



**B.I.R.O.**

**Best Information through Regional Outcomes**

A Public Health Project funded by the European Commission, DG-SANCO 2005

***BIRO Dundee Meeting, 26th – 27th March 2007***

**First year report**





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# 1st year project plan (Nov2005-Nov2006)

**WPs to be activated:** 1, 2,3,4,5,6,7,8,12,13,14,15

## Expected meetings

*March: 1st Technical Meeting - Dundee*

Participants: ALL

Main Topics: Clinical Review, Common Dataset, Data Dictionary, Privacy Impact Assessment

*June: 1st BIRO Investigator Meeting - Malta*

Participants: ALL

Main Topics: Common Dataset, Data Dictionary, Privacy Impact Assessment

*September: Coordination Visit to Graz*

Participants: UNIPG, DUNDEE, JOANNEUM

Main Topics: Common Dataset, Data Dictionary, Privacy Impact Assessment

*September: Coordination Visit to Bucharest*

Participants: UNIPG, DUNDEE

Main Topics: Common Dataset, Data Dictionary, Technology Transfer

## Expected deliverables

Clinical Review, Common Dataset, Preliminary Privacy Impact Assessment

1st Year Evaluation Report



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**DG-SANCO**  
**European Commission**  
**Health and Consumer Protection Directorate-General**

**PROJECT N°: 2004129**

**ACRONYM: BIRO**

**Title: Best Information through Regional Outcomes**

## **First technical implementation report**

**PERIOD 01/12/2005-30/11/2006**

**Authors:**  
**Dr. Marco Orsini Federici**  
**Dr. Fabrizio Carinci**  
**Prof. Massimo Massi Benedetti**

**Organisation:** **University of Perugia**  
**Dissemination:** **13/12/2006**  
**Document Number:** **01**  
**Version:** **01**  
**Date:** **28/12/2006**



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## Main achievements:

- B.I.R.O. Revised Work Plan
- Deliverable 2.1 “Clinical Review Document
- Deliverable D3.1 Common dataset
- Deliverable D5,1 Privacy Impact Assessment
- Deliverable D13.1 Evaluation Report Year 1.
- Technology Transfer Preliminary Report (document describing the current situation in different countries, including possible solutions and barriers for the local implementation of B.I.R.O.
- Policy document “The role of B.I.R.O. in implementing the Diabetes EU Policy recommendations” indicating how B.I.R.O. can translate local action into European policy .
- Activation of the official B.I.R.O. website and forum
- Annual general and board meeting
- 1<sup>st</sup> Technology Transfer Workshop



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## **WP1 Coordination**

The **aim** of this WP is to ensure that all members of the Consortium and the associated bodies receive strong and timely support to perform all duties planned in the project.

The WP is led by **UNIPG** and lasts **36 months**

## **Results**

1. Definition of Governance bodies and their relationships
2. Revised BIRO Workplan,
3. Redefinition of the BIRO Architecture



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## WP2 Clinical review

**Aim** of this work package is to collect a list of evidence-based indicators including meta-information to be applied to the BIRO infrastructure.

The **outputs** of WP2 will directly provide input to the Common Dataset (WP3) and the Data Dictionary (WP4).

The WP started at project startup and will last **32 months**.

The WP is led by **JOANNEUM** and involves researchers from each partner institution.

### Results

1. Literature review
2. Indicators identification
3. Core indicators selection
4. **Deliverable (D2.1) “Clinical review document”**



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## WP3 Minimum Dataset

The **aim** of the WP is to define a minimum data set that can be used as a common reference for the extraction of compatible entities at the international level.

The WP duration is **12 months** from project start-up.

The WP is led by **UNIDUND** and involves researchers from each partner institution.

## Results

1. BIRO\_Dataset\_Comparison V2.0,
2. BIRO\_Metadata V1.0
3. BIRO\_Metadata Guidance V1.0. ”
4. **Deliverable D3.1 “Common dataset”**



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## WP4 Data Dictionary

The **aim** of this WP is to create an electronic directory inclusive of concept and data dictionaries and allowing to dynamically link the clinical knowledge-base to the systematic evaluation of health systems outcomes.

The WP started at month 1 and will last **32 months**.

**UNIDUND** is the WP leader, researchers and data base administrators from all sites are involved.

### Results

1. XML metadata representation
2. First draft of Deliverable D4.1 "Data dictionary report"





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## **WP5 Privacy impact assessment**

WP5 **aims** at strengthening procedures related to the protection of privacy and confidentiality within the BIRO information system,

The WP, led by **UNIPG**, lasts **32 months** and involves clinical experts from all sites.

UNIPG involved the company "**Serectrix**" as a subcontractor in charge of facilitating and coordinating all activities related to the Privacy Impact Assessment.

### **Results**

1. Literature review
2. Identification of 3 candidate alternative architectures for data protection.
3. Definition of the possible data flow standard
4. **Deliverable D5.1: "Preliminary Privacy Impact Assessment"**



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## WP6 Database Engine

WP **goal** is to develop specialised database software that will allow to use the XML schema produced in WP3/WP4 at each participating region.

The WP, led by **UNIPG**, started on month 1 and will last **32 months**.

### Results

1. Definition of roles in building “local adaptor” and BIRO database engine
2. Identification of software that will be used to build the database engine
3. First draft of the SQL architecture of the database
4. Implementation of software tools to import data into the DBMS
5. DBMS already tested with data from Umbria Diabetes Register



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## WP7 Reports Template

WP7 **aims** to define a structure for diabetes health reports that could be used across international regions.

WP7 started on **month 7** and will end on **month 32**.

**UNIBERG** is the WP leader with all sites providing support towards its realization.

### Results

1. Analysis of existing diabetes reports
2. Identification of the possible means of visualization
3. Definition of possible stratification variables
4. Preliminary executive document



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## **WP8 Statistical Engine**

his WP **will provide** the project with a set of powerful statistical tools to transform data gathered in different regions into usable information and customised reports.

WP 8 is performed by **UNIPG** alone between **month 7 and month 30**.

The company **Serectrix** is employed as a subcontractor for the scope.

### **Results**

1. Agreement on the main statistical packages to be used
2. Application of a SAS prototype to the Umbria Diabetes Register



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## **WP12 Technology Transfer**

The WP **will ensure** the scalability and extensibility of the product for new regions where programs for chronic disease management and diabetes prevention are currently in progress.

The WP lasts **3 years** and is coordinated by **PAULESCU**.

### **Results**

1. Analysis of local situation in Cyprus, Malta, Romania
2. “Technology transfer workshop” (Malta June 2006)
3. Index of the technology transfer report
4. Preliminary Technology Transfer Report



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## **WP13 Project Management**

This WP **will allow** monitoring content and progress of each WP. It will ensure that the process flow proceeds in accordance with the project's objectives.

WP is led by **UNIPG** and covers the **entire duration** of the project.

### **Results**

1. Technical and financial monitoring and support
2. Meeting organization.
3. Coordination of the dissemination activities.
4. Maintenance of the project website
5. Preparation of the official documents for the commission
6. Deliverable D13.1 “Progress report year 1”



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## **WP14 Dissemination**

This WP **will ensure** that the contents of the program and the associated deliverables become widely available with a correct development and dissemination of the program across participants.

WP 14 is led by **UNIPG** and will last **36 months**.

### **Results**

1. B.I.R.O. website
2. B.I.R.O Forum
3. B.I.R.O. Brochure.
4. Submission of an abstract to the International Diabetes Federation Congress (Cape Town, December 2006).
5. Poster presentation at the IDF Congress
6. Policy document “The role of B.I.R.O. in implementing the Diabetes EU Policy recommendations”
7. Definition of a list of possible BIRO users



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## WP15 Evaluation

The WP **will provide** the Consortium and the European Commission with an external evaluation of what the project will have achieved.

WP is coordinated by **UNIMALT** and **lasts 36 months**.

### Results

1. Identification of external evaluators
2. Participation of the clinical expert evaluator at the Dundee Meeting 2006
3. **Deliverable D15.1 “ Evaluation year 1”**





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## **WP9. – Communication Software**

WP 9 **aims** at developing solutions to securely transmit data between all data providers.

WP9 is led by **Joanneum** and will **start** in **January 2007**.

## **WP10. – Central Engine**

WP10 **will set** the technology required to compile results from the individual regions into a coherent system, able to perform analyses across distributed databases and delivering outputs to the web portal.

WP10 is led by **UNIPG** and is planned to **start** in **January 2007**

## **WP11. – Web Portal**

WP11 **is dedicated** to the development of a web interface designed to display and present the resulting data and reports built up by WP1-WP10.

WP activities, coordinated by **UNIBERG**, will **start** in **January 2008**.



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## Deliverables

<i><b>Deliverable Code &amp; Name</b></i>	<i><b>Planned delivery date</b></i>	<i><b>Actual delivery date</b></i>
D2.1 Clinical Review Document	June 2006	June 2006
D3.1 Common Dataset	December 2006	December 2006
D5.1 Privacy Impact Assessment	December 2006	December 2006
D15. Evaluation Report Year 1	December 2006	December 2006
D13.1 Progress Report Year 1	December 2006	December 2006



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## Meetings

<i>Title</i>	<i>Date</i>	<i>Place</i>
Kick off Meeting	5th December 2005	Perugia
1st BIRO Technology meeting	6th-7th March 2006	Dundee
1st B.I.R.O. Investigators Meeting	30th May – 2nd June 2006	St Julian
Graz Biro Meeting	29th-30th September 2006	Graz,



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## Conferences and/or Workshops attended, organised, foreseen by the project

<i>Date</i>	<i>Title</i>	<i>Number of persons attended + other information</i>
4-6 October 2006	European Health Forum - Gastein "Creating a better future for health in Europe"	Fabrizio Carinci (UNIPG) attended the meeting. Over 100 copies of the BIRO brochure have been distributed
3 – 5 November 2006	IDF Europe annual meeting	Massimo Massi Benedetti (UNIPG) attended the meeting. Over 100 copies of BIRO Brochure have been distributed. Contacts have been established with IDF Europe representatives and with responsible of diabetes registers in different European countries in order to expand the BIRO experience.



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## Articles Published , Press coverage, development web sites, etc

<i>Date and Type</i>	<i>Details</i>
April 2006. <b>BIRO Website</b>	<a href="http://www.biro-project.eu">www.biro-project.eu</a> . (More details in the WP 14 “disseminatrion” report).
May 2006. <b>BIRO Forum</b>	<a href="http://biro-project.eu:8080/forum/forums/list.page">http://biro-project.eu:8080/forum/forums/list.page</a> (more details in the WP 14 “disseminatrion” report).
July 2006 <b>BIRO abstract</b>	Abstract describing the overall structure of the project submitted to the International Diabetes Federation Meeting 8Cape Town, December 2006). Accepted as porter presentation.
September 2006 <b>BIRO Brochure</b>	Over 200 brochures distributed at different international meetings (see meeting section). Over 1000 BIRO brochure printed for distribution at future national and international meetings.



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## ***Other (eg changes to personnel mentioned in the description of work, ...)***


<b><i>Causes and Description</i></b>	<b><i>Corrective actions</i></b>
Douglas Boyle on April 2006 left his position at University of Dundee and role in the project..	Position was taken over by Scott Cunningham who also became responsible and contact person for the project in Dundee site.

The B.I.R.O. Project - Mozilla Firefox

File Modifica Visualizza Cronologia Segnalibri Strumenti ?

http://biro-project.eu/index.html

Come iniziare Ultime notizie



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## Best Information through Regional Outcomes Building a Shared European Diabetes Information System

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Latest Updates

November, 27<sup>th</sup> 2006 - Added [EU Policy Recommendations](#) documents downloadable from the Documents area  
 November, 14<sup>th</sup> 2006 - Added [Graz Meeting Minutes](#) downloadable from the Restricted area  
 October, 18<sup>th</sup> 2006 - Added the first Result ([Clinical Review](#)) downloadable from the new Results area  
 October, 12<sup>th</sup> 2006 - Added the official downloadable [B.I.R.O. Brochure](#)  
 October, 9<sup>th</sup> 2006 - New [public area](#) with freely downloadable documents

Completato

start Disco rimovibile (F:) Microsoft PowerPoint ... The B.I.R.O. Project ... IT 15.34



### DOCUMENTS

Welcome in the public downloadable documents area:

- [B.I.R.O. Official Brochure](#)
- [B.I.R.O. Newsletters](#)
- [B.I.R.O. Meetings Materials](#)
- [B.I.R.O. EU Policy Recommendations](#)





## B.I.R.O. Forum - The European Diabetes Project's Forum

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Forums	Topics	Messages	Last Message
<b>B.I.R.O.</b>			
<b>Restricted Forum</b> B.I.R.O. Consortium restricted forum	23	70	12/02/2007 12:58:39 fabrizio →
<b>The B.I.R.O. Blog</b> In this forum you can write all you think about B.I.R.O. and all related things Moderators B.I.R.O. Consortium	3	8	08/06/2006 10:37:39 Pietro →
<b>Bugs and Problems</b> If you find any bugs or problems write a message in this forum	1	3	14/07/2006 12:30:59 pbeck →

### Who is online

Our users have posted a total of 81 messages  
We have 22 registered users  
The newest registered user is PhilippP.



There are 1 online users: 1 registered, 0 guest(s) [ [Administrator](#) ] [ [Moderator](#) ]  
Most users ever online was 9 on 21/04/2006 17:31:15  
Connected users: [orsinimarco](#)

New Messages No new messages Blocked Forum



Results  
Forum

## RESULTS

Welcome in the Results area:

- [B.I.R.O. Poster at IDF Congress](#)
- [Clinical Review](#)
- [Common Dataset](#)
- [Preliminary PIA Report](#)



Results  
Forum

### RESTRICTED AREA

Welcome in the restricted area:

- [B.I.R.O. Proposal](#)
- [B.I.R.O. Agreements](#)
- [Management templates](#)
- [Revised Workplan](#)
- [Meetings](#)
- [Publication Drafts](#)
- [Software](#)
- [Deliverables](#)

ID	NAME	Expected Date	Submission Date
<a href="#">D2.1</a>	CLINICAL REVIEW	1/6/2006	14/7/2006
<a href="#">D3.1</a>	ML MINIMUM DATASET	1/12/2006	18/01/2007
<a href="#">D5.1</a>	PRIVACY IMPACT ASSESSMENT	1/12/2006	20/12/2006
<a href="#">D15.1</a>	EVALUATION YEAR 1	1/12/2006	12/12/2006
<a href="#">D13.1</a>	PROGRESS REPORT YEAR 1	1/12/2006	03/01/2007
D4.1	DATA DICTIONARY	1/6/2007	
D4.2	XML METADATA DICTIONARY	1/6/2007	
D7.1	REPORTS TEMPLATE	1/6/2007	
D5.2	PRIVACY IMPACT ASSESSMENT UPDATE 1	1/8/2007	
D6.1	DATABASE ENGINE	1/12/2007	
D9.1	COMMUNICATION SOFTWARE	1/12/2007	
D15.2	EVALUATION YEAR 2	1/12/2007	
D13.2	PROGRESS REPORT YEAR 2	1/12/2007	
D5.3	PRIVACY IMPACT ASSESSMENT UPDATE 2	1/4/2008	
D8.1	STATISTICAL ENGINE	1/6/2008	
D10.1	CENTRAL ENGINE	1/6/2008	
D14.1	WEB REPORT BASE	1/6/2008	
D12.1	TECHNOLOGY TRANSFER WORKSHOP	1/7/2008	
D2.2	CLINICAL REVIEW - UPDATE	1/8/2008>	
D4.3	DICTIONARY / XML - UPDATE	1/8/2008	
D5.4	PRIVACY IMPACT ASSESSMENT FINAL REPORT	1/8/2008	
D6.2	DATABASE ENGINE - UPDATE	1/8/2008	
D7.2	XML METADATA REPORTS	1/8/2008	
D11.1	WEB PORTAL TEMPLATE	1/8/2008	
D12.1	TECHNOLOGY TRANSFER ANALYSIS	1/10/2008	
D14.2	WEB REPORT REVISED	1/12/2008	
D14.3	PLENARY SESSION	1/11/2008	
D14.4	MONOGRAPH	1/12/2008	
D15.3	EVALUATION YEAR 3	1/12/2008	
D13.3	FINAL PROGRESS REPORT	1/12/2008	