



B.I.R.O.

Best Information through Regional Outcomes

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

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BIRO Bergen Technical Meeting 2009

15 -16-17 January 2009

Clarion Hotel Admiral, Bergen

Agenda

Thursday, 15th January 2009, 09:00-17:00

- 09:00 Welcome** (Svein Skeie)
- 09:10 Program of the technical meeting** (Fabrizio Carinci)
- selection of tasks
 - organization of Technology Transfer
- 10:30 Software first level integration:**
- **Group A:** WP4+ WP8+ WP10: Connection between data dictionary and statistical software (Scott Cunningham, Fabrizio Carinci, Luca Rossi)
 - **Group B:** WP9+ WP6: Integrated BIRO Box GUI (Peter Beck, Philipp Perner, Valentina Baglioni)
 - **Group C:** WP11: Web Portal (Massimo Brillante, Peter Taverner)
- 12:00 Report on first level integration:**
- Group A, Group B, Group C (20 min each)
- 13:00 Lunch**
- 14:00 Software second level integration:**
- **Group A:** WP4+WP6: Connection between Data Dictionary and Database Engine (Scott Cunningham, Valentina Baglioni)
 - **Group B:** WP9+WP6: Integrated BIRO Box GUI (Peter Beck, Philipp Perner, Valentina Baglioni)
 - **Group C:** WP11+WP8+WP10: Web Portal (Peter Taverner, Massimo Brillante, Fabrizio Carinci, Luca Rossi)
- 15:30 Report on second level integration:**
- Group A, Group B, Group C (10 min each)
- 16:00 Norwegian Diabetes Registry**
- Overview of technical developments and achievements of the Registry
- 17:00 End of the Session**



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Friday, 16th January 2009, 09:00-16:00

09:00 Software on field test:

- Presentation of the BIRO Box (Valentina Baglioni)
- Application of BIRO on live datasets (partners bring small datasets of 500-1000 patients to test BIRO)
- Explanation of the outputs (Fabrizio Carinci)
- Reports from partners

13:00 Lunch

14:00 Software post test adjustment:

- **Group A:** data components (Scott Cunningham, Fabrizio Carinci, Luca Rossi)
- **Group B:** user interface (Peter Beck, Philipp Perner, Valentina Baglioni)
- **Group C:** reporting tools (Peter Taverner, Massimo Brillante, Fabrizio Carinci)

15:30 Report on post test adjustment:

- Groups A, B, C (10 min each)

16:00 End of the Session



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Saturday, 17th January 2009, 09:00-16:00

- 09:00 WP12 Technology Transfer Workshop** (Simion Pruna):
- Introduction (Simion Pruna)
 - Information systems for diabetic citizens (David Whiting, IDF representative)
 - Data Technologies (Simion Pruna)
 - Technology Transfer in Malta (Simon Scerri)
 - Technology Transfer in Cyprus (Xenios Anastassiades)
 - Practical use of BIRO: results of BIRO test (Simion Pruna)
 - Extending use of BIRO across Europe (Peter Beck)
 - Final Report (Simion Pruna)
- 13:00 Lunch**
- 14:00 BIRO FOR EUBIROD (Training):**
- Organization of training activity for EUBIROD Partners
 - EUBIROD Data Questionnaire (Scott Cunningham)
 - EUBIROD Technical Infrastructure Questionnaire (Peter Beck)
 - Kuwait meeting plan
- 15:00**
- **WP14 Dissemination:**
 - BIRO final publication
- 15:30**
- **WP13 Coordination:**
 - Workplan revision: completed tasks and schedule for completion
- 16:00 End of the Meeting**



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TECHNICAL PROGRAM

OBJECTIVES

To tackle high priority, unresolved technical issues and collaboratively plan/develop practical solutions for the final delivery of the BIRO system.

To agree next steps to present the "system" to the European Commission and to directly apply BIRO in the context of EUBIROD

GENERAL PROCEDURE

a. Start and discuss the overall meeting program together

b. List general issues and write requirements on a board

c. Select high priority tasks from the list

A number of issues discussed before will be already listed (see page 2 on)

Identify aspects that can be successfully resolved during the meeting.

Summarise tasks in a "BIRO reference table" (task X participant). Each task will also have a precise time for it to be fully addressed and completed in the meeting. Tasks relative to BIRO application and EUBIROD training will be put at the bottom of the list and resolved with lower priority.

d. participants start practical work to accomplish BIRO tasks described in each row of the reference table.

At times participant come together to share development. Presentations at the end of each day list advancements made.

INITIAL LIST OF TASKS

a) XML Schema definition / Data Source support

- inclusion of new items
- geographical data: shapefiles or own format? Do we plan to use google maps or any other known standard?
- do we need an XML for all basic statistical objects?
- do we need to include web portal schemas in the dictionary?
- how to include/manage multiple datasets?
- how do we manage changes over time of structural/population data?
- how many measures/records per patient in a time interval?
- Should we include methods/statistical models anyway?
- How to add other sources of aggregated data (surveys, epidemiological models etc)

b) Database and Statistical Engine

- how do we manage schema updates in the database engine?
- Would it be some pre-processing in the database engine more efficient?
- any problems of pre-processing of data in the statistical engine?
 - Is the chosen database format the most efficient (different variables in the same column for the same observation/patient/episode)?
 - how do we select time intervals?
- data and data structure to be passed to the central engine



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- statistical objects: do we need a schema?
- compressed archive etc
- data analysis and processing in the central engine
 - do we allow for different subsets of regions to be analysed separately?
- data structure to be passed to the web portal for visualization
- how do we select time intervals to pool results from different regions that have been obtained at different times?
- html or XML format for uploaded tables?

c) Web Portal and Presentation:

- proposed WP11 web portal XML schema
 - feasibility for WP11
 - implications for statistical outputs
- chart and table display and visualization
- browsable data dictionary (e.g. WHO Health for All)
- how to populate indicators from data dictionary (pre-generated html vs dynamic extraction from XML)?
- Which is the desired level of query customisation (pre-selection of preferred data sources for certain indicators?)
 - selection of indicators by pop-up vs tree
 - benchmarking "by region" ?
 - wizard?
- info on individual bias and additional information for all (selected) data sources per indicator/data field
- how to include present of BIRO workpackages in the web portal?

d) Integration

- how do we support "local" production of BIRO report in the stand-alone application?
- Biro box as a Java client
- Statistical engine GUI inside BIRO Box
- Communication software GUI inside BIRO Box
- Server technology for central engine (always on to receive data)
- How do we keep track of data submissions?
- How is the web portal integrated
- how do we package BIRO (software install)?
- Application of the final release to a test dataset
 - data availability/permission
- Deadline to deliver the final release
- Production of the first report for BIRO publication monograph
- software licence

e) EUBIROD Training

- Technological Infrastructure Survey:
 - discuss scheme proposed by Beck/Cunningham
 - discuss items for Privacy Impact Assessment
 - collect questions
 - decide online forms or questionnaire
- e-learning tools?
- IT requirements for BIRO Academy in Kuwait (discuss with Dasman representative)