2016 Duration: 548

Approvers List

DP Name	DP Status Name
Proposal	Budget Routing for Dept Fin...

Proposal Notification - Message (Plain Text)

From: Keith Harmon <KHARMON@pgs-global.com> Sent: Thu 11/21/2013 6:36 AM
To: Harmon, James
Subject: Proposal Notification

Please review Proposal for Budget Approval.

Details of the Proposal can view by pressing the following link:

http://zeus.pgs-global.com:8000/sap/bc/webdynpro/sap/rpm_item_details?APPL_MODE=2&OBJECT_GUID=00C290D2A2D1ED394A0F06BFD67AA1E&PARENT_GUID=DEA4152A76E132F18F3A0018FE797282&PORTFOLIO_ID=HER&PORTAL_ROLE=PPM_ADMIN&WDCONFIGURATIONID=ZITEM_DETAILS_CFG

Compliance

Save Close Read Only Refresh Project Proposal Budget Approvers List View Routing Sheet Reporting Cockpit Grant Budget Proposal Budget KAUST

Overview Phases and Decisions Deliverables

General Information Additional Information Classification

Key Information
Name: *
Status:
Initiative Name:
Description:

Dates
Planned Start/Finish: *
Days Left Until Finish:

BUDGET INFORMATION
Deadline for Submission:
Exception:
PI Name:
Sponsor Name:

Questionnaire
Personnel Assessment:
Sponsor administrative guidelines:

Questionnaire Help
Questionnaire ID: 6001 Number of Questions: 7
Total Score: 053 Assigned to Field:
Changed On: 11/20/2013 Changed By: KHARMON

Compliance

1 Will Human Subjects involved in the project? If yes, please complete form IRB-H01.:
 Yes
 No

2 Will Animal Subjects involved in the project? If yes, please complete form IRB-A01.:
 Yes
 No

3 Will Hazardous Materials involved in the project? If yes, please complete form IRB-M1.:
 Yes
 No

4 Please confirm the personnel budget complies with Institutional policies.:
 Yes
 No

5 Please declare any conflict of interest with relation to Sponsor:
No conflict of interest

6 Is Intellectual Property protection needed?:
 Yes
 No

7 If Yes, Please explain.:

ID: X-00275
Type: Grants Project
Escalation:
Days Left Until Next Decision: 0
Total Budget: 385,745.00
Last Approver Name:
GM Sponsor: 804800

Institutional Compliance: 053

OK Reset Cancel

Document Management

The screenshot displays the SAP Document Management interface. The top navigation bar includes tabs for Overview, Phases and Decisions, Deliverables, Relationships, Documents and Notes (selected), and Miscellaneous. Below this, a secondary navigation bar shows Documents, Notes, and Collaboration Room. The main area features a toolbar with buttons for New Folder, New Document, Delete, Project Documents, Detail, Table, Authorizations, Templates, and Help. A search bar labeled 'URL for Document' is present. The central table lists document folders and files, with 'Sponsor Documentation' selected. The right-hand panel shows the 'Notes' section with a 'Current Note' field and a list of 'Existing Notes'.

Document Folder	File Name	File Size	Status	Changed At
▼ Pub-Sub IoT Infrastructure				
▼ Grants Document Templates				
▪ Collaboration				
▪ Compliance Documents				
▪ Research Results				
▼ Sponsor Documentation				
▪ EPSRC administrative guidelines	http://www.epsrc.ac...ages/c			
▪ Project budget	Presentations & Participant list			

Existing Notes

11/19/2013 06:09:56 - Keith Harmon
Project extension requested. Follow up with Sponsor in 2 weeks.

11/19/2013 06:09:19 - Keith Harmon
Spoke with the Sponsor and re-budgeting funds to Staff costs is approved.



End to End Research Management

1 Introduction

2 Researcher Desktop Concept

3 **Sponsored Program Management**

- For the Researchers...
 - **For the Organizations...**
-

4 Analytics and HANA for Higher Education & Research

Post Award administration using SAP Grants Management (GM)

Key Takeaways

- Perform post-award accounting functions
- Document each Grant's financial and administrative rules
- Flexible budgeting scenarios
- Enforce Sponsor compliance: postings, budget availability, close-out
- Prevent Project overruns and possibility of deficit spending
- Manage Sponsor billing rules
- Automate billing process
- Aged receivable by Grant and Sponsor
- Grant line Item reporting with drilldown capabilities for detailed reconciliation at close out



Managing Sponsor / Grant Requirements

Communication



Workflow

Grant Record

Documentation

What **kind of expenses** will the sponsor fund?

What are the **stages** of the grant?

How to **budget and consume** the grant?

How to calculate **overhead** costs?

How much do **we** have to **contribute**?

How to consider **revenues**?

How to **bill the sponsor** and when?

Which **reports** are due and when?

Which translation rates apply for **foreign currencies**?

Enforce Sponsor Compliance using Grants Management

Comprehensive Sponsored Program Management

- Support entire grant lifecycle business processes: pre- and post-award
- Budget sponsor funding and cost sharing requirements
- Accommodate funding period differences between Sponsor & Grantee organizations
- On-line, real time funds availability checks

Flexible Master Data

- Relate an organization's financial structures to sponsor's requirements
- Document and record sponsor's rules and requirements for managing the grants

Overhead / Indirect Costs Calculations

- Flexible options supported

Billing

- Multiple billing scenarios supported

Reporting

- Sponsor and Organizational Views

Records Management

- Support grant related documentation

Compliance: Posting Controls

Welcome Mark Jones

Home Budgeting Billing Indirect Cost Calculation Reporting Derivation Tools Accounting Procurement Master Data

Grant Maintenance | Create Fund | Sponsor Maint | Sponsored Prog Maint | Sponsored Class Maint

Display Grant Master 52 - Incoming

Grant: 52 Clinical study of helicobater pylori
 Grant Type: 01 Standard
 Sponsor: FEDERAL Federal Sponsor
 Deletion Indicator: Initial draft:

General Data Reference Responsibilities Posting Budget Billing Dimensions Supported Objects

Posting Control

Block All Postings
 Allow Pre-Award P

Posting Control by

GM Value Ty... Postin...

50	Purch
51	Purch
52	Busin
54	Liabil
55	Asse
57	Paym
60	Parke
61	Dowr
64	Fund
65	Fund
66	Trans
80	Fund
81	Fund
82	Fund
83	Forec
95	Seco
99	Expe
B1	Budg
R1	Relea

Financing Sources

Fund	IDC Recovery	Cost Sharing	Prog Income	GM Fund Type	Description
10000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Internal	General Fund
210000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	External	Federal

Sponsored Programs

Sponsored Program	Program Description	Valid from	Default
RESEARCH	Research	01/01/2003	<input checked="" type="checkbox"/>

Sponsored Classes

Sponsored Class	Class Type	IDC Relevant	Sponsored Class Description	Valid from	Default
EQUIPMENT	Expense	<input type="checkbox"/>	Equipment	01/01/2003	<input checked="" type="checkbox"/>
IDC_EXPENSE	Expense	<input type="checkbox"/>	F&A Expense	01/01/2003	<input checked="" type="checkbox"/>
IDC_RECOVER	Revenue	<input type="checkbox"/>	F&A Recovery	01/01/2003	<input checked="" type="checkbox"/>
PERSONNEL	Expense	<input checked="" type="checkbox"/>	Personnel	01/01/2003	<input checked="" type="checkbox"/>
REVENUE	Revenue	<input type="checkbox"/>	Revenue	01/01/2003	<input checked="" type="checkbox"/>
SUBCONTRACT	Expense	<input checked="" type="checkbox"/>	Subcontract		<input type="checkbox"/>
SUPPLIES	Expense	<input checked="" type="checkbox"/>	Supplies and Services	01/01/2003	<input checked="" type="checkbox"/>

SAP

Compliance: Sponsor administrative rules

Welcome Mark Jones

Search [Advanced Search](#)

Home Budgeting Billing Indirect Cost Calculation Reporting Derivation Tools Accounting Procurement Master Data

Grant Maintenance | Create Fund | Sponsor Maint | Sponsored Prog Maint | Sponsored Class Maint

Display Grant Master 52 - Incoming

Menu Back Exit Cancel System Toggle locator Previous screen Next screen Change Create grant Relationships Object Mapper Budget Overview

Grant Clinical study of helicobater pylori

Grant Type Standard

Sponsor Federal Sponsor

Deletion Indicator Initial draft

General Data Reference Responsibilities Posting **Budget** Billing Dimensions Supported Objects

Financing Sources

Fund	IDC Recovery	Cost Sharing	Prog Income	GM Fund Type	Description
110000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Internal	General Funds
210000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	External	Federal
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Sponsored Programs

Sponsored Program	Program Description	Valid from	Default
KARAKOSTAS	Bill Karakostas	01/01/2001	<input checked="" type="checkbox"/>
O'BRIEN	David O'Brien	01/01/2001	<input checked="" type="checkbox"/>
RESEARCH	Research	01/01/2001	<input checked="" type="checkbox"/>

Sponsored Classes

Sponsored Class	Class Type	IDC Relevant	Sponsored Class Description	Valid from	Default
DA STAFF	Expense	<input checked="" type="checkbox"/>	Directly Allocated Staff	01/01/2001	<input checked="" type="checkbox"/>
DI STAFF	Expense	<input checked="" type="checkbox"/>	Directly Incurred Staff	01/01/2001	<input checked="" type="checkbox"/>
EQUIP <=10K	Expense	<input type="checkbox"/>	Equipment less than 10K	01/01/2001	<input checked="" type="checkbox"/>
EQUIP >10K	Expense	<input type="checkbox"/>	Equipment greater than 10K	01/01/2001	<input checked="" type="checkbox"/>
ESTATE COSTS	Expense	<input type="checkbox"/>	Estate Costs	01/01/2001	<input checked="" type="checkbox"/>
IDC EXPENSE	Expense	<input type="checkbox"/>	F&A Expense		<input type="checkbox"/>

SAP

Compliance: Budgeting Rules and Availability Checking

Welcome Mark Jones

Search [Advanced Search](#)

Home Budgeting Billing Indirect Cost Calculation Reporting Derivation Tools Accounting Procurement Master Data

Grant Maintenance | Create Fund | Sponsor Maint | Sponsored Prog Maint | Sponsored Class Maint

Display Grant Master 52 - Incoming

Menu Back Exit Cancel System Toggle locator Previous screen Next screen Change Create grant Relationships Object Mapper Budget Overview

Grant Clinical study of helicobater pylori

Grant Type Standard

Sponsor Federal Sponsor

Deletion Indicator Initial draft

General Data Reference Responsibilities Posting **Budget** Billing Dimensions Supported Objects

Budget Validity

Grant FY variant Oct.- Sept., 4 special periods

Company Code FY Variant July - June, 4 special periods

Splitting Rule Grant Validity or all phases-Un/Released [Manual Allowed]

Budget Transfer Restrictions

Budget Validity Periods

Budget...	Budget Status	Budget Phase	Budg...	Sponsor FY	Grantee FY	...	Valid from Date	Valid to Date
010	Unreleased	Plan for Grant Proposal	<input checked="" type="checkbox"/>	2014	Multiple FY	<input checked="" type="checkbox"/>	10/01/2013	09/30/2014
011	Unreleased	Plan for Grant Proposal	<input type="checkbox"/>	2015	Multiple FY	<input checked="" type="checkbox"/>	10/01/2014	09/30/2015
012	Unreleased	Plan for Grant Proposal	<input type="checkbox"/>	2016	Multiple FY	<input checked="" type="checkbox"/>	10/01/2015	09/30/2016

Budget Layout

Field Order in Budget Documents

Budget Version	Budget Phase	Layout
0		TFPC
1		TFPC
2		TFPC

SAP

Compliance: Sponsor Cost Sharing requirement

The screenshot shows the SAP 'Display Grant Master 52 - Incoming' screen. At the top, there is a navigation bar with tabs for Home, Budgeting, Billing, Indirect Cost Calculation, Reporting, Derivation Tools, Accounting, Procurement, and Master Data. Below this is a sub-menu with Grant Maintenance, Create Fund, Sponsor Maint, Sponsored Prog Maint, and Sponsored Class Maint. The main title of the screen is 'Display Grant Master 52 - Incoming'. Below the title is a toolbar with buttons for Menu, Back, Exit, Cancel, System, Toggle locator, Previous screen, Next screen, Change, Create grant, Relationships, Object Mapper, and Budget Overview. The main data area shows the following details:

- Grant: 527 Clinical study of helicobater pylori
- Grant Type: 01 Standard
- Sponsor: FEDERAL Federal Sponsor
- Deletion Indicator:
- Initial draft:

Below these details are several tabs: Cost Sharing (selected), Overhead Costs, Overhead Cost Limits, Overhead Cost Refund, and Report Tracking/Monitoring. The 'Cost Sharing' tab displays the following information:

Cost-Sharing Rule

- Cost Sharing Rule: DIRECT_COSTS
- Cost Share Rate: 10.000

Cost Sharing

Sponsored Program	Sponsored Class	Fund	Percent
RESEARCH	EQUIPMENT	10000	10.000
RESEARCH	PERSONNEL	10000	10.000
RESEARCH	SUBCONTRACT	10000	10.000
RESEARCH	SUPPLIES	10000	10.000
RESEARCH	TRAVEL	10000	10.000



Grants Management is fully integrated with SAP ERP



**With SAP Grants Management,
every business transaction is**

- **Checked** whether it contributes (directly or indirectly) to the costs of the grant
- **Recorded** for that grant as a real or statistical posting

... according to each sponsor's own rules!

**Each item can be reported and billed
to the sponsor.**

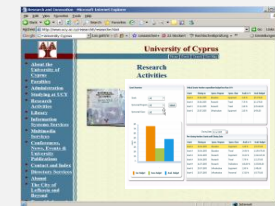
Research Reporting Landscape: Access to Information

Web-based Interface



DEPARTMENTS

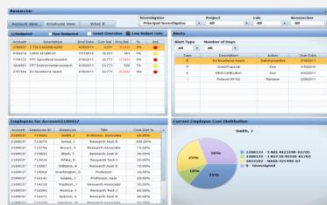
Business Intelligence



MANAGEMENT

**SAP Grants
Management for
Grantee Organizations**

**RESEARCHERS &
GRANT MANAGERS**



FINANCE

A screenshot of a SAP Grants Management interface showing a detailed table of grant data. The table has columns for 'Department', 'Project Name', 'Project Start Date', 'Project End Date', 'Project Status', and 'Project Budget'. The table is filtered to show grants with a status of 'Open'.

End to End Research Management

Financials, HCM, Procurement Sponsored Program Management

- Pre-Award/Proposal Development
 - Post-Award/Project Management
 - Faculty Time & Effort
 - Reporting
 - Collaboration
 - Document Management
 - Publications, Citations
- ✓ Integrated ERP: Financials, HCM, Procurement, etc..
 - ✓ Portfolio and Project Management (PPM)
 - ✓ Grants Management + PPM
 - ✓ Effort Certification & Reporting
 - ✓ GM + Dashboard
 - ✓ Collaboration (SFSF, PPM)
 - ✓ Integrated in solutions: GM & PPM
 - ✓ Portal + Business Process Platform

Research Planning

- Pre-Award/Proposal Development
 - Post-Award/Project Management
 - Faculty Time & Effort
- ✓ HANA + BOBJ
 - ✓ HANA + Predictive Analytics
 - ✓ HANA + EPM, PPM

Administrative Processes

- Pre-Award/Proposal Development
 - Post-Award/Project Management
 - Faculty Time & Effort
- ✓ HANA
 - ✓ GRC: EHS, Access Control
 - ✓ Intellectual Property Management

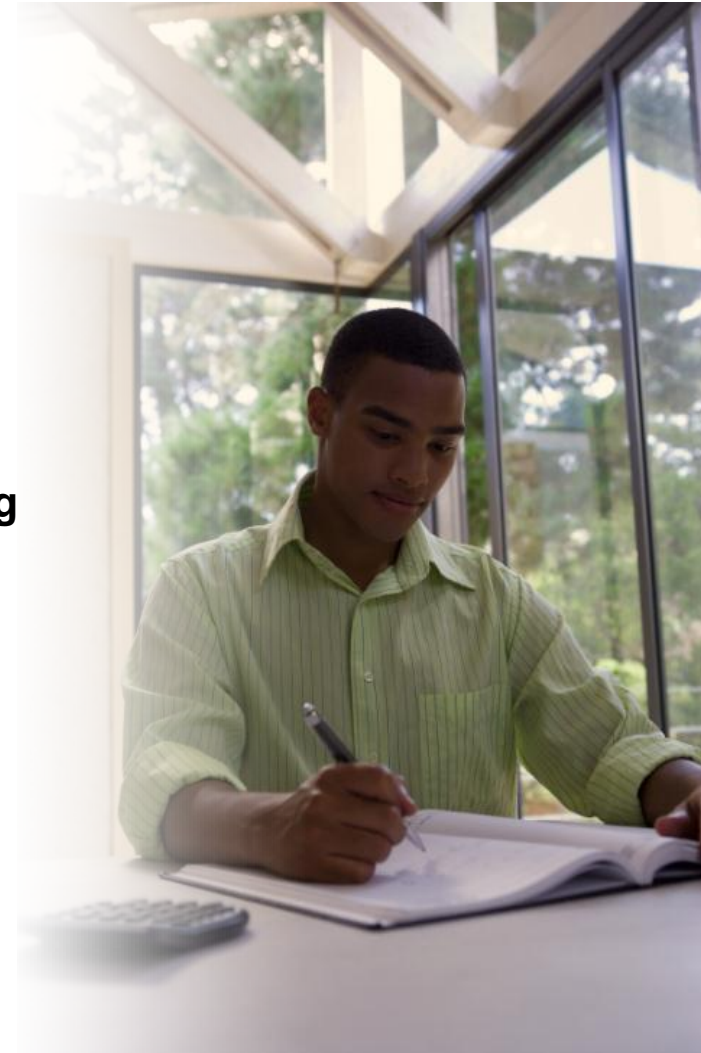
Manage Research funding using SAP Business Objects (BOBJ)

In general...

- Data from many sources
- Single source of truth for the Organization

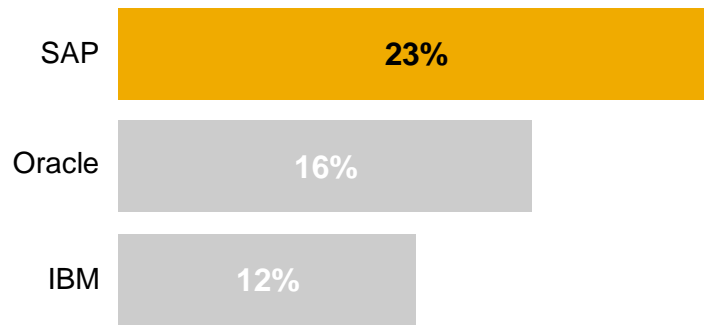
For Grant funding...

- Consolidate Financial and Administrative data
- Easily determine disposition of Grant and all funding
- Reduce time to assess over grant position
- View personnel cost assignments
- Alerts and Reminders to meet deadlines
- If/Then analysis for all funding and specific grants
- Overview and detailed KPI results



SAP BusinessObjects (BOBJ) Why SAP Leads the Market

Visionary leader
in every Gartner quadrant



#1 in BI
analytic applications



100,000+

Customers

2 Million+

Community Subscribers

800+

OEM Partners

7,000+

SAP BusinessObjects
Solutions & Partners

1,200+

Global Service and
Technology Partners

Enterprise Business Intelligence



Mobile enabled

Alerts

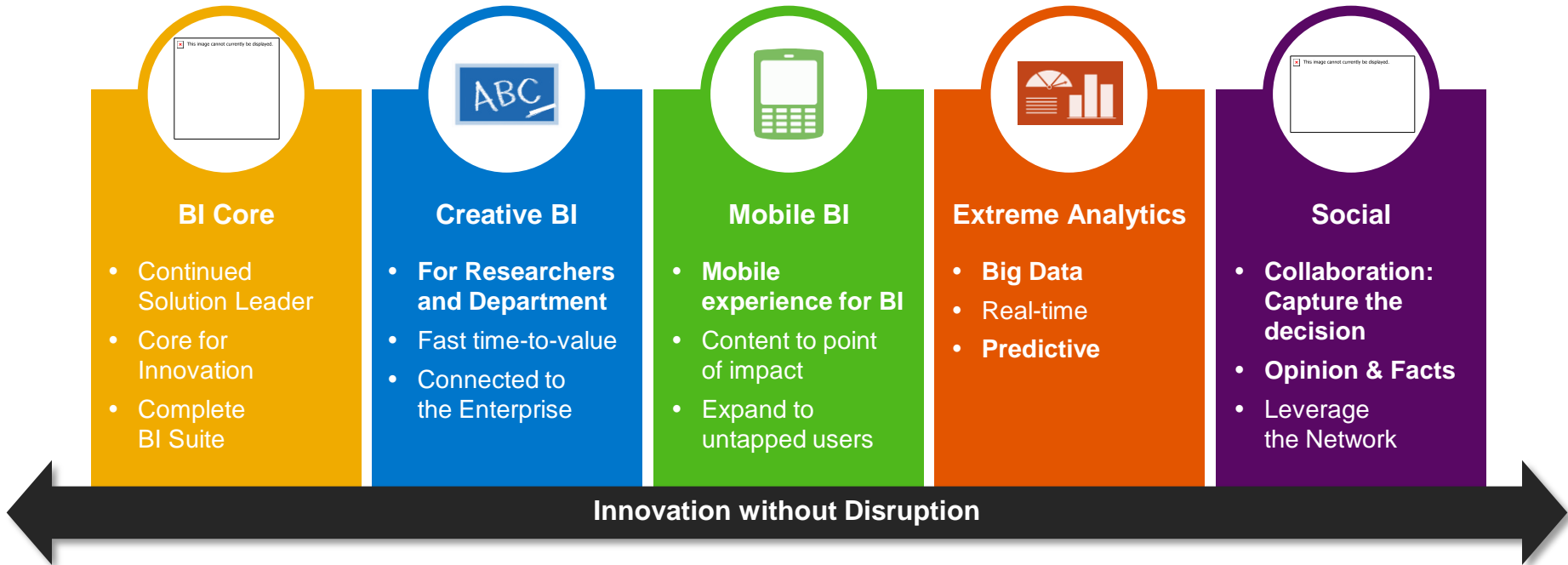
Research Funding Management

Research Data analysis

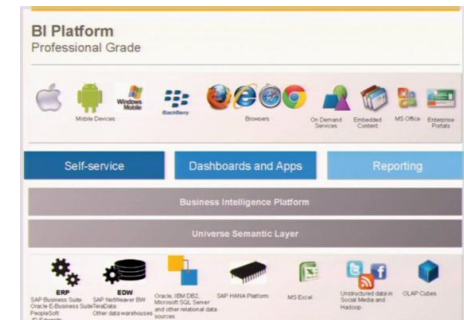
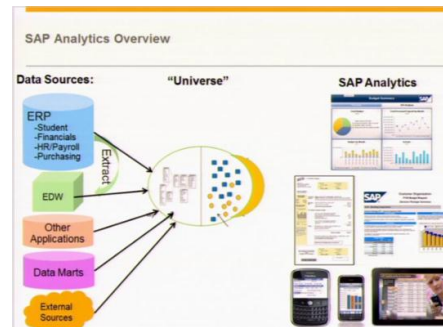
Funding Opportunities

Resource Utilization

SAP BusinessObjects Business Intelligence Platform



- Connect with any data sources
- Integrated SAP solutions
- Industry delivered content to **accelerate implementations** and **reduce costs**



Co-innovation for SAP Research analytic content

Univ of Bielefeld

Duke University

Johns Hopkins University

University of Kentucky

KIT Karlsruhe

National University of Singapore

University of Vechta

LSI Consulting

Baylor College of Medicine

Broad Institute

Central Michigan University

University of Cincinnati

Ole Miss

**Massachusetts Institute of
Technology (MIT)**

Texas State University

**Weill Cornell Medical College
Cornell University**

From the Researcher's perspective

- **What is the status of my research funding for my projects?**
- **Do I have enough research funding to cover my lab (personnel / supplies) currently and projected until the project termination and end of the funding?**
- **What percentage of the funding has been expended?**
- **When are my projects ending?**
- **Do I have enough funds for more resources: people, equipment, etc...**
- **To help the Researcher... the Research Administrator must see the same information**
- **Projects, Proposals, Alerts...**
- **When will my research protocols need to be renewed?**
- **Are any employees trainings due?**

Researcher and Research Administrator Funding overview dashboards

Researcher

Account View
Employee View
What If

Investigator
Principal Investigator

Project
All

Lab
All

Researcher
All

Budgeted
 Non-Budgeted
 Grant Overview
 Low Budget Only

Account	Description	End Date	Curr Bal	Proj Bal	%	Ind
2189037	5 T32 CA23298-02/05	4/30/2011	2,031	(6,012)	-5%	●
2184414	USDA 421490-07	7/31/2014	12,231	301	1%	●
7708133	FP7 Agricultural research	6/30/2011	23,773	(7,546)	-6%	●
3204901	FP7 Environmental research	6/30/2011	23,773	528	1%	●
2187604	EU Excellence Award	6/30/2011	23,773	(5,246)	-4%	●

Alerts

Alert Type
All

Number of Days
All

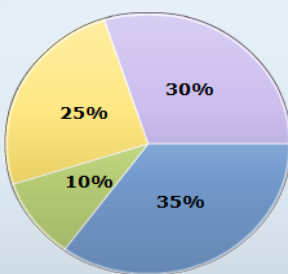
Type	Description	Action	Due Date
E	EU Excellence Award	Deficit projected	2/18/2011
P	Grant Proposal	Due	1/16/2010
E	Effort Certification	Due	9/30/2011
I	Protocol HS102	Renewal	2/28/2011

Employees for Account:2189037

Account	Employee ID	Employee	Title	Cost Dist %
2189037	713602	Smith, J	Professor, Associate	65.00%
2189037	713679	Jones, J	Research Asst II	100.00%
2189037	713756	Brown, S	Research Associate	75.00%
2189037	713833	Black, T	Research Asst II	30.00%
2189037	713910	White, D	Research Tech I	20.00%
2189037	713987	Williams, B	Research Asst II	70.00%
2189037	714064	Washington, G	Professor	10.00%
2189037	714141	Adams, J	Professor, Asst	20.00%
2189037	714218	Madison, J	Research Associate	30.00%
2189037	714295	Monroe, J	Research Tech I	60.00%
2189037	714372	Jackson, A	Research Asst II	40.00%
2189037	714440	Harrison, W	Research Associate	50.00%

Current Employee Cost Distribution

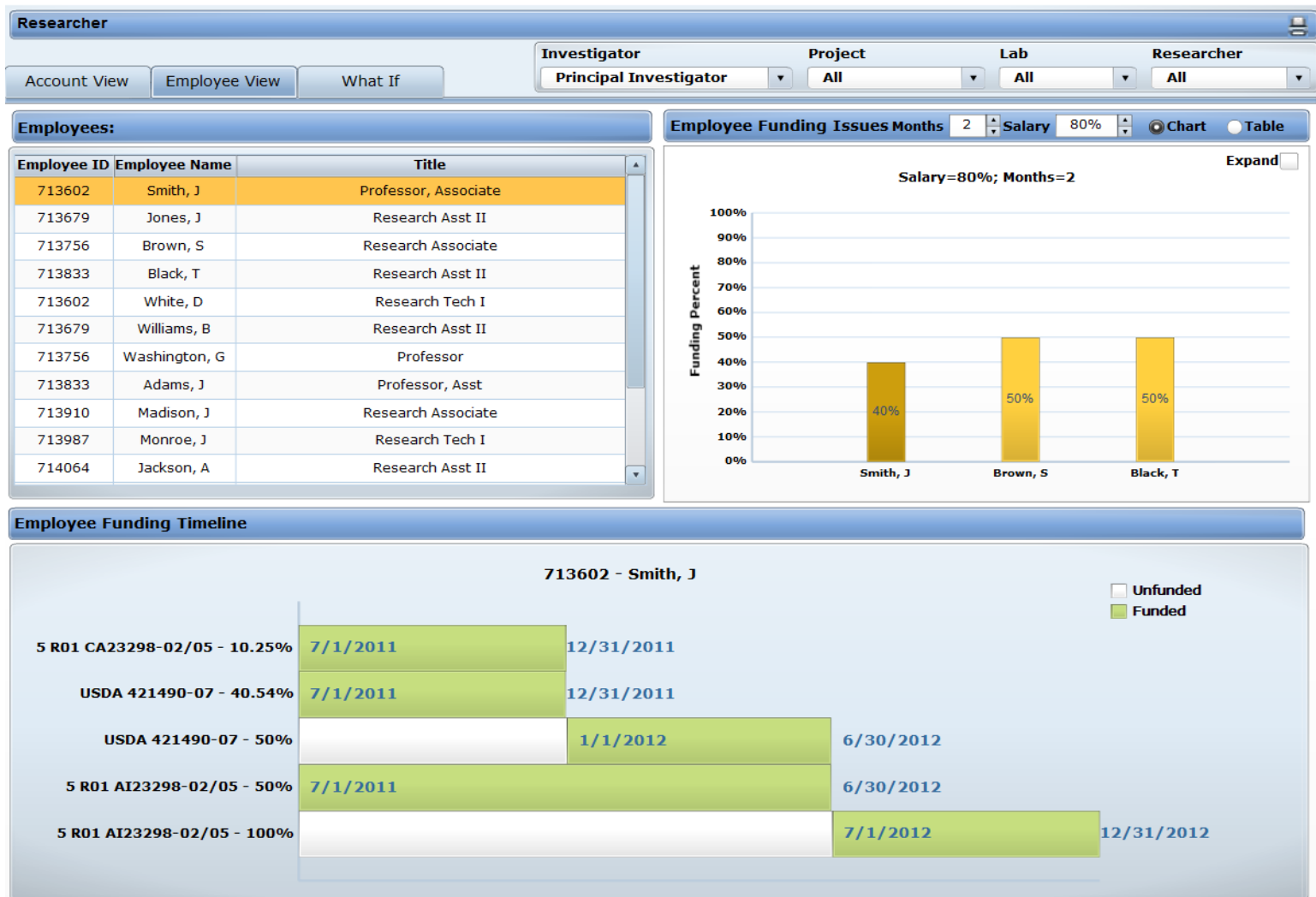
Smith, J



- What research accounts have issues?
- Research account details
- Personnel assigned to Research accounts
- Alerts and Notifications for Administrative tasks

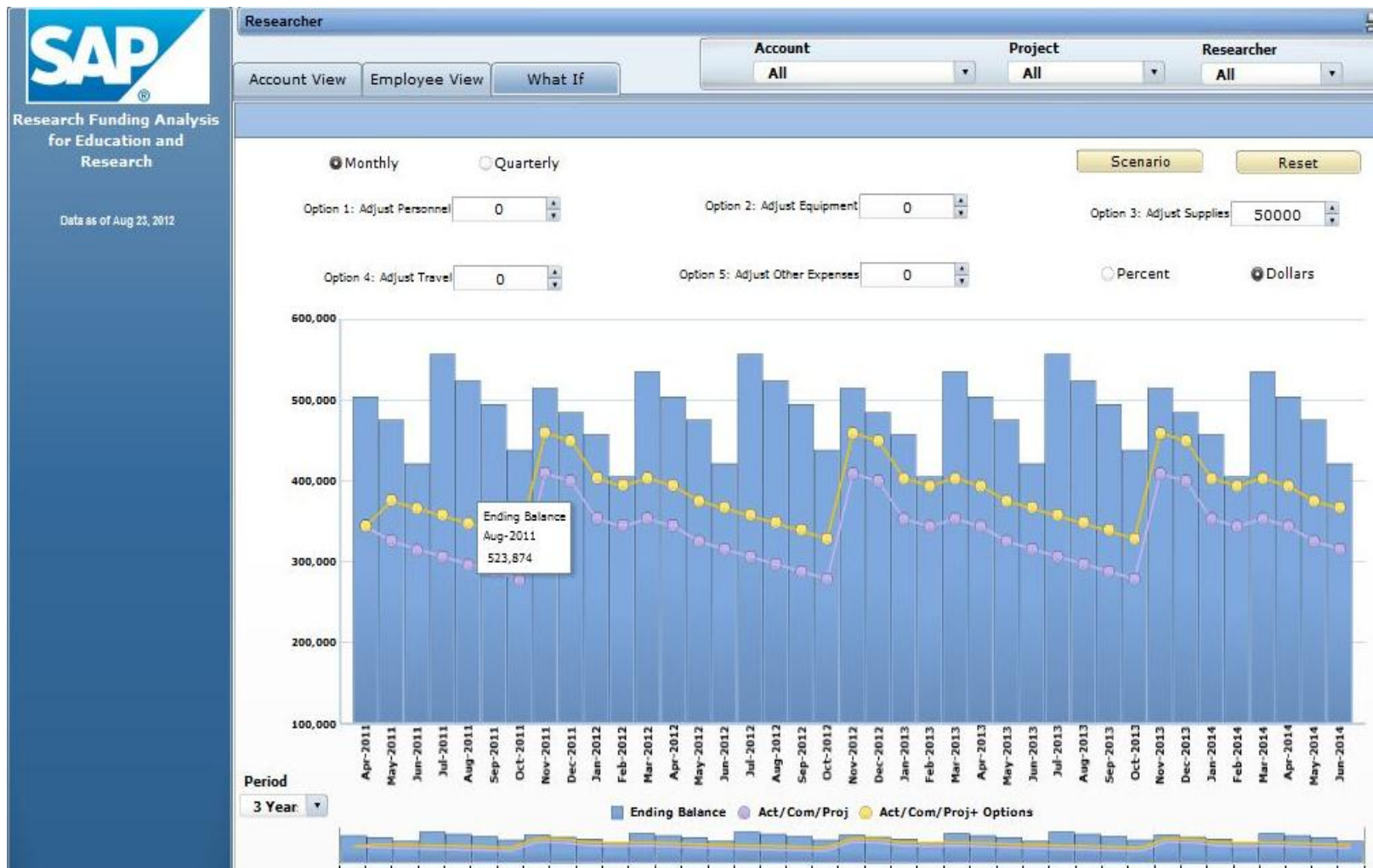
Researcher and Research Administrator dashboards

Resource overview



Researcher and Research Administrator

What if? Scenario modeling



Incorporated into the Researcher Portal

SAP Business Client

Portfolio Management | My Portfolio Objects | Project Management | Resource Management | Portfolio and Project Administration | **Research Dashboard**

Overview

Research Dashboard > Overview > Research Dashboard

Personal Profile

[Research Profile\(Key Words\)](#)
[Enter/Review Collaboration Request](#)

Funding Opportunities

[Sponsor/External Projects](#)
[Internal Projects](#)
[Research Proposals](#)

Personal Information

[Curriculum Vitae](#)
[Publications, Citations and Awards](#)

Compliance

[University Policies & Procedures](#)
[Online Training](#)

Project/Grant Status

[Grant Details](#)
[VP for Research](#)
[Record Research Results](#)

Performance Measures(KPIs)

[Funding Rate by Researcher](#)
[Funding Rate by Organizational Unit](#)

Researcher

Investigator: **Principal Investigator** | Project: **All** | Lab: **All** | Researcher: **All**

Budgeted Research Funding Grant Overview Low Budget Only

Account	Description	End Date	Curr Bal	Proj Bal	%	Ind
2189037	5 T32 CA23298-02/05	4/30/2011	2,031	(6,012)	-5%	●
2184414	USDA 421490-07	7/31/2014	12,231	301	1%	●
7708133	FP7 Agricultural research	6/30/2011	23,773	(7,546)	-6%	●
3204901	FP7 Environmental research	6/30/2011	23,773	528	1%	●
2187604	EU Excellence Award	6/30/2011	23,773	(5,246)	-4%	●
3207604	European Reintegration Grant	10/31/2012	34,229	31,383	21%	●
3208118	EU Excellence Award	1/31/2012	30,081	7,960	5%	●
3209037	IDM Strategic Research Program	4/30/2012	42,663	24,932	11%	●
3204414	NIHR 87234-12	7/31/2013	39,238	33,919	18%	●
2188133	European Reintegration Grant	10/31/2012	34,229	31,383	21%	●
2187442	EU Excellence Award	1/31/2012	30,081	7,960	5%	●
2188118	IDM Strategic Research Program	4/30/2012	42,663	24,932	11%	●

Employee Funding Issues Months: **2** Salary: **80%** Chart Table

Salary=80%; Months=2 Expand Cost Distrib.

Researcher	Funding Percent
Smith, J	40%
Brown, S	60%
Black, T	60%

SAP's Analytic Content for Research Organizations

Microsoft Internet Explorer browser window showing the SAP Community Network page for Analytic Content Samples.

URL: <http://www.sdn.sap.com/irj/boc/samples?rid=/webcontent/uuid/30ee8d05-770c-2f10-4680-a65bf1e86a5c>

SAP Community Network

Welcome, Guest | Login | Register


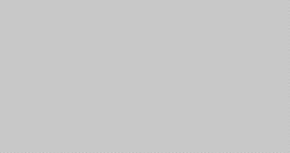
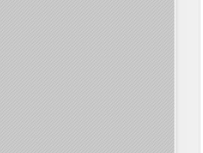
Search Our Community

Solutions > SAP Services & Support > About SCN > Downloads >
 Industries > Training & Education > Partnership > Developer Center >
 Lines of Business > University Alliances > Events & Webinars > Innovation >

Code and Samples

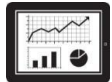
ANALYTIC CONTENT SAMPLES

The sample analytic content showcases the use of analytics solutions from SAP to support industry-specific needs.

Download	Description	More Information	Industry	Send feedback to
Research Funding Analysis for Education and Research (ZIP 8.8 MB)	Showcases the utilization of dashboards for researchers, administrators, and funding executives to monitor research funding and analyze details on staffing, facilities, budgets, productivity, and compliance.	Demo Scan the QR code to launch directly on iPad: 	Higher Education and Research	Keith Harmon
City Performance Management (ZIP 13 MB)	Showcases the utilization of dashboards for key stakeholders, such as the city manager, council, or mayor, to provide performance transparency while aligning operations with strategy. Contains five dashboards: Overview, Economy, Environment, Public Safety and Social.	Demo Scan the QR code to launch directly on iPad: 	Public Sector	Elizabeth McGowan
IP Rights Analysis (ZIP 5 MB)	Showcases examples of SAP BusinessObjects Dashboards with alerting functionality for media coverage and revenue impact and profit from	Demo Scan the QR code to launch directly on iPad: 	Media	Joerg Dichter

[Link in SAP SDN](#)

Exploring Possibilities for a Research Platform



SAP HANA Cloud Portal



SAP HANA App Services

Native HANA | Java | Portal | Mobile | Collaboration | Integration | HTML5

SAP HANA DB Services

In-Memory | Transactions | Analytics | Text | Predictive | Planning

SAP HANA Cloud Platform



SAP HANA Cloud Platform Infrastructure Layer

Research

FIN

HR

BO

HANA Experience Customer site

<http://www.saphana.com/community/try>

SAP HANA

[Learn](#) | [Try](#) | [Implement](#) | [Marketplace](#) | [Blog](#)

[Login](#) [Register](#) [Share Page](#)

Search

Home > Learn > Customer Stories

Customer & Startups Stories on SAP HANA



Charité uses SAP HANA to enable faster and more flexible reporting



MKI: Real-time big data analysis with SAP HANA, R, Hadoop for genome interpretation



Genome Analysis with SAP HANA

Additional Videos:

SAP HANA:
Re-Thinking Information Processing for Genomic and Medical Data

Prof. Dr. Hasso Plattner
Chairman of the Supervisory Board, SAP AG
Professor, Hasso Plattner Institute



Prof. Dr. Hasso Plattner
Chairman of the Supervisory Board, SAP AG
Professor, Hasso Plattner Institute



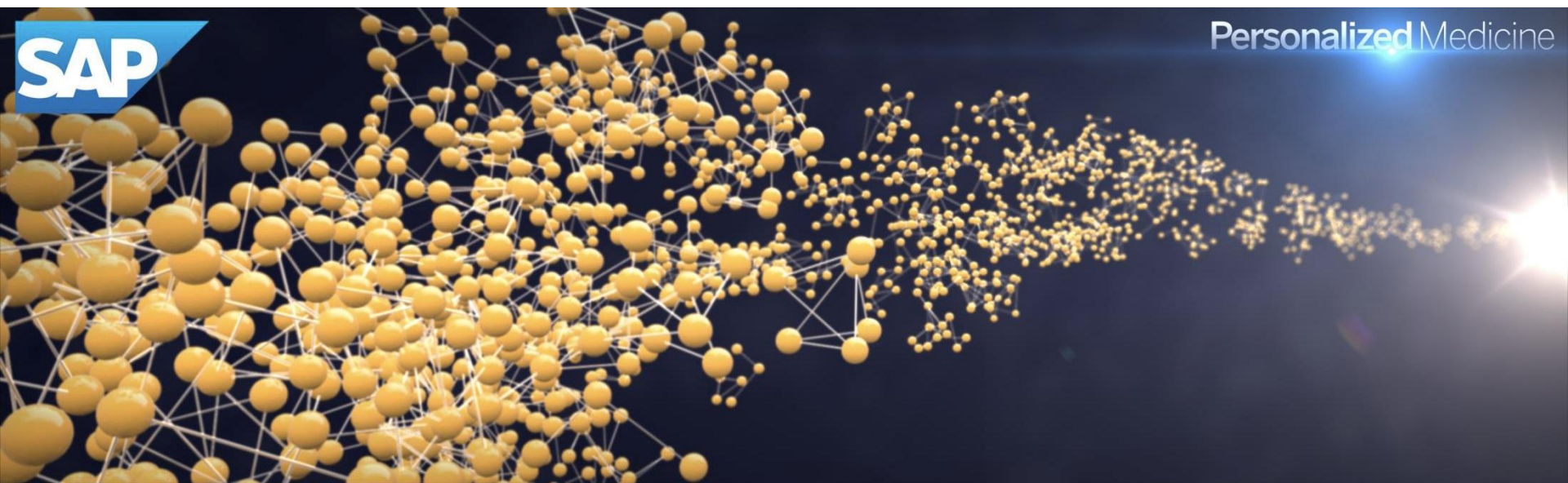
Vince Kellen
CIO, University of Kentucky

Revolutionizing the Customer Experience with SAP HANA

Duration: 20 min



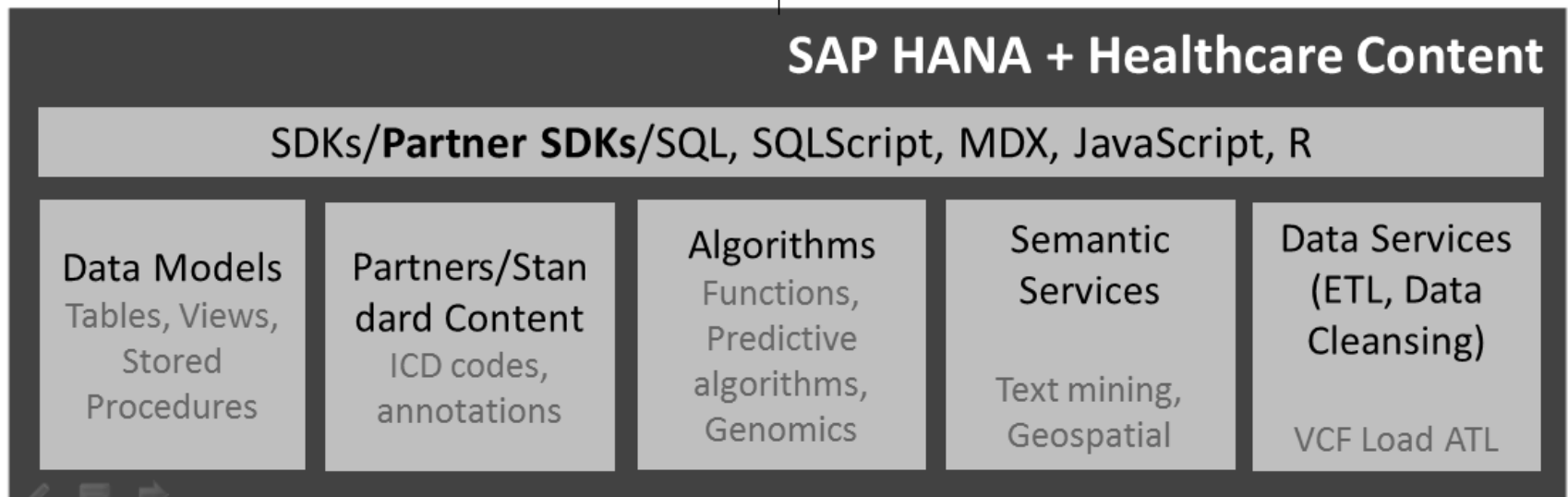
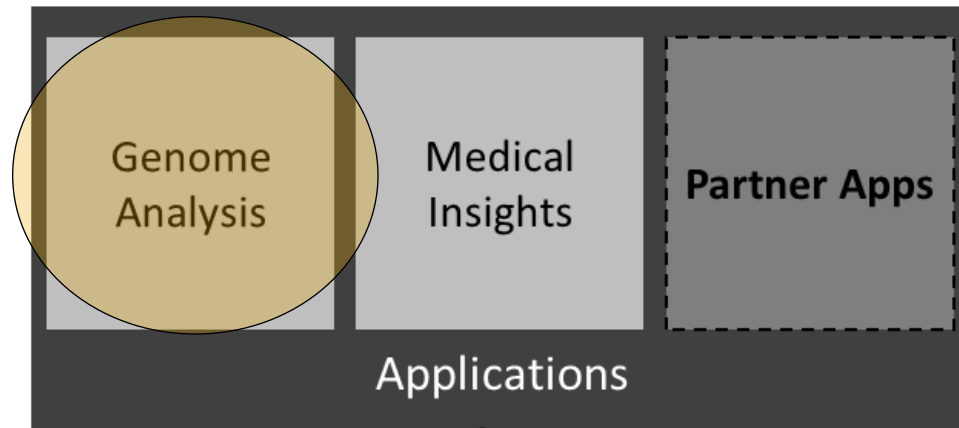
Vince Kellen
CIO
University of Kentucky



SAP Genome Analysis

SAP HANA Platform for Healthcare

High-Level Architecture



Genome Analysis Project

SAP Early Adoption (Pilot) Program

Target users: Academic researchers, genetic counselors or any user who wants to process or analyze genetic or genomic information

Looking for a maximum of 5 early adoption customers to test and evaluate the genome analysis application

Testers must provide feedback after the ~90 day testing period



*Energy and Environmental Management are Integral
to Strategy and Operations*



Facilities: Education, Research
and General Purpose

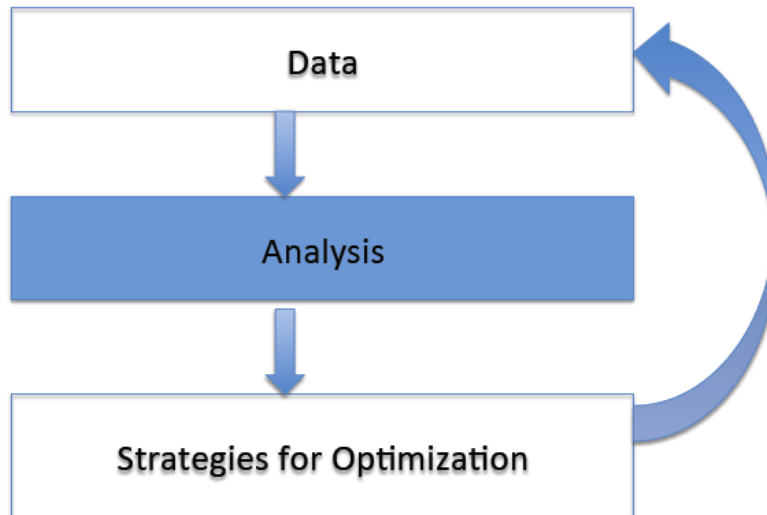
Energy can be
20 to 33%
of operating costs

SAP HANA Energy and Environmental Intelligence

Co-innovation with Massachusetts Institute of Technology (MIT)

Optimize Building Energy Efficiency

Building Energy Use
= f (Type, Age, Size, Climate, Systems, Maintenance, Behavior)



Manage energy with the same diligence as other assets: human resources, financial, etc...

Enable operations to correlate energy use within working environment and identify ways to optimize utilization and cost savings.

Consolidate, evaluate and prioritize a portfolio of energy reduction and abatement initiatives

Manage Green House Gas (GHG) as well as other air or water emissions for voluntary or regulatory disclosure , as well as permit management .

Enhance University brand through responsible stewardship of natural resources.

Manage University Energy and Environmental Impact

SAP Energy and Environmental Intelligence (powered by SAP HANA)



Energy Transparency and Performance Management

Sharpen visibility of energy costs, consumption, and emissions across assets, individual sites, and the entire enterprise.

Energy and Environmental Initiatives Management

Consolidate, evaluate, and prioritize the portfolio of energy and emissions projects.

Emissions Management

Manage greenhouse gas (GHG) and other air or water emissions for voluntary or regulatory disclosure.

RUN

with more visibility to achieve operational excellence



Increase Operating Margin

- Track energy and environmental costs and consumption with same rigor as other materials
- Enable continuous monitoring and improvement



Improve Asset Productivity

- Include energy and emissions in asset maintenance strategies
- Include energy efficiency in asset procurement



Optimize Workforce Efficiency

- Reduce manual efforts for data collection, data validation, reporting, and planning across site(s)
- Affect energy consumption behavior and attitudes

Managing the University Brand

From (un)structured data...



- Pre-configured data acquisition from public social media and other unstructured text sources, automated text data processing (NLP)
- Integration with SAP CRM campaign / promotions and service management

SAP HANA Sentiment Intelligence

SAP HANA Info Access,
SAP BusinessObjects BI,
SAP LUMIRA, Mobile
/Pilot

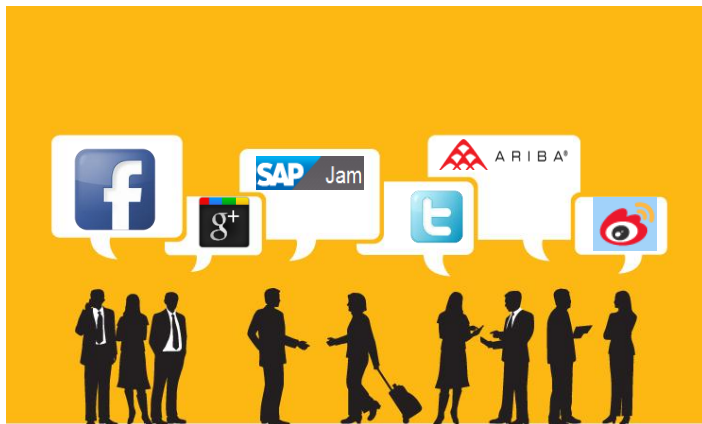
SAP Data Services

SAP HANA (SPS6) with
text analysis and models
& views

...to insight!



- SAP HANA HTML5 Information Access (InA), SAP BusinessObjects Explorer Views, SAP LUMIRA, Mobile for prebuilt analytical reporting and action taking, extraction routines, transformations, loading, universes, and analytics, based on pre-defined SAP HANA models
- How-to guides and additional service offering to extend unstructured channels integration and analytical reporting





Thank You!

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