

MatchingNeeds

Open Access Portal for Scientific
Data and Expertise

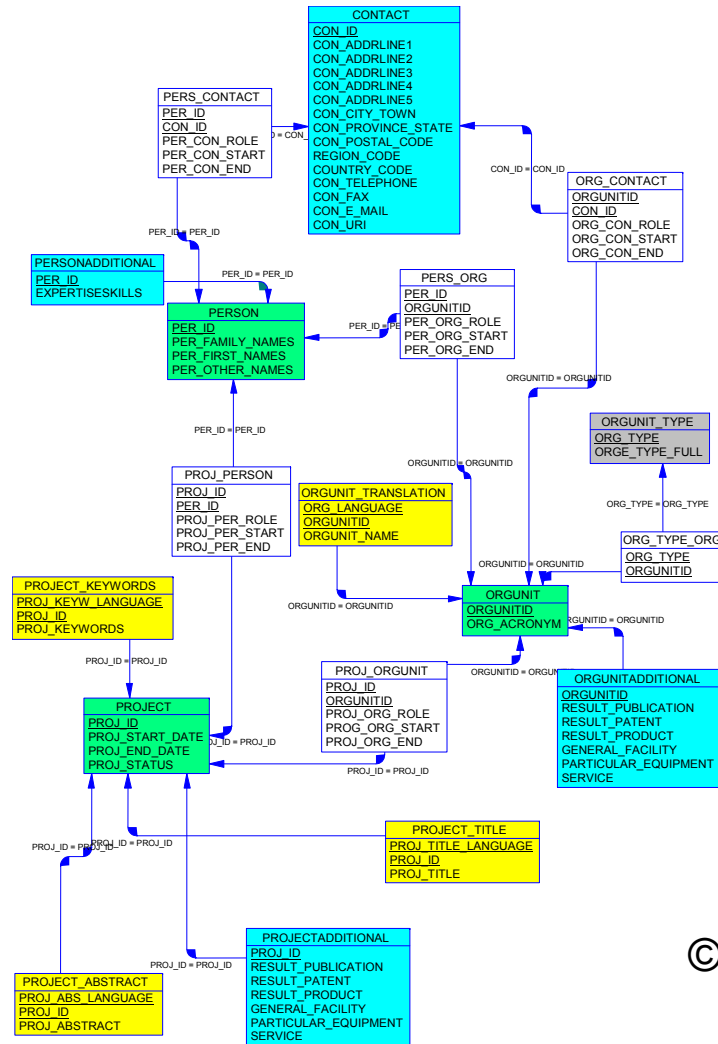
Felix Mühlebach/ Jan Poort
MatchingNeeds

May 13th to 15th, 2004

or:

How to turn a
Data Model
into a
Business Model

The Starting Point: The Data Model



© eruroCRIS



The next step: Identify Stakeholders and Needs

Stakeholder	Needs
Researcher	
Research administrators	
Grant approvers	
Politicians	
Entrepreneurs	
Owners of Small and Mid-sized Companies	
Venture capitalists	
Tax payers	
Journalists	

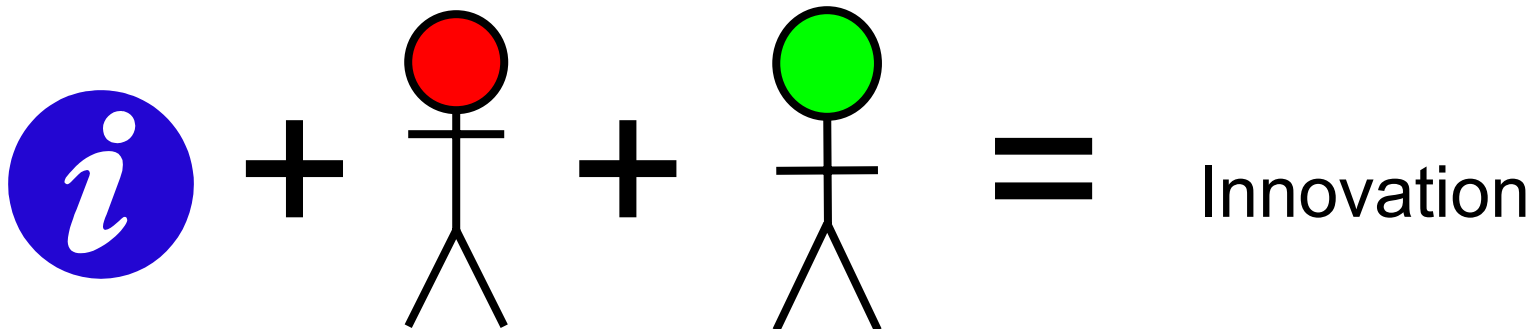
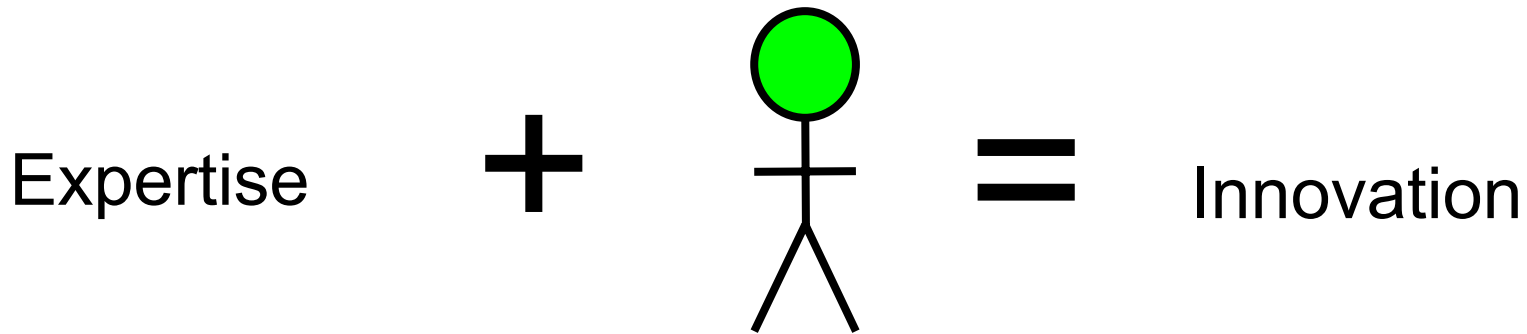
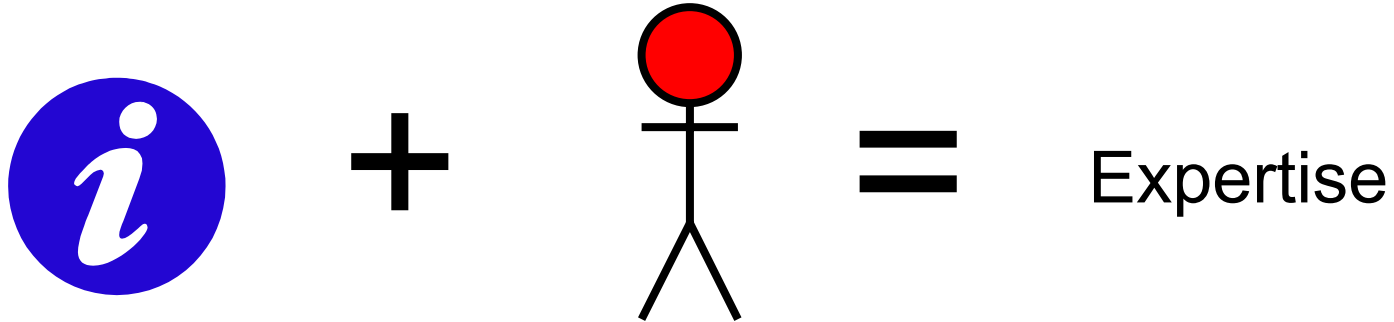
Business Case: Satisfy a Need and Make a Euro

- Small and mid-sized companies need new technologies and new techniques to stay competitive
 - **More jobs**
 - **More taxes**
 - **Better environment**
- and in turn
- **More research funding**

The Crux: The Academic Divide

Those with the most desperate need to innovate do not necessarily have the infrastructure to follow academic research and translate its results into innovative products and services with a big market potential

Portal: Translate Research Results into Innovation



Since it takes at least two professionals to turn research results into innovation ...

... a real portal should not only provide information about research and researchers but also use the **power of social networking** to connect the right people who can turn innovation into new jobs

What Makes a Portal Successful

- It matches demand and supply
 - **Those offering research**
 - **Those able to translate it into products and services**
 - **Those seeking to innovate their products and services**
 - **Those seeking to finance new ventures**
- It provides information and decision support by
 - **Gathering**
 - **Standardizing**
 - **Quality control**
 - **Distributing**
- It enables collaboration
 - **Enabling Networking**
 - **Facilitating teams**
 - **Providing workspaces**
 - **Creating work flows**

MatchingNeeds: Innovation Portal Made Easy

- Modular software framework fully CERIF compatible
 - **Web based**
 - **Multi-lingual**
 - **Easily integrated in all existing IT infrastructure**
- Open and connected
 - **Interfaces to all database types**
 - **Data import and export**
 - **OAI data provider**
- Collaborative
 - **Communication engine for push, pull and stakeholder communication**
 - **Role based data and functionality access**
 - **Work-flow**
 - **Collaboration**
- Eurospider Relevancy Retrieval
 - **Search**
 - **Data gathering and categorization**

MatchingNeeds Has the Portal Ready Made

ETH - Vizepräsident Forschung - Interner - Netscape

http://mn.datapro.ly/ereeth/projects/

RESEARCH DATABASE

News | About | Contact | Feedback | Search | Logoff
Help

Search | Project Handling | ETH Research Database (demo)

Logged on as: Mr Guntars (X) Veigulis

Project list

ID	Date (last modified)	Title (click on title to modify)	Publication-Status	Required Action	Responsibility
77122	25/09/2003	Deziriboru kmeinskabes parskabes brinmainas ipasibas to uzleiot uz pertikla adas.	Incomplete	Agree to publication of your name	Leader
465	08/07/2003	kikihdkis khkhis khkisa	Published	Incomplete new version of this project - click here to access	Author
324	28/07/2003	Symbol Test Project	Incomplete	Submit for approval	Author
236	03/04/2003	testorolekt	Incomplete		Researcher
233	09/07/2003	vsdsfsof	Pending		Author
231	04/07/2003	bhhtutuv	Pending		Author
219	20/01/2003	new researcher's project	Incomplete	Submit for approval	Author
218	20/01/2003	A project with reminder	Suspended		Author
135	28/11/2002	ohahfh	Incomplete	Submit for approval	Author
115	28/11/2002	test the new design	Suspended		Author
114	27/11/2002	fahfah	Incomplete	Submit for approval	Author
113	28/11/2002	egege	Suspended		Author
112	27/11/2002	kiakik	Suspended		Author
111	27/11/2002	dfhahdfh	Suspended		Author
97	27/11/2002	adf	Incomplete	Submit for approval	Author
96	27/11/2002	rafdadfa	Incomplete	Submit for approval	Author

ETH Research Database

Swiss biotechNet - The biotechnology competence network of the universities of applied sciences of switzerland

http://mn.datapro.ly/biotechnet/index.php?gotop=http%3A/mn.datapro.ly/biotechnet/projects/...

BiotechNet

Willkommen bei Swiss BiotechNet

Contact | Feedback | Search | Logoff

Logged on as: Mr Guntars V.

Open a new project.

[Click to hide instruction](#)

To open a new project in the BiotechNet Research Database, please provide the information requested below.

- Clicking "Cancel" will abort the data entry without saving the information.
- Selecting "Enter details for this project" will save the information and bring you to the main project page where you may enter additional information such as a detailed description, name involved researchers, and upload graphics.
- Selecting "Open another project" will save the information for this project and allow you to open another project.
- Selecting "Save and go back" will save the information and bring you back to the previous page.

Project

Project owner*

Project author(s)*

Project title*

Abstract (limited to 300 characters)

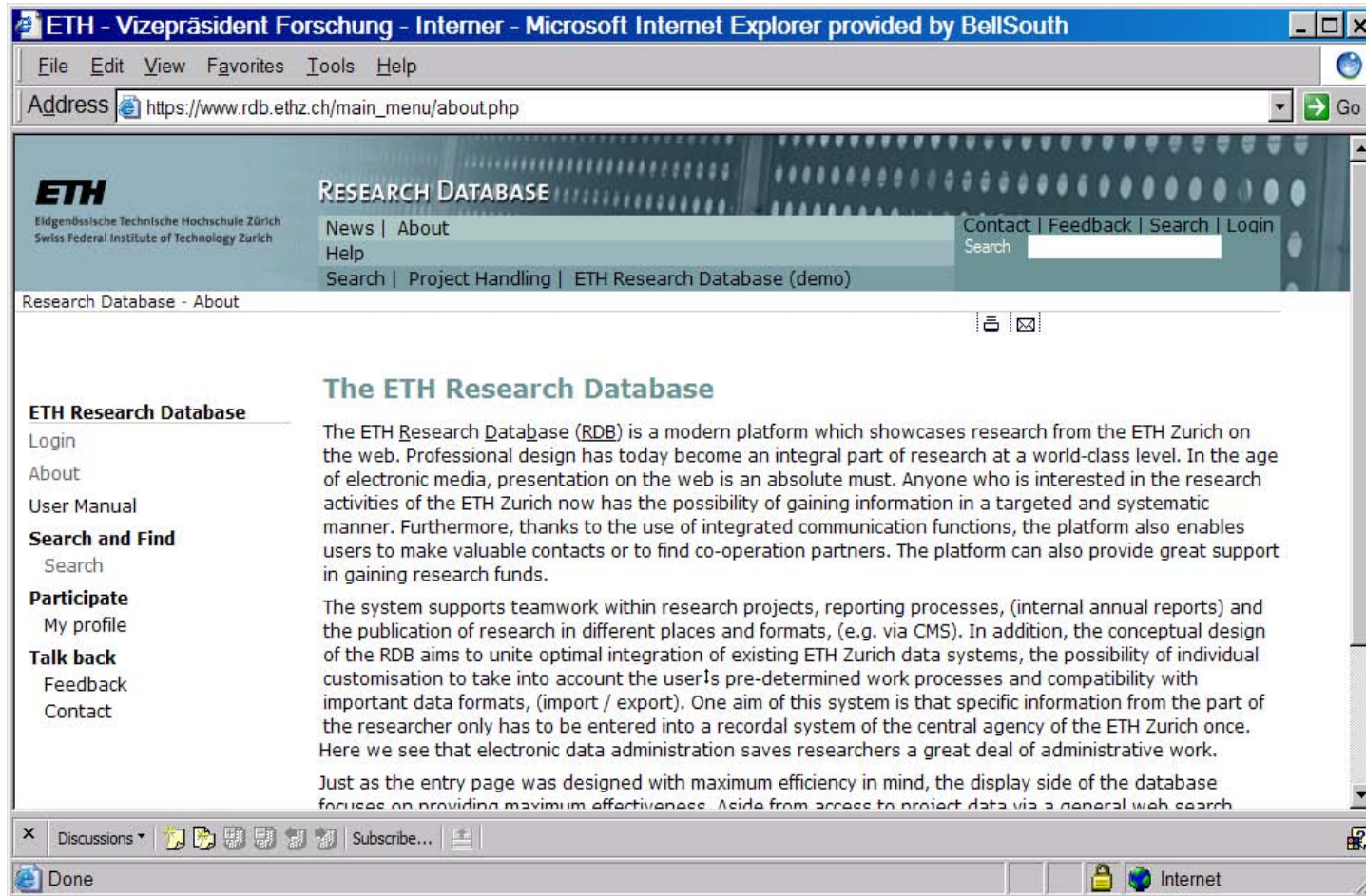
Kompetenzen*

AFM
 Biocore
 CE
 ELISA

BiotechNet



Demonstration of ETH Research Database

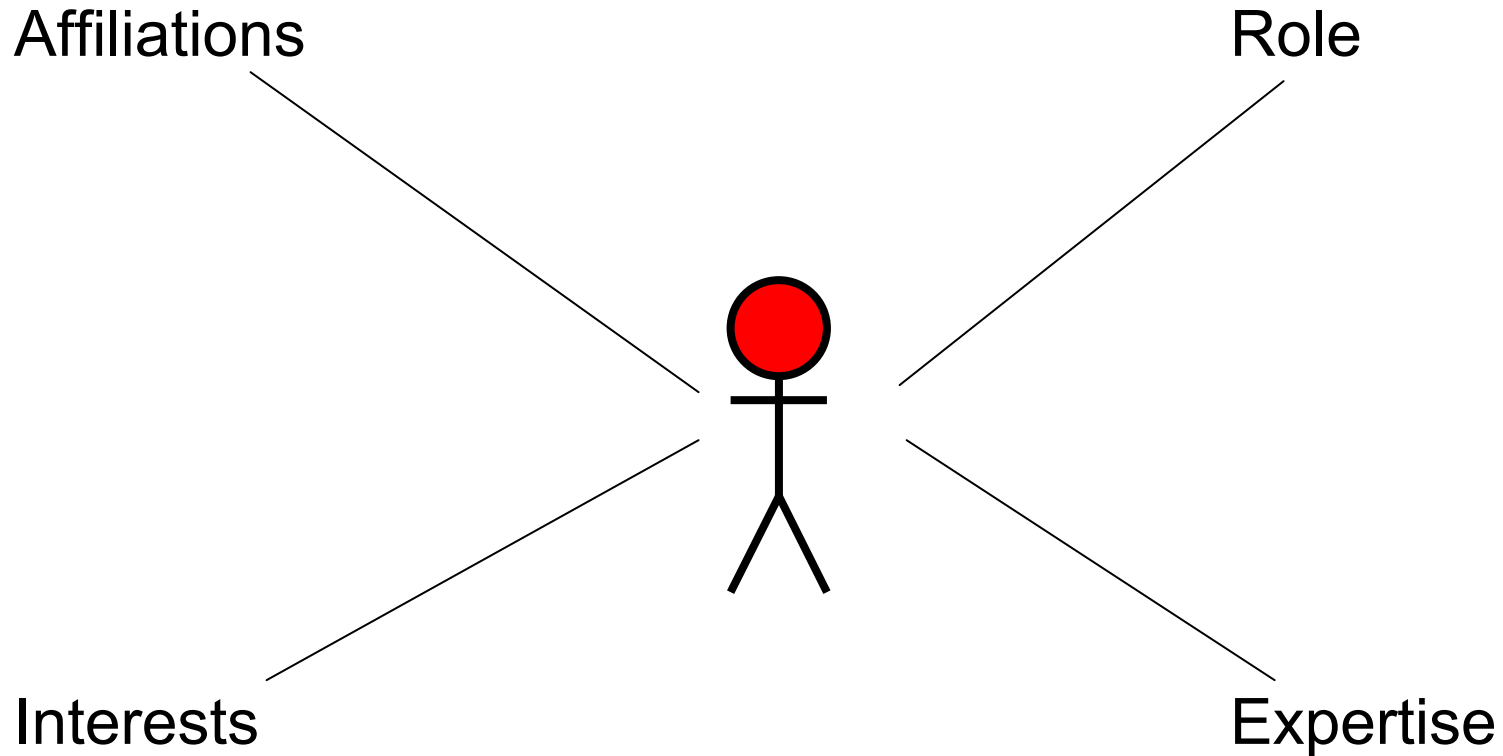


www.rdb.ethz.ch

Objective

- Inventory of ongoing research
- Inventory of internal and external research relations
- Internal and external researcher profiles
- Networking
- Collaboration
- Technology transfer
- Public relations
- Research Reporting Tool
- Publication Pool

Stakeholder (not only Researcher) Profile



Stakeholder Profile

The screenshot shows a Netscape browser window with the title "ETH - Vizepräsident Forschung - Interner - Netscape". The address bar contains "https://www.rdb.ethz.ch/profiles/". The page header includes the ETH logo and "RESEARCH DATABASE" with navigation links for News, About, Help, Search, Project Handling, and ETH Research Database (demo). A search bar is visible with the text "Search". The user is logged in as "Dr Felix Muhlebach".

ETH Research Database
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

RESEARCH DATABASE
News | About
Help
Search | Project Handling | ETH Research Database (demo)
Contact | Feedback | Search | Logoff
Search

Research Database - My profile
Logged on as: Dr Felix Muhlebach

My profile (Researcher: Felix Muhlebach).

- ▶ [Affiliated organisations](#)
- ▶ [Resume / Stations of career](#)
- ▶ [Affiliated publications](#)

Researcher's contact information

Salutation*	Dr
First Name*	Felix
Last Name*	Muhlebach
Address line 1	200 North Main Street
Address line 2	Suite C
Postal Code	27258
City	Graham
State	North Carolin
Country	United States
Phone number	1 336 221 9550
Fax	1 336 227 8440
Organisation	

ETH Research Database
Logoff
About
User Manual
Search and Find
Search
My subscriptions
Participate
My profile
Subscribe to
Project owners
Organizations
Research fields
Manage
Enter a project
Project list
Generate links
Annual Report
Administration
Talk back
Feedback

Business Object Profile

Affiliations

Status



Interests

Expertise



Business Object (not only Research) Profile

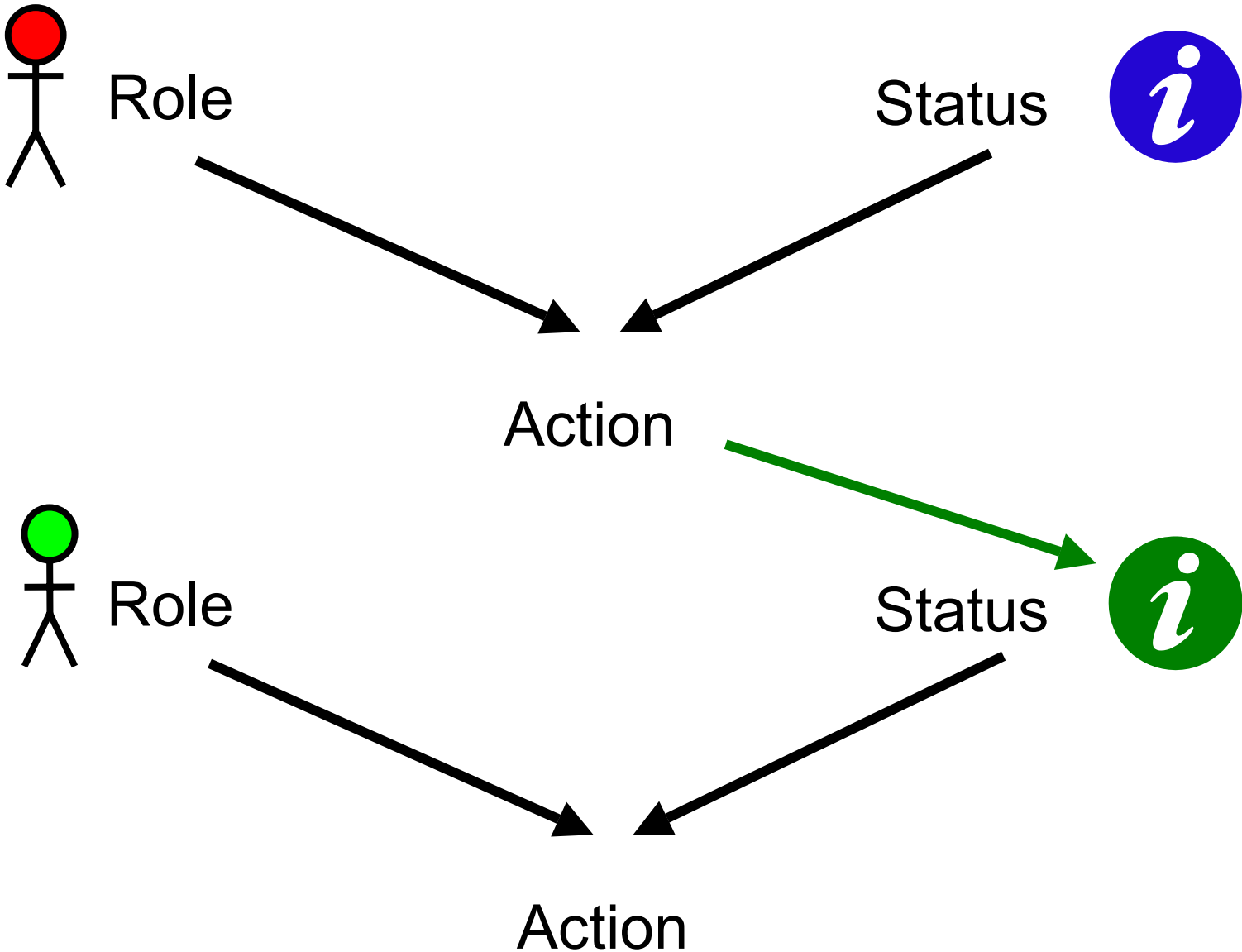
The screenshot shows a Microsoft Internet Explorer browser window with the title bar 'Protein Adsorption on Colloidal Oxide Particles - Microsoft Internet Explorer provided by BellSouth'. The address bar contains the URL 'https://www.rdb.ethz.ch/projects/project.php?type=search&proj_id=7983'. The main content area is titled 'Project view' and contains the following information:

This is project number 1 of the 40 projects found in this search

Project owner:	03270 Chair: Ludwig J. Gauckler <ludwig.gauckler@mat.ethz.ch> 02160 Department: Departement Materialwissenschaft
Project author(s):	Kurosch Rezwan <kurosch.rezwan@mat.ethz.ch>
Project title:	Protein Adsorption on Colloidal Oxide Particles
Project ID:	7983
Short Summary:	The aim of this project is to find the dependence of the protein adsorption behavior on the parameters such as pH, ionic strength and temperature in combination with the material properties such as surface charge, electrical conductivity, chemical composition and isoelectric point of the protein.
Research fields (keywords):	10 Chemistry
Project status:	Ongoing (2001-06-15)
Funding sources:	Funding source 1: Others
Participating researchers:	Project Leader(s): Ludwig J. Gauckler (ludwig.gauckler@mat.ethz.ch) ETH Researcher(s): Kurosch Rezwan (kurosch.rezwan@mat.ethz.ch)
Links to important web pages:	Link 1: http://www.nonmet.mat.ethz.ch/research/colloidal_chemistry_ceramic_processing/interactions_of_proteins_with_metal

Click [here](#) to download a complete documentation of this project as a PDF file.

Work Flows: Role and Status enable Action



BingoSheet: Who May Do What When

Forschung - Interne - Microsoft Internet Explorer... - [] [] [X]

File Tools Help

Search Favorites Media

ethz.ch/internal/acl/index.php?f_role=0

Access rights for role "Owner"

Possible project statuses:	No project	INC	PEN	PBL	SPD	DEL
Create project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update project information (+ View)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View project's internal information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
View subscribers list	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accept participation in a project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Decline participation in a project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can delegate rights	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Add / delete authors for project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subscribe to project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsubscribe from project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submit project for approval	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Publish project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reject project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suspend project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resume suspended project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Internet

Forschung - Interne - Microsoft Internet Explorer... - [] [] [X]

File Tools Help

Search Favorites Media

ethz.ch/internal/acl/index.php?f_role=D

Access rights for role "Anonymous"

Possible project statuses:	No project	INC	PEN	PBL	SPD	DEL
Create project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Update project information (+ View)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View project's internal information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View subscribers list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accept participation in a project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Decline participation in a project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can delegate rights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add / delete authors for project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subscribe to project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unsubscribe from project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submit project for approval	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Publish project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reject project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suspend project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resume suspended	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Internet

Collaboration

Microsoft Internet Explorer provided by BellSouth

File Edit View Favorites Tools Help

Funding source 1: KTI

Participating researchers: [Edit](#)

Persons with privileged access: [Edit](#)

Partner organisations: [Edit](#)

Project description: [Edit](#)

Graphics: [Edit](#)

Publications: [Edit](#)

Links to important web pages:

Popular description:

Remind me about this project in 3

Click [here](#) to download a complete

[Publish](#) [Archive](#) [Decline](#)

[Contact research team](#)

TOP

Discussions [Subscribe...](#)

Internet

Persons with privileged access

Microsoft Internet Explorer provided by BellSouth

File Edit View Favorites Tools Help

ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

RESEARCH DATABASE

News | About
Help
Search | Project Handling |
Database (demo)

Research Database - Projects list - Project 12320 - Delegating rights
Kägi

Determine Roles and Rights

ETH Research Database

Logoff

About

User Manual

Search and Find

Search

My subscriptions

Participate

My profile [Save](#)

Subscribe to [Back](#)

Project owners

Organizations

Access rights für 'Felix Kägi' (Project: 12320 "xcCVsaV").

Delegating rights

Submit project for approval

Update project information (+ View)

View project

Discussions [Subscribe...](#)

Done

Internet

Microsoft Internet Explorer provided by BellSouth

File Edit View Favorites Tools Help

Search and Find

Search

My subscriptions

Participate

My profile

Subscribe to

Project owners

Organizations

Research fields

Manage

Enter a project

Project list

Generate links

Annual Report

Talk back

Project view

Publication status: Published

Project owner: 03554 chair: Wilhelm Grissem <mnbugs@dataapro.lv>

Project author(s): Wilhelm Grissem <mnbugs@dataapro.lv>

Project title: Glyphosate tolerance as a plastid-specific selective marker

Project ID: 14166

Project status: Ongoing (1997-06-30)

Persons with privileged access: [Edit](#)

Project description: Two different principles can be employed to selectively amplify transformed plastids: expression of a detoxifying enzyme (like neomycin-phosphotransferase or aminoglycoside 3'-adenilyltransferase) or over-expression of the target enzyme of a selective agent. We evaluate the E. coli aroA gene (encodi... [Click to expand](#)

Remind me about this project in - days

Click [here](#) to download a complete documentation of this project as a PDF file.

[Archive](#) [Suspend](#) [Create new version](#) [Subscribe](#) [Contact research team](#)

[Back](#)

Discussions [Subscribe...](#)

Discussions not available on <http://ois-stg-apa1.ethz.ch/>

Done

Internet

Collaborate on new versions

Conclusion

- There is a demand for research results outside of the science community
- The business model of turning research results into innovation and innovation into jobs works
- A portal is one important prerequisite to kick-start the business model
- Innovation portals are readily and cost-effectively available from MatchingNeeds
- Don't waste your time and money developing a portal – spend it wisely to market and promote the service of turning research into jobs to all interested stakeholders

Thank You!

Contact

Science Community

Jan Poort

Matching**N**eeds (Switzerland)
Im Dornaecker 20
8967 Widen
Switzerland

Phone: +31 (076) 5656778
Mobile: +31 (06) 22666551

service@matchingneeds.com

USA

Felix Muhlebach, CEO

Matching**N**eeds
200 North Main Street
Graham, NC 27253
USA

Phone: 336 221 9550
Fax: 336 227 8440

service@matchingneeds.com

