

# META-FORESIGHT

## Software Platform and Tools

Nicos Komninos, Lina Kyrgiafini, Elena Sefertzi

URENIO Research Unit – Aristotle University  
[www.urenio.org](http://www.urenio.org)

Metaforesight Conference on Integrating Intelligence  
Caceres, Spain, 6 - 7 October 2005

# 1. Introduction

## Meta-foresight is about Regional intelligence

### Definition of RI:

- a *localized network* of distributed informational systems / modules;
- which were developed by *organizations* to inform different groups of a territory, locality or region;
- that uses *human and artificial intelligence* in the collection, processing, and dissemination of information;
- communicates via the *Internet*; and
- the constituting modules are *integrated* so effectively that become indistinguishable for the external user.

# 1. Introduction

## *Meta-foresight as regional intelligence differs from BI*

### Business intelligence

- Is a **company activity** to overview its internal and external environment, with the intention of finding information that can be incorporated into management processes.
- Business intelligence has evolved out of traditional decision-support systems which gradually incorporated **in-house databases** (~ 1985), data warehousing, ERPs (~1995), customer relationship management CRM (~2000), and integrated business intelligence applications (~ 2003).

### Regional / territorial intelligence

- At the other side of business intelligence is regional or territorial intelligence. This may be defined as an **informational network linking information stakeholders of a locality**.
- It is a network allowing ‘an **observation strategy** towards the competitors, the markets, and the environment.
- These practices lead to an **economic intelligence** approach, which, when applied to the territory, is called territorial intelligence’.

# 1. Introduction

## Metaforesight

Meta-Foresight is a project in the field of regional collective intelligence: the objective is to **create a system of RI.**

● The problem to solve is **integration** of information offered by providers located into a region.

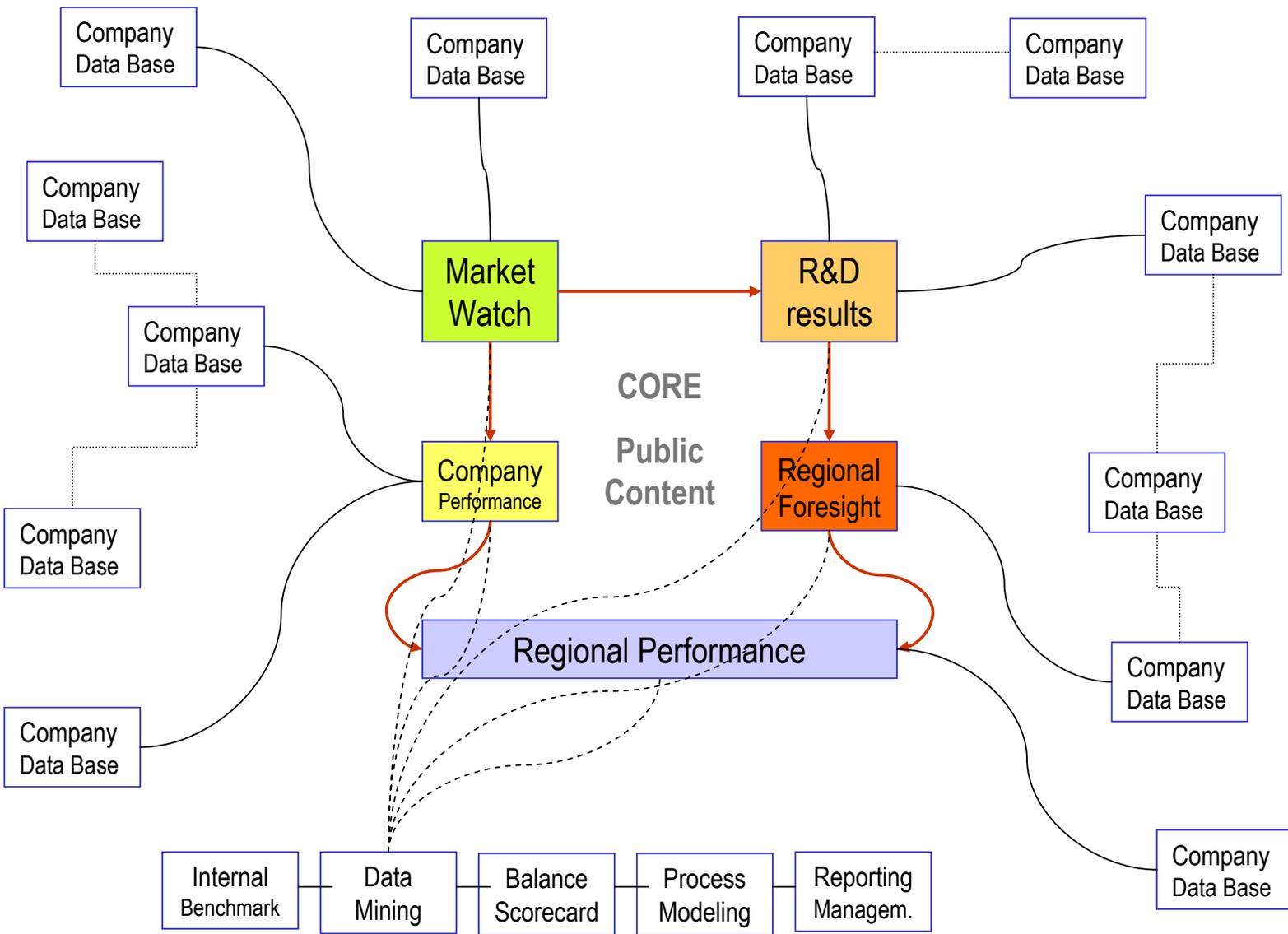
Integration in the supply side: Bring independent information providers to work together under a network structure.

Integration in the demand side: Feed back from the user integrated into the processing of information.

● **Four integration principles** are: (1) a network of information stakeholders, (2) a model of content integration combining information from audits, Foresight, Benchmarking, R&D, Technological Watch, and Technological Skills, (3) focus on industry sectors and companies, and (4) a web-based platform and tools assisting information integration.

# 1. Introduction

## Regional intelligence



Inside the Company Data Base

# 2. Meta-Foresight Platform

## Main instrument for achieving information integration



### Project Partners



**URENIO Research Unit**  
Aristotle University of Thessaloniki  
Central Macedonia, Greece

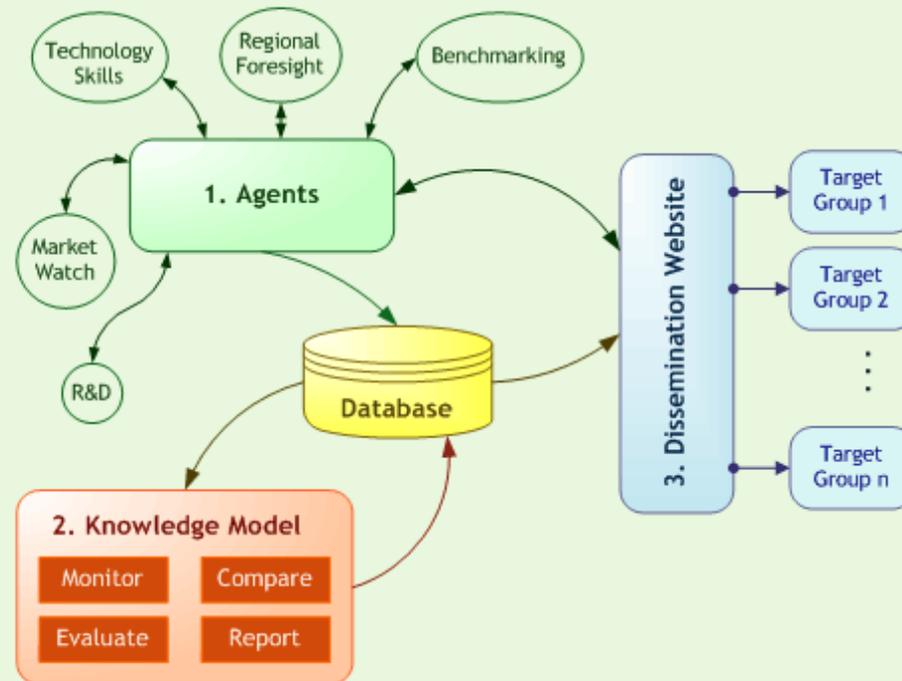


**FUNDECYT**  
Foundation for the Development  
of Science and Technology  
Extremadura, Spain



**University of Wales, Cardiff**  
East Wales, United Kingdom

### MetaForesight Model



MetaForesight aims to produce an integrated information application, fostering regional knowledge-based capacities and policies, and supporting regional business intelligence through learning process at the regional and interregional level.

Web site: [www.urenio.org/metaforesight](http://www.urenio.org/metaforesight)

Activities	Deliverables
1. Review of existing information systems	D1. 1 <sup>st</sup> Sc meeting – Kick-off D2. Survey on existing information systems
2. Analysis of selected case studies	D3. Report on the analysis of 5 case studies in the fields of Foresight, R&D, Watch, Benchmarking, Skills
3. Development of Knowledge model	D4. Design of a model for knowledge / information integration in the 5 fields of F-B-R&D-W-S D5. 2 <sup>nd</sup> SC meeting
4. Development of software application	D6. Software application and content management tools: Collection, Analysis, Dissemination
5. Testing and Evaluation	D7. On-going evaluation report D8. Testing of the software application D9. 3 <sup>rd</sup> SC meeting
6. Promotion/ dissemination	D10. Web site D11. 5 promotion leaflets (1 per partner) D12. Publication of application guide D13. Final conference
7. Management	D14. Interim report D15. Final report

# 2. Meta-Foresight Platform

## Overview: Three components

www.urenio.org - Contact - IRE Network

**MetaForesight**  
Towards the knowledge-based economy

EUROPEAN RESEARCH AREA  
Regions of Knowledge

Home Project Partners Library Links Conference Cooperation MetaForesight Platform

### Project Partners



**URENIO Research Unit**  
Aristotle University of Thessaloniki  
Central Macedonia, Greece

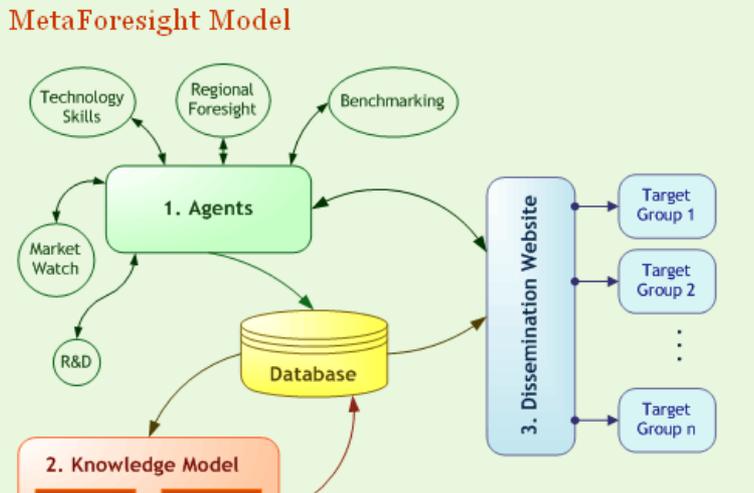


**FUNDECYT**  
Foundation for the Development of Science and Technology  
Extremadura, Spain



**University of Wales, Cardiff**  
East Wales, United Kingdom

**INFYDE S.L**  
Informacion y Desarrollo S.L.  
Basque Country, Spain



MetaForesight aims to produce an integrated information system that identifies regional knowledge-based capacities and policies and disseminates intelligence through learning process at the regional level.

[More »](#)

### About the Project

### Objectives

The origin of the project is to embrace crucial issues for knowledge development in EU regions. Main goal is to develop an intelligent application...

### Platform Overview

Home Project Partners Library Links Conference Cooperation **MetaForesight Platform**

#### Components

- Portal
- Toolbox
- Guide

### Latest Files

- Progress Check List
- 2nd Progress Report
- 1st Progress Report

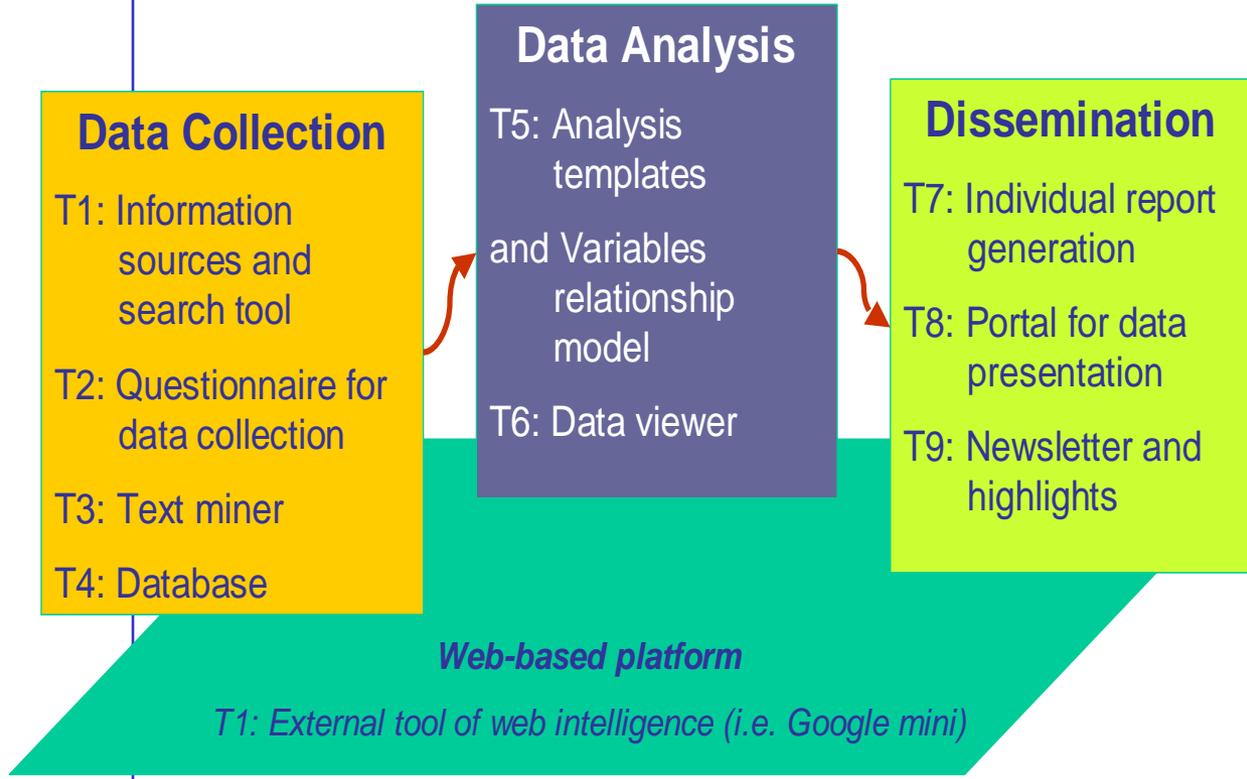
# 2. Meta-Foresight Platform

## Tools for information integration

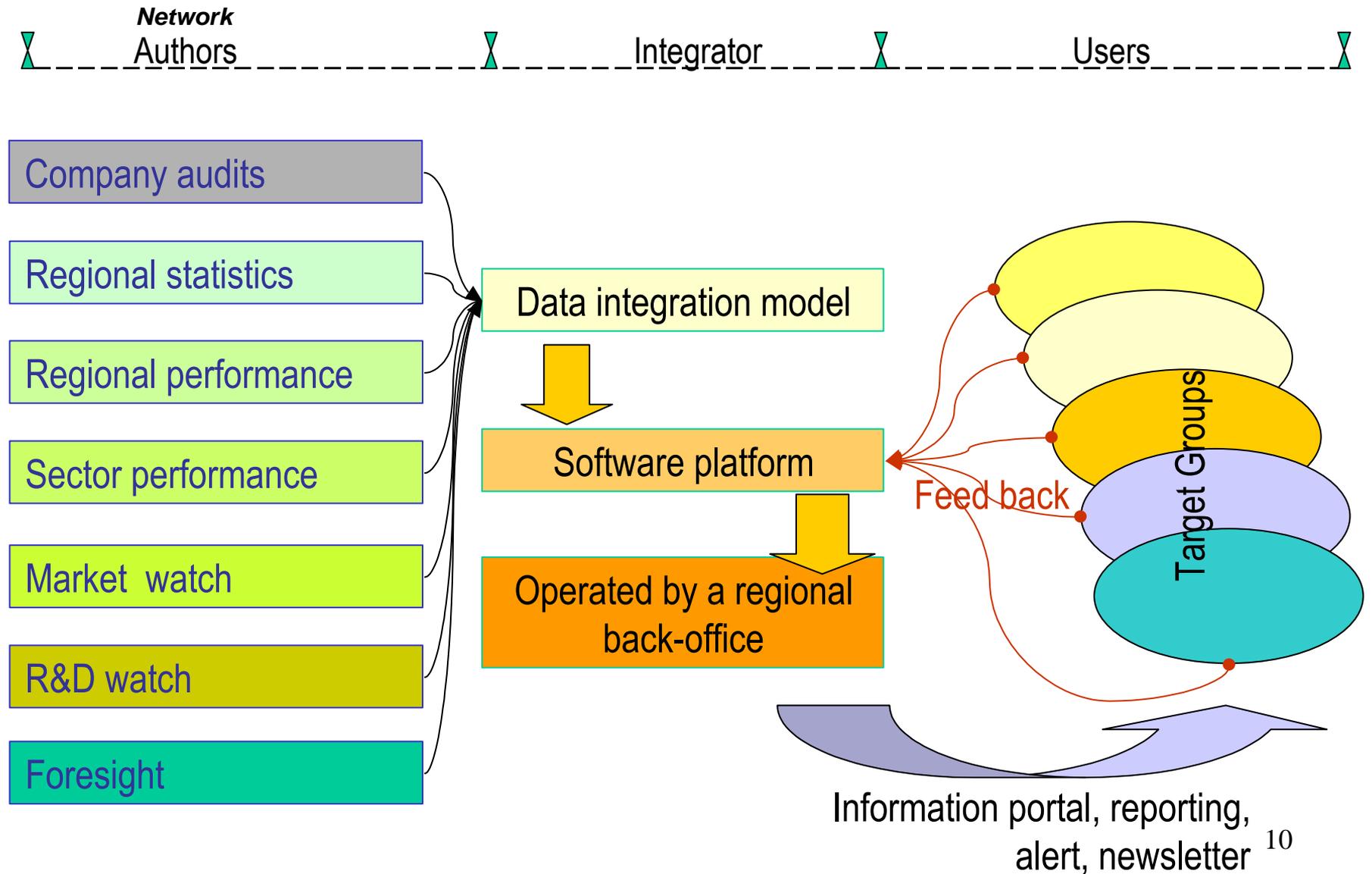
Nine tools in 3 functions:

- Data collection
- Data analysis
- Dissemination

1. List of sources
2. Text miner
3. Data collection Q.
4. Data base
5. Analysis templates
6. Data viewer
7. Company report
8. Portal for sectors
9. Newsletter



# 2. Meta-Foresight Platform Structure

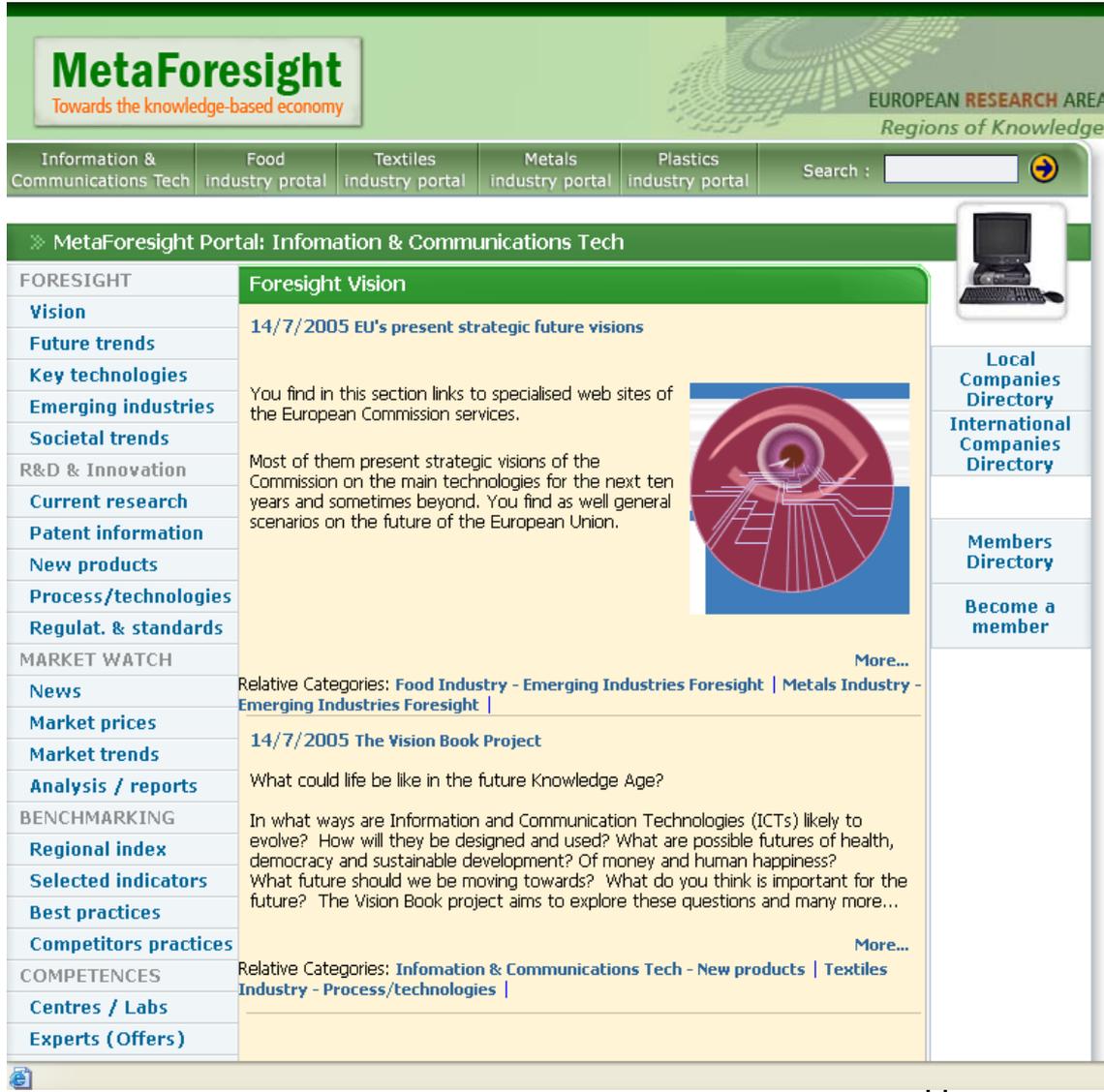


# 3. Two applications:

## A. The sector: Trends in markets & technologies

The portal includes three levels:

- (1) The **users**, regional authorities and institutions, intermediary organisations, companies may scroll the stories available or search for a specific topic in the database of the portal, though the search engine provided.
- (2) the **authors/** organisations access the application through login process, complete the data entry templates and feed the portal database;
- (3) the **administrator** is responsible for the monitoring of the whole application, the coordination of the regional technology cooperation network for the collection of 'stories', the validation of the stories and the maintenance of the portal;

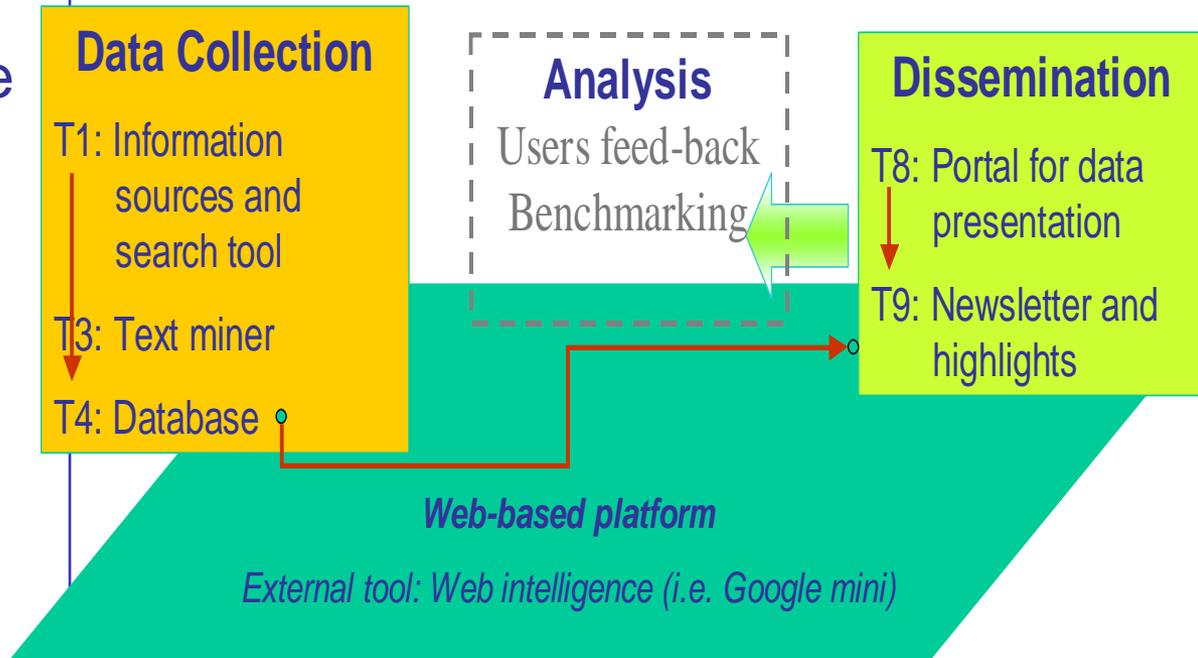


The screenshot shows the MetaForesight portal interface. At the top, there is a navigation bar with categories: Information & Communications Tech, Food industry portal, Textiles industry portal, Metals industry portal, and Plastics industry portal. A search bar is located on the right. The main content area is titled 'MetaForesight Portal: Information & Communications Tech'. It features a sidebar with a table of contents including sections like FORESIGHT, MARKET WATCH, BENCHMARKING, and COMPETENCES. The main content area displays 'Foresight Vision' with a date '14/7/2005' and a title 'EU's present strategic future visions'. It includes a paragraph of text and a circular graphic with a stylized eye. On the right side, there are several directories: Local Companies Directory, International Companies Directory, Members Directory, and Become a member. The bottom of the page shows a small icon of a computer monitor.

### 3. The sector

## Users: Portal, newsletters and feed-back

- Users are informed through stories written by the authors
- The portal supports the creation of newsletters, collecting information from the 'stories' and communicated via email
- We have described a solution of information assessment and ranking by the users, giving feed-back to the authors and guiding information selection



### 3. The sector

#### *Authors and administrator: Entry point*

- Data collection is based on a network of ‘authors’ who feed the portal
- The author after login selects the industry sector in which intends to write a ‘story’
- The portal covers by default five sectors, which are flexible and may change



**MetaForesight**  
Towards the knowledge-based economy

Information & Communications Tech | Food industry portal | Textiles industry portal | Metals industry portal | Plastics industry portal

EUROPEAN RESEARCH AREA  
Regions of Knowledge

**Login**

User name:

Password:

**Login**

© 2005 MetaForesight partners | komninos@urenio.org

# 3. The sector

Author: Sector selection

- The portal covers the main industry sectors / clusters in a region
- We estimate that most of the productive activity of a region is usually included in five sectors
- Information is structured in 5 fields (foresight, R&D, market watch, benchmarking, and skills) and 20 sub-fields
- Flexibility to add or remove fields / sub-fields

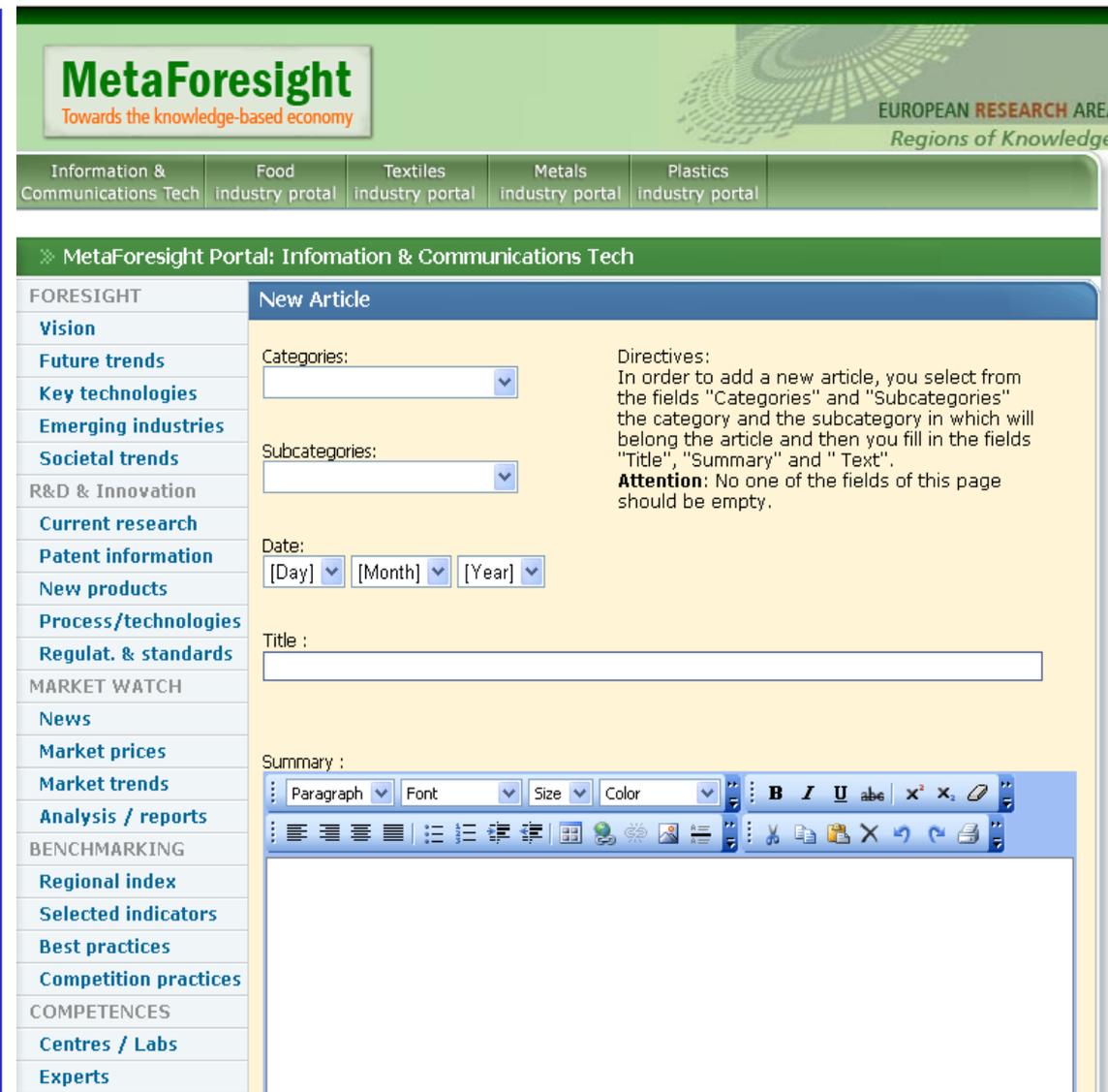


# 3. The sector

## Author: Story entry

The authors add new stories on the portal:

- Selecting category and subcategory
- Date of entry
- Title
- Summary
- Full story
- Relation of the story to other categories or sub-categories
- Format the text



**MetaForesight**  
Towards the knowledge-based economy

Information & Communications Tech | Food industry portal | Textiles industry portal | Metals industry portal | Plastics industry portal

EUROPEAN RESEARCH AREA  
Regions of Knowledge

MetaForesight Portal: Information & Communications Tech

**FORESIGHT**

- Vision
- Future trends
- Key technologies
- Emerging industries
- Societal trends
- R&D & Innovation
- Current research
- Patent information
- New products
- Process/technologies
- Regulat. & standards

**MARKET WATCH**

- News
- Market prices
- Market trends
- Analysis / reports

**BENCHMARKING**

- Regional index
- Selected indicators
- Best practices
- Competition practices

**COMPETENCES**

- Centres / Labs
- Experts

**New Article**

Categories:

Subcategories:

Date: [Day] [Month] [Year]

Title:

Summary:

Directives:  
In order to add a new article, you select from the fields "Categories" and "Subcategories" the category and the subcategory in which will belong the article and then you fill in the fields "Title", "Summary" and "Text".  
**Attention:** No one of the fields of this page should be empty.

# 3. The sector Administrator

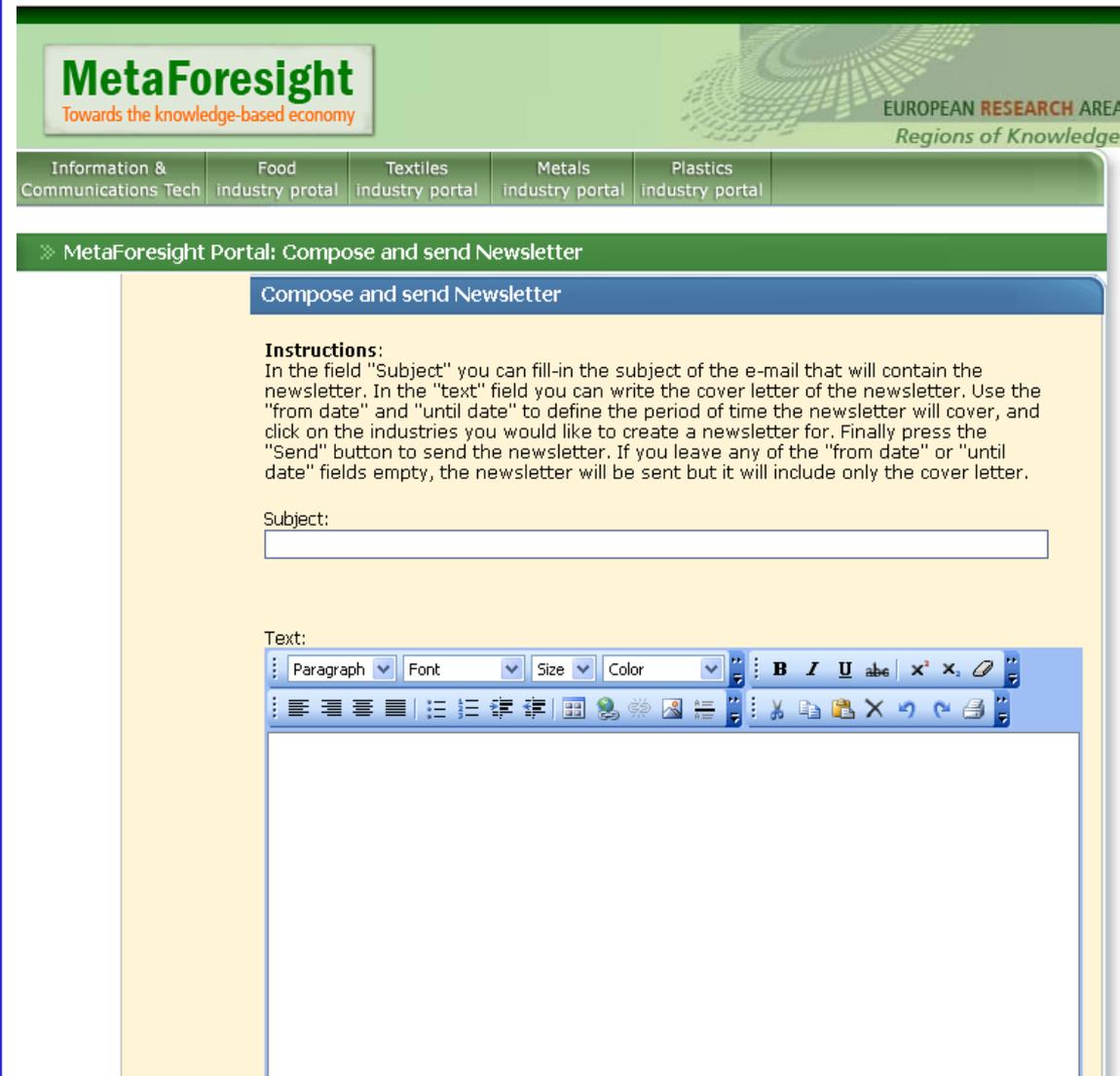
Administrator has the overall responsibility of the Portal. He/she may

- Create authors' accounts and provide login passwords
- Edit or delete 'authors'
- Add new categories or remove a category
- Write or edit articles
- Add or remove members

The screenshot shows the MetaForesight portal interface. At the top, there is a navigation bar with links for 'Information & Communications Tech', 'Food industry portal', 'Textiles industry portal', 'Metals industry portal', and 'Plastics industry portal'. The main content area is titled 'MetaForesight Portal: Information & Communications Tech' and contains a list of administrative actions under various categories: 'Categories' (New Category, Rename Category/Subcategory, Delete Category/Subcategory), 'Articles' (New Article, Edit-Delete article), 'Members' (Edit-Delete member), 'Local directories' (New company, Edit-Delete Company), and 'International directories' (New company, Edit-Delete Company). There are also links for 'Create new User' and 'Edit - Delete User'. The footer of the page includes the copyright notice '© 2005 MetaForesight partners | komninos@urenio.org'.

# 3. The sector Administrator: Newsletter

- In the field 'Subject' the administrator defines the subject of the e-mail that contains the newsletter
- In the 'text' field composes the cover letter of the newsletter
- 'From date' and 'until date' defines the period of time the newsletter will cover
- On 'industries' selects the sectors covered by the newsletter



**MetaForesight**  
Towards the knowledge-based economy

Information & Communications Tech | Food industry portal | Textiles industry portal | Metals industry portal | Plastics industry portal

EUROPEAN RESEARCH AREA  
Regions of Knowledge

MetaForesight Portal: Compose and send Newsletter

Compose and send Newsletter

**Instructions:**  
In the field "Subject" you can fill-in the subject of the e-mail that will contain the newsletter. In the "text" field you can write the cover letter of the newsletter. Use the "from date" and "until date" to define the period of time the newsletter will cover, and click on the industries you would like to create a newsletter for. Finally press the "Send" button to send the newsletter. If you leave any of the "from date" or "until date" fields empty, the newsletter will be sent but it will include only the cover letter.

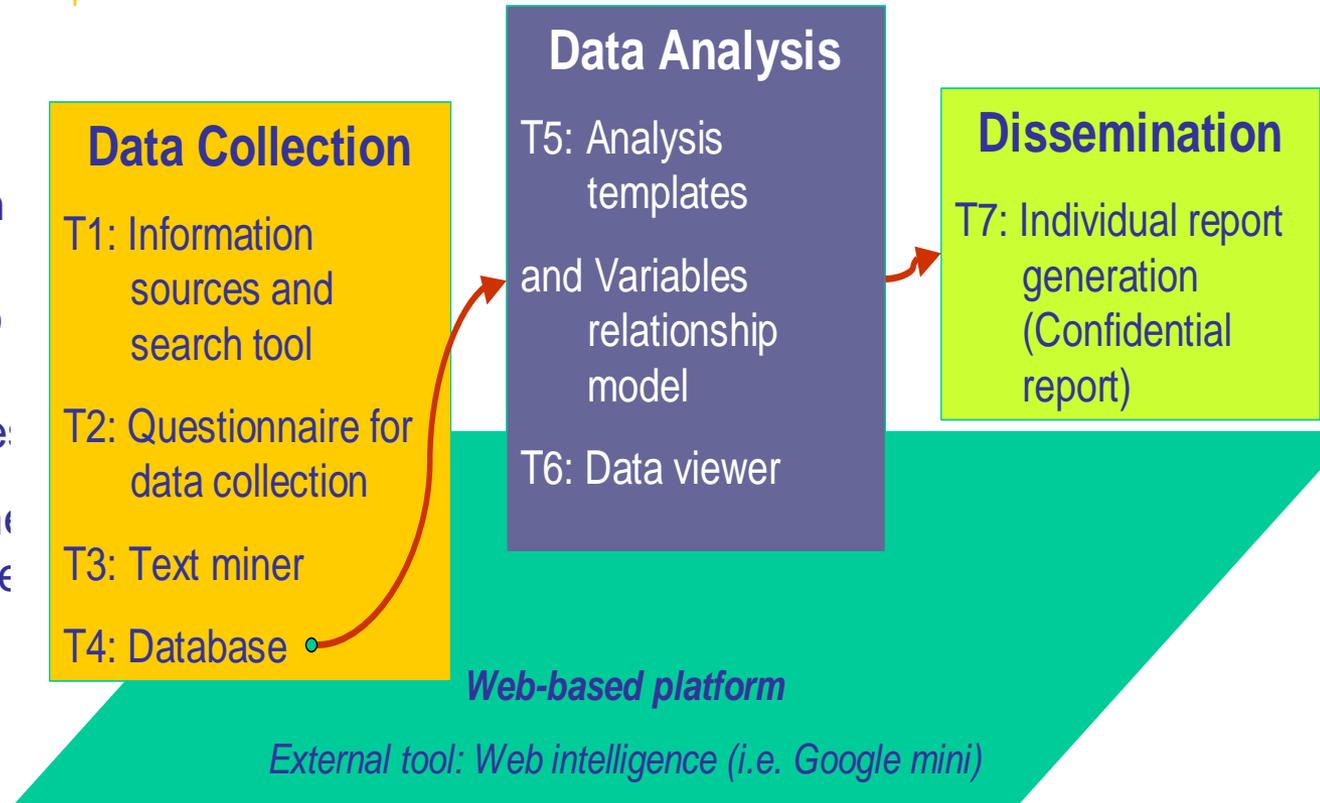
Subject:

Text:  


# 4. Application B

## Confidential company report

- The confidential company report starts with a company audit
- It is based on a structured questionnaire, which highlights the main issues that a company wants to know in order to improve its technological and innovation capabilities:
- The information from the company audit is combined with data concerning the region and the sector where the company belongs, the markets, related technologies and research outcomes



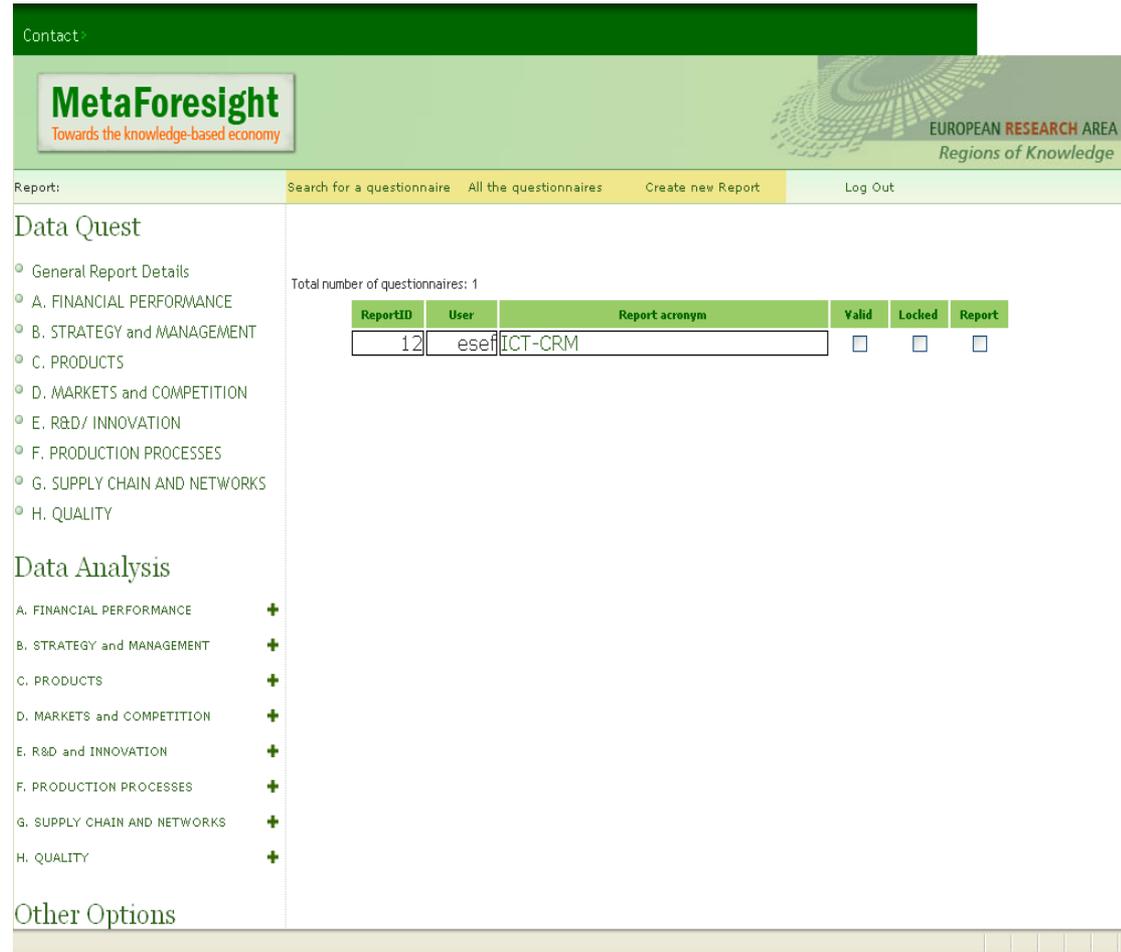
# 4. Confidential company report

## Creation of a report and data entry

➤ Data for the CCR cover all major fields of the company activity, but mainly the fields related to innovation, technologies, and processes.

➤ CCR is structured in 8 sections:

- A. Financial performance
- B. Strategy and management
- C. Products
- D. Markets and competition
- E. Research and innovation
- F. Production processes
- G. Supply chain and networks
- H. Quality and standards



The screenshot shows the MetaForesight web application interface. At the top, there is a navigation bar with a 'Contact' link. Below it is the MetaForesight logo with the tagline 'Towards the knowledge-based economy'. To the right, there is a graphic of a globe and the text 'EUROPEAN RESEARCH AREA Regions of Knowledge'. Below the navigation bar, there are four tabs: 'Report:', 'Search for a questionnaire', 'All the questionnaires', 'Create new Report', and 'Log Out'. The 'Create new Report' tab is currently selected. The main content area is divided into two sections: 'Data Quest' and 'Data Analysis'. Under 'Data Quest', there is a list of 8 sections (A-H) with radio buttons next to each. Under 'Data Analysis', there is a list of 8 sections (A-H) with plus signs next to each. Below these sections, there is a table showing the total number of questionnaires (1) and a table with columns for ReportID, User, Report acronym, Valid, Locked, and Report. The table contains one row with the following data: ReportID: 12, User: esef, Report acronym: ICT-CRM, Valid: , Locked: , Report: .

# 4. Confidential company report

## Thematic fields of data entry

- Each section includes 7 thematic fields, corresponding to data coming from and examining the company, the region, the sector, market trends, research results, technology foresight results, competences and skills.
- Data are both quantitative and qualitative based on selected indicators and comments

Contact:



**MetaForesight**  
Towards the knowledge-based economy



EUROPEAN RESEARCH AREA  
Regions of Knowledge

Report: ICT-CRM
Search for a questionnaire
All the questionnaires
Create new Report
Log Out

### Data Quest

- General Report Details
- A. FINANCIAL PERFORMANCE
- B. STRATEGY and MANAGEMENT
- C. PRODUCTS
- D. MARKETS and COMPETITION
- E. R&D/ INNOVATION
- F. PRODUCTION PROCESSES
- G. SUPPLY CHAIN AND NETWORKS
- H. QUALITY

### Data Analysis

- A. FINANCIAL PERFORMANCE +
- B. STRATEGY and MANAGEMENT +
- C. PRODUCTS +
- D. MARKETS and COMPETITION +
- E. R&D and INNOVATION +
- F. PRODUCTION PROCESSES +
- G. SUPPLY CHAIN AND NETWORKS +
- H. QUALITY +

### Other Options

**A. FINANCIAL PERFORMANCE**

**A1 - COMPANY**

↑Top   ↓Bottom	
↑Top   ↓Bottom	
A1- i1 Return on equity (Pre-tax profit/overall own funds)	0,00079
A1- i2 Return on capital employed (Pre-tax profit/(overall own funds + long-term liabilities))	0,00079
A1- i3 Gross profit ratio (Gross profit/total sales)	0,0005
A1- i4 Net profit ratio (Pre-tax profit/total sales)	0,000005
A1- i5 Debt to equity ratio (Total liabilities/overall own funds)	0,01529
A1- i6 Equity to capital employed (Overall own funds/(overall own funds + long term liabilities))	0,00047
A1- i7 Equity on assets (Overall own funds/total fixed assets)	0,0307
A1-i8 Stock turnover (days) (Total stock*365/total sales)	0,17021
A1-i9 Requirements turnover (days) (Requirements*365/sales)	0,32575
A1-i10 Current ratio (Total current assets/ total short-term liabilities)	0,00343
A1-i11 Turnover / Employee	95114,45
A1-i12 Gross profit / Employee	18448,25

**A2 - REGION**

↑Top   ↓Bottom	
↑Top   ↓Bottom	
A2-i1 GDP per capita	11,701
A2-i2 Total number of employees	673,1
A2-i3 Investments	8,3
A2-i4 Productivity index	69
A2-i5 Competitiveness index	
A2-i6 Share of added value to salaries	

# 4. Confidential company report

## Data sources and focus

- FINANCIAL
- STRATEGY/ MANAGEMENT
- PRODUCTS
- MARKETS / COMPETITION
- R&D / INNOVATION
- PRODUCTION PROCESSES
- SUPPLY CHAIN
- QUALITY / STANDARDS

Target area	Source	Type of data	Data focus
Company	Company audit	I: Quantitative and C: Qualitative	<b>Company practices:</b> Financial, Management, Products, Markets, Innovation, Production, SC, Quality
Region	Regional statistics and development programmes	I: Quantitative and C: Qualitative	<b>The company within the region:</b> Regional statistics or Regional practice
Sector	Benchmarking applications	I: Quantitative	<b>The company within the sector:</b> Benchmarking with respect to max number of companies of the same sector
Market watch	Market intelligence applications	I: Quantitative and C: Qualitative	<b>Most important facts</b> related to the company practices from <ul style="list-style-type: none"> <li>• The sector</li> <li>• The region</li> <li>• Globally</li> </ul>
R&D watch	R&D dissemination applications	C: Qualitative	<b>Most important R&amp;D</b> related to the company practices from <ul style="list-style-type: none"> <li>• Regional R&amp;D</li> <li>• EU R&amp;D</li> <li>• EPO patents</li> </ul>
Foresight	Regional / national foresight exercises	C: Qualitative	<b>Future or emerging trends</b> related <ul style="list-style-type: none"> <li>• The region</li> <li>• The sector</li> <li>• The practices of the company</li> </ul>
Competence centres in the region and the sector	Regional survey, web, associations, clusters,	C: Qualitative	<b>Competences,</b> skills and services related to the company practices

# 4. Confidential company report

## Themes and questions distribution

	Company	Region	Sector	Market watch	R&D watch	Foresight	Competences	
FINANCIAL	12	9	12	6		8		47
STRATEGY/ MANAGEMENT	21	5	21	3			1	51
PRODUCTS	8	11	6	2	3	3	4	37
MARKETS / COMPETITION	15	3	15	6		2	3	44
R&D / INNOVATION	15	14	10	3	3	5	4	54
PRODUCTION PROCESSES	27	8	18	4	3	2	4	66
SUPPLY CHAIN	16	3	16	2	3	2	4	46
QUALITY / STANDARDS	10		10	2		2	4	28
	124	53	108	28	12	24	24	373

# 4. Confidential company report

## Text miner

- The text-miner facilitates data collection for a free text question.
- It allows to mark useful information on the Internet, both qualitative data and qualitative comments, and then transfer it to the database.
- It creates a separate record for each entry, while preserving information about the data source.
- To use the text miner:
  - Press the information balloon near the free text frame.
  - A selection of web sites appears.
  - Inside the web sites select data to be transferred to the database

Microsoft Internet Explorer window showing the Cordis Technology Marketplace website. The browser title is "ShowURLs - Microsoft Internet Explorer". The address bar shows "http://www.cordis.lu/marketplace/". The website header includes "Cordis technology Market Place", "Urenio", "FOOD TECHNOLOGY INTELLIGENCE INC.", and "Usefull links". A "Legal Notice" is visible. The main content area features a "Technology Marketplace" banner with the tagline "Connecting people to technology". Below the banner are navigation links: "home", "browse offers", "search", "other features", and "news and events". A "Welcome to Technology Marketplace" section is followed by a "business" and "science" cloud. The "FP6 RESEARCH THEMES" section lists "Simulating communicative interaction" as a theme. A "Tell us your story" section with an "e-mail alert service ..." link is also present. The bottom of the page has a "Select Marked Text" button and "Compose" and "Cancel" buttons.

# 4. Confidential company report Analysis

- Data analysis guides the writing of the CCR
- It is organised in 8 sections, the same to the sections of data collection and entry
- A template guides data analysis in section, structured in themes and questions, which are filled by free text or tables
- The data viewer helps to see available data on the data base.

**Data Quest**

- General Report Details
- A. FINANCIAL PERFORMANCE
- B. STRATEGY and MANAGEMENT
- C. PRODUCTS
- D. MARKETS and COMPETITION
- E. R&D/ INNOVATION
- F. PRODUCTION PROCESSES
- G. SUPPLY CHAIN AND NETWORKS
- H. QUALITY

**Data Analysis**

- A. FINANCIAL PERFORMANCE
  - A1. The Company
  - A2. THE COMPANY WITHIN THE REGION
  - A3. THE COMPANY WITHIN THE SECTOR
  - A4. MARKET WATCH
  - A6. FORESIGHT TRENDS
  - CONCLUSIONS OF SECTION A
- B. STRATEGY and MANAGEMENT
- C. PRODUCTS
- D. MARKETS and COMPETITION
- E. R&D and INNOVATION
- F. PRODUCTION PROCESSES
- G. SUPPLY CHAIN AND NETWORKS
- H. QUALITY

**A2. THE COMPANY WITHIN THE REGION**

**A2.1. Regional economic statistics**

*Make a Table using data and indicators on the region's statistics, using variables A2-i1 to A2-i9.*

Index	Description
14	A2-i1 GDP
15	A2-i2 Total number of employees
16	A2-i3 Investments
17	A2-i4 Productivity index
18	A2-i5 Competitiveness index
19	A2-i6 Share of added value to salaries
20	A2-i7 Share of added value to taxes
21	A2-i8 Share of added value to gross profits
22	A2-i9 Average salary

Index	Real Value	Maximum	Minimum	Average	Standard Deviation	Sample
14	11,7	11,7	11,7	11,7		1
15	673,1	673,1	673,1	673,1		1
16	8,3	8,3	8,3	8,3		1
17	69	69	69	69		1
18		1	1	1		1
19						0
20						0
21						0
22	11,15	11,15	11,15	11,15		1

**A2.2. Regional highlights**

*Comment the above data and indicators emphasising the most important subjects.*

Update

**A2.3. Profitability**

# 4. Confidential company report

## Template of analysis (1-8)

### 5. R.&D and INNOVATION

#### 5.1. Introduction

- Describe in the yellow frame (free text) the purpose of this section, i.e. 'This section of the report looks at the company R&D and innovation activity and performance; it places the company within its sectoral and regional context, comparing critical indicators innovation; it looks at future technologies and trends, and suggests ways to improve the company's capability for innovation

Free text

#### 5.2. Innovation performance

##### 5.2.1. The concept of innovation for the company

- Describe, in the yellow frame, the concept of innovation introducing the distinction of product, process, and organisational innovation; radical and incremental innovation

Free text

##### 5.2.2 Innovation performance of the company

- Make a Table showing the innovation performance of the company, using the variables: [E1-i1 to E1-i9](#)

Table

- Comment the qualitative aspects of the company innovation activity, using the variables: [E1-c1 to E1-c6](#).

Free text

- Give your assessment on the above performance

Free text

#### 5.3. The company within the regional innovation environment

- Describe within the yellow frame the position of the company within the region. Start from simple facts, location, size, etc, using the variables in [A1 and A2](#).

Free text

- Make a Table comparing the position of the region with the EU averages, using the variables [E2-i1 to E2-i14](#).

Table

- Comment the above Table highlighting the strong and weak elements of the regional innovation environment.

Free text

- Comment the company innovation performance with respect to the regional strong and weak points. Place variables [E1-i1 to E1-i9](#) within the regional context described in 5.3.3.

Free text

#### 5.4. The company within the sector

- Describe within the yellow frame the position of the company within the sector. Start from simple facts, size of the sector, position of the company within the sector (leader, follower, SME)

Free text

# 4. Confidential company report

## Sample Selection and Report Generation

➤ Sample selection enables to choose the benchmarking reference group. Options: Country, Region, Sector by NACE code , Valid reports, Locked reports

➤ Print preview enables to see all sections of the report together

➤ Print or Save mark the end of the report

**Other Options**

- Print preview of the Metaforesight Report
- Create new Report
- Delete
- Select Criteria to create sample

C. PRODUCTS	A1-i11 Turnover / Employee	95114,45
D. MARKETS and COMPETITION	A1-i12 Gross profit / Employee	16446,25
E. R&D and INNOVATION	<b>A2 - REGION</b>	↑Top   ↓Bottom ⓘ
F. PRODUCTION PROCESSES		↑Top   ↓Bottom
G. SUPPLY CHAIN AND NETWORKS	A2-i1 GDP per capita	11,701
H. QUALITY	A2-i2 Total number of employees	673,1
	A2-i3 Investments	8,3
	A2-i4 Productivity index	60
	A2-i5 Competitiveness index	
	A2-i6 Share of added value to salaries	
	A2-i7 Share of added value to taxes	
	A2-i8 Share of added value to gross profits	
	A2-i9 Average salary	11,15
	<b>A2-c1 Financial performance of the region (comment)</b>	↑Top   ↓Bottom
		Investments are in manufacturing per person employed (1000 E per person. Productivity is the % of the average of EU. Average salary is calculated per pesnon in manufacturing and construction. Low productivity and almost the half GDP
	<b>A3 - SECTORAL BENCHMARKING</b>	↑Top   ↓Bottom ⓘ
	<b>A3-i1 Return on equity (Pre-tax profit/over all own funds)</b>	↑Top   ↓Bottom
	Minimum	
	Mean	
	Maximum	
	1 <sup>st</sup> Quartile	
	2 <sup>nd</sup> Quartile	
	3 <sup>rd</sup> Quartile	
	4 <sup>th</sup> Quartile	
	<b>A3-i2 Return on capital employed (Pre-tax profit (overall own funds + long-term liabilities)</b>	↑Top   ↓Bottom

# 5. Meta-Foresight Platform

## A Guide for collaborative intelligence

### MetaForesight

Towards the knowledge-based economy



INFYDE

## TABLE OF CONTENTS

### Acknowledgements/Foreword

### I. Meta-Foresight and knowledge Regions

- I.1. The context: Meta-Foresight within KnowREG initiative
- I.2. Main features and added value of Meta-Foresight*
- I.3. Maximizing the Meta-Foresight application in the regions*

### II. The Meta-Foresight digital application: Architecture and services

- II.1. Architecture
- II.2. Services

### III. The Meta-Foresight digital application: Technical process

- III.1. The Portal
  - III.1.1. From the consultation entry point*
  - III.1.2. From the administration entry point*
- III.2. The Toolbox for the Company Report
  - III.2.1. Reports management*
  - III.2.2. The Questionnaire "Data Quest"*
  - III.2.3. The Data Analysis*

### Annexes