

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

WORK PACKAGE 14: DISSEMINATION

DELIVERABLE D14.3

PLENARY SESSION

VERS. 1.1

WP LEADER: UNIVERSITY OF PERUGIA



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Project Website

http://www.biro-project.eu

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1. Dissemination of BIRO Project

The BIRO approach and its outcomes have received maximum visibility across relevant stakeholder and the major prospective users of the information system. Several strategies have been put in place to disseminate the project.

The BIRO web site (www.biro-project.eu) was designed with the purpose of neatly explaining the project mission and its specific objectives, readily reporting activities, events, achieved results and easily sharing documents and meeting materials between the Partners.

Two brochures and two newsletters per year have been issued. The BIRO monograph, a book summarizing all BIRO achievements within each work package, has been printed in more than 100 copies.

Finally, at the end of the project, two conference events have been organized to disseminate the Project results. The first one, in Brussels, had an international visibility and was specially aimed at explaining the achievements to the Project sponsors of the European Commission while the second one, in Perugia, had a limited scope since it was aimed at presenting BIRO to the local Authorities, Institutions and stakeholders of Umbria region. During both conference events, copies of BIRO Monograph were distributed to Participants.

The aim of the present deliverable is to make a summary report of Brussels and Perugia plenary sessions, by collecting slides, pictures and press clippings.

2. Plenary session in Brussels

The official presentation of BIRO Project results in Brussels took take place at the Umbria Region Brussels Office - 14, Round-Point Schuman on 7th May 2009.

2.1. Agenda

10:30 - 11:00	Welcome cocktail
11:00 – 11:15	The BIRO Project (Prof. Massimo Massi Benedetti)
11:15 – 11:30	Diabetes Information for Policy in Europe (Fred Storms)
11:30 – 12:00	BIRO results (Fabrizio Carinci)
12:00 – 12:15	Using BIRO: the Cyprus experience (George Olympios)
12:15 – 12:30	Using BIRO: the Malta experience (Prof. Joseph Azzopardi)
12:30 - 13:00	Discussions / Questions

2.2. Summary report

A selected audience of relevant stakeholders in the field of European projects gathered in Brussels on 7th May 2009 for the official presentation of BIRO results. The meeting was held at the Umbria Region Brussels Office in Round-Point Schuman, thanks to the hospitality of the regional government and the continued assistance of the local office staff. Speakers on behalf of the Consortium included coordinators Prof. Massi Benedetti and Dr.Carinci (Italy), Prof. Azzopardi (Malta), Dr.Olympios (Cyprus) and Dr.Storms (Netherlands).

Participants included representatives of the European Commission (DG-SANCO, DG-RESEARCH, DG-INFSO), NGOs (Eurohealthnet, Health Consumer Powerhouse, European Heart Network, HOPE, Eucomed, PGEU), Research Institutes (Belgium Scientific Institute of Public Health, Denmark FOU).

Presentations included an overview of the whole project including scope and achievements, its relevance for clinical practice, and how to translate it into action for public health in Member States. The audience reacted very positively and looked at results particularly from the point of view of prospective implementation. Distinguished remarks deserve to be mentioned in this short summary.

According to G.Dargent (EC, EAHC, Luxembourg), BIRO represents an important project in the field of public health, as witnessed by the continued support offered by

the EUBIROD project. The successful delivery of this project can be important for the Agency. It can demonstrate the validity of connecting existing data sources as a sustainable strategy to public EU health information system

K.McCarthy (Public Health Sector, DG-RESEARCH, Brussels) commented that the project is interesting since it may have interesting features also for research, particularly in the field of dissemination. The possibility that results can be shared across Europe in a timely and relatively inexpensive way may constitute an innovative solution filling the gap between policy and practice. However, there must be clear evidence that the system can work in real life conditions. Publication of results of its usage in a high impact scientific journal may constitute a necessary step to raise the attention of the scientific community.

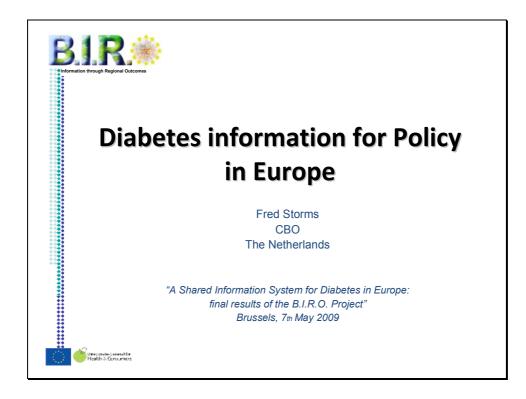
L.Montanari (EC DG-RESEARCH, UNIT D3) added that results obtained are also interesting for their general value beyond diabetes. The system seems to be customizable to solve the needs of different areas, particularly chronic diseases in general. Such results need also to be highlighted for future research applications.

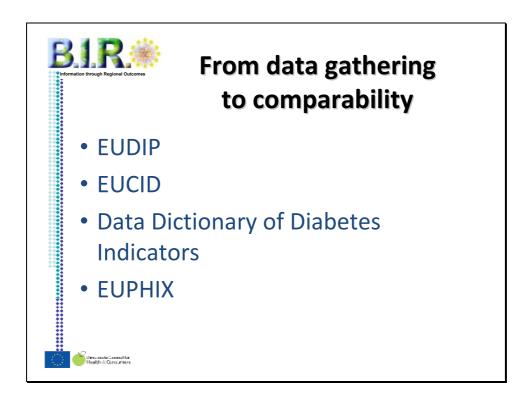
In a later communication, Roberto Giampieretti (European Commission, DG INFSO, Unit H1, "ICT for Health") made his congratulations to the project team for the results achieved. In particular, he reported that he found the overview of the project made by F.Carinci very interesting, with strong relevance to the activities carried out at the Directorate.

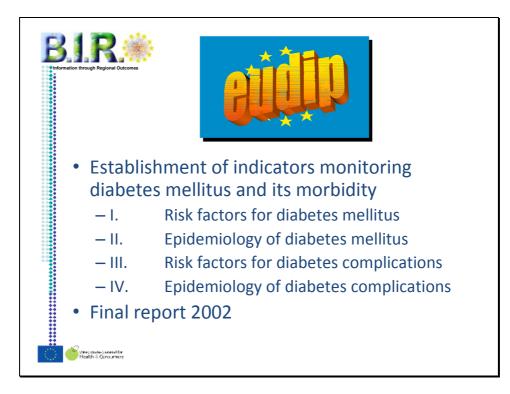
The meeting was preceded and followed by a cocktail reception, celebrating the successful end of the project. All participants received a printed hardcopy the BIRO Monograph, a complete, original publication of over 200 pages packaging all major results and including details on all the features of the BIRO system.

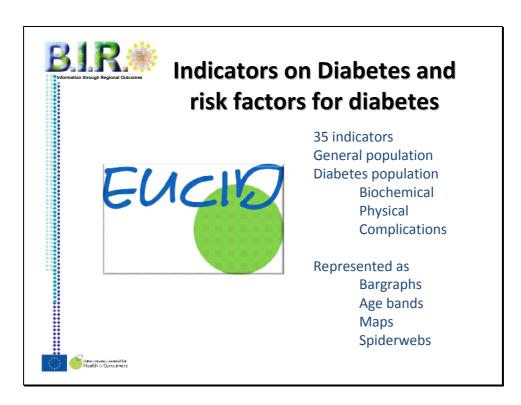
2.3. Presentations

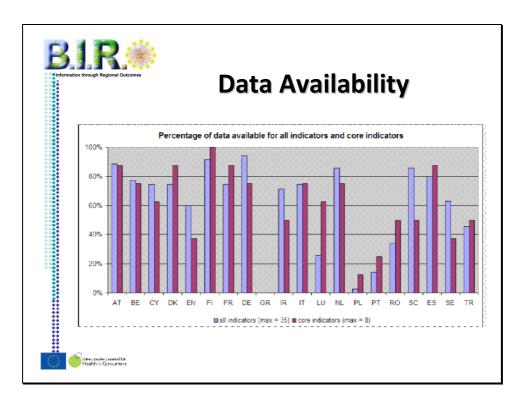
2.3.1 Diabetes information for Policy in Europe

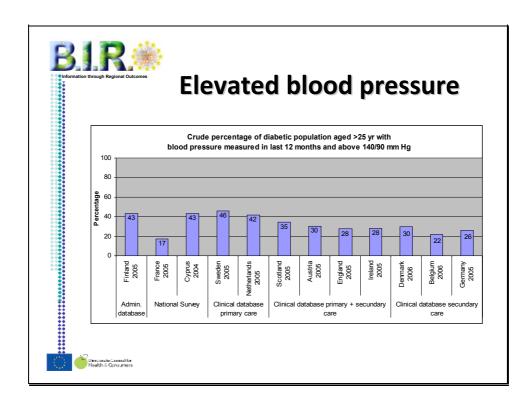


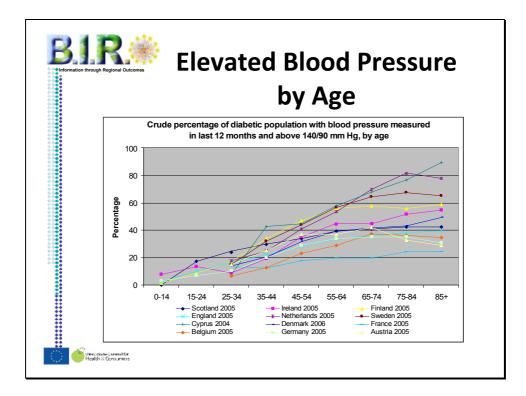


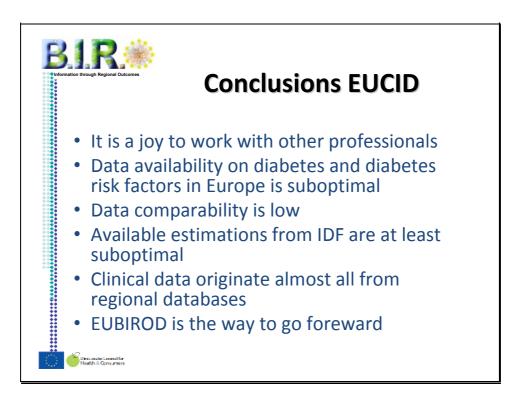


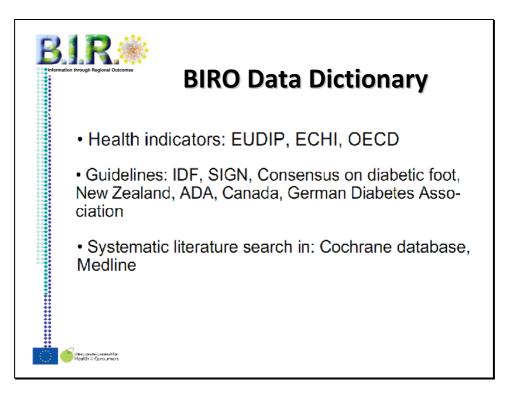


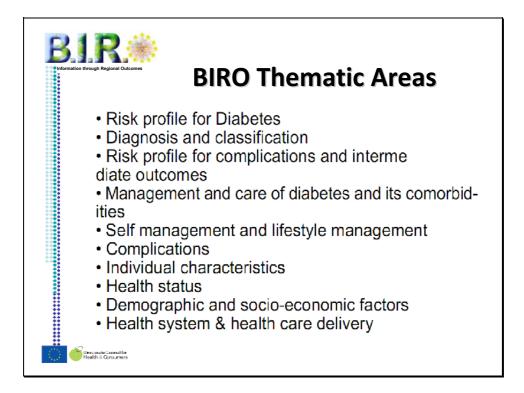


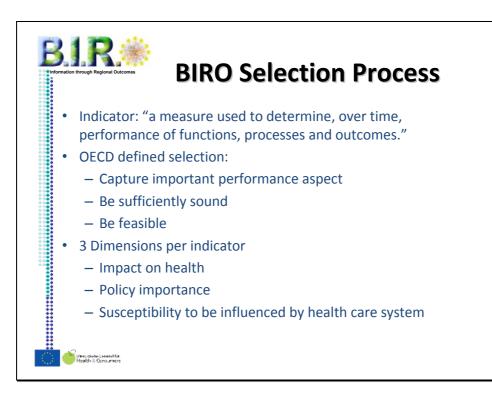


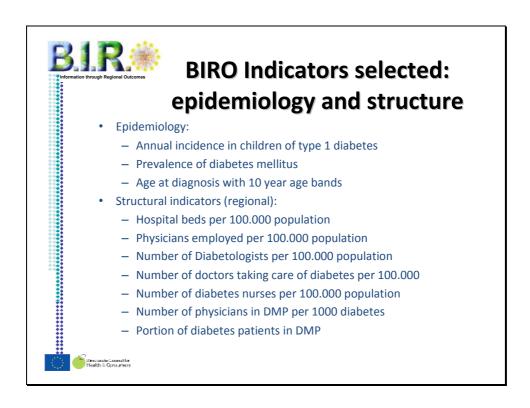


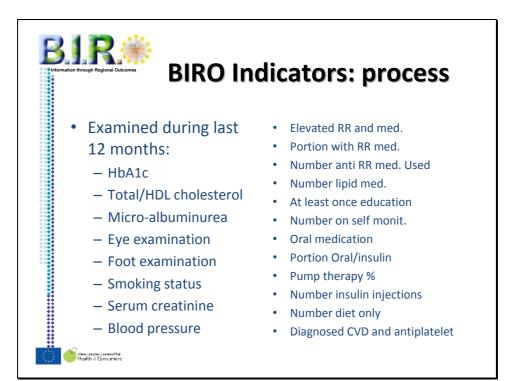




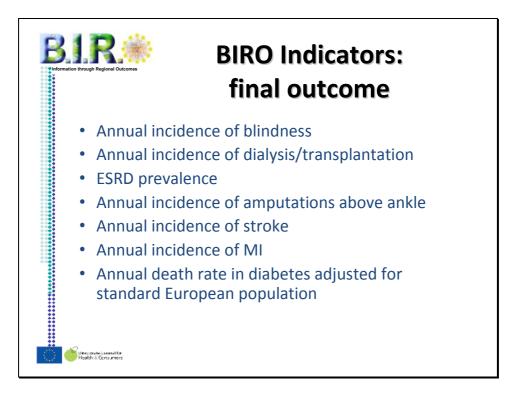


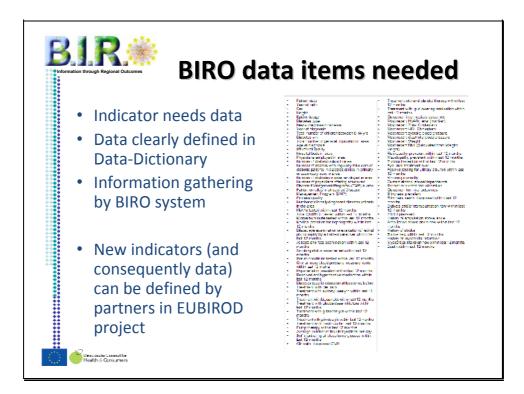


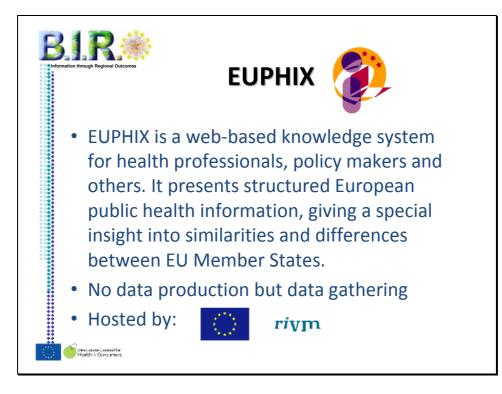




throug	BIRO Indicators:
	intermediate outcomes
•	% HbA1c most recent > 9.0
•	% HbA1c most recent <7.5
•	% Total/HDL Cholesterol < 4.5
•	% RR <140/90
•	% BMI > 30
•	% with fundus inspection with prol.ret. or maculop.
•	% laser treatment ever
•	% of tested with micro-albuminurea
•	% of current smokers
•	% with current alcohol abuse/dependence
•	% former or current foot ulceration



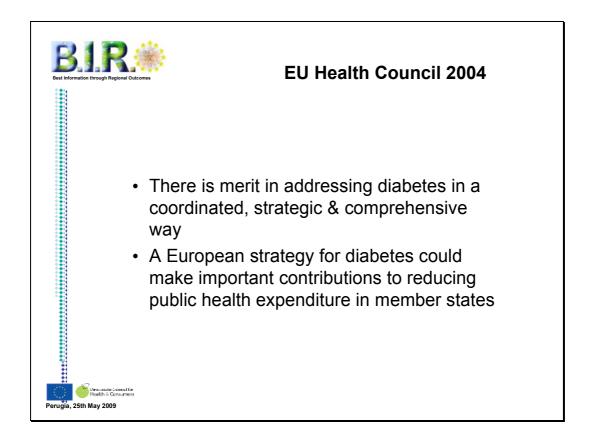


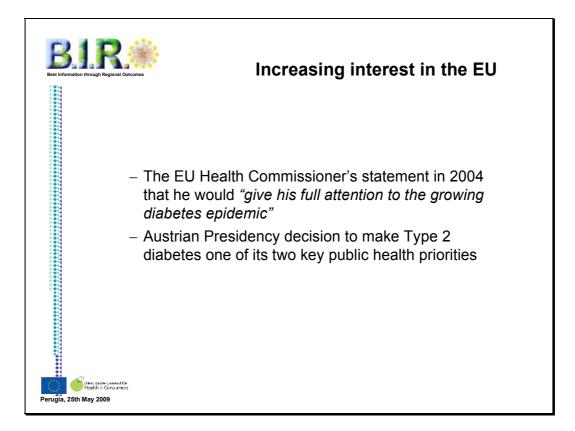


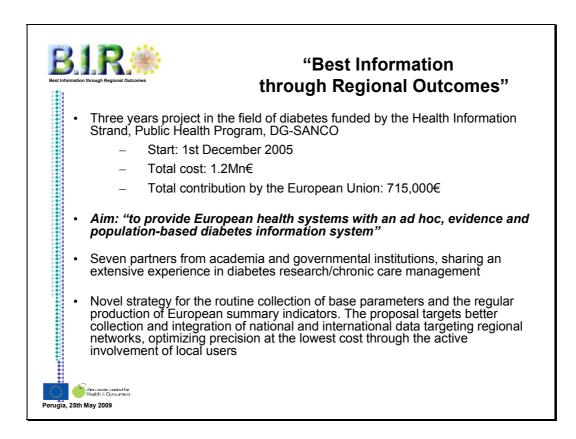
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EUPHIX European Union Public Health Information System								
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Health Status 🗹 Summary measures	Diabetes							
Perceived and functional health Mortality Diseases, disorders, injuries	Status This LUphact has been peer reviewed by one reviewer.							
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2.3.2 BIRO Results

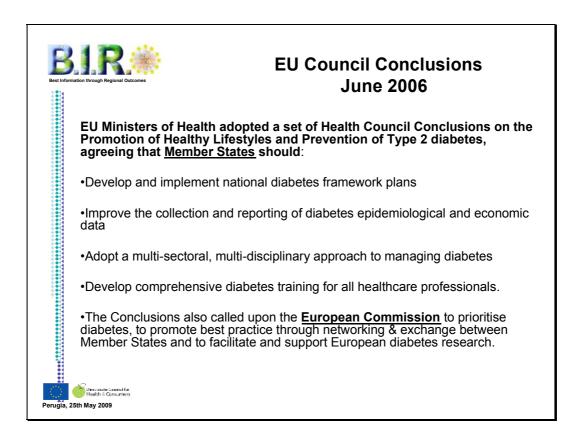


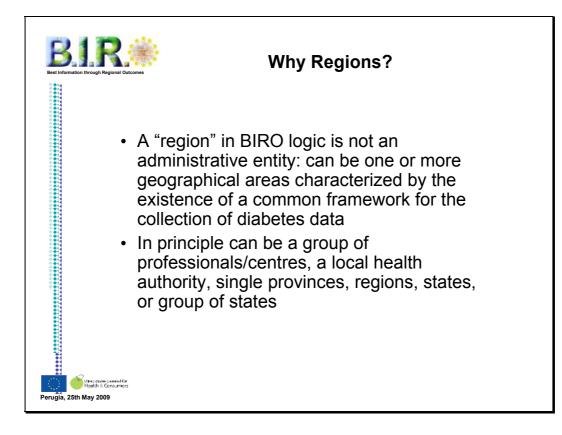


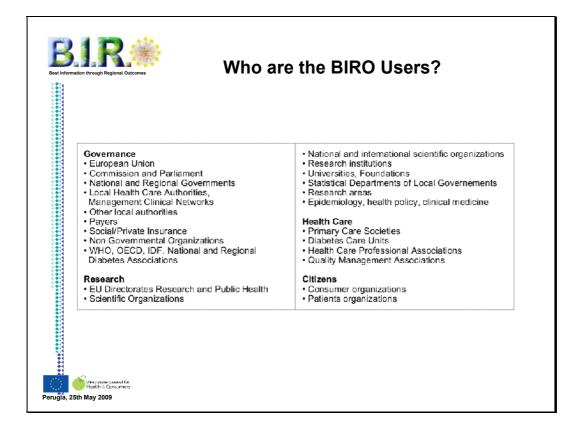


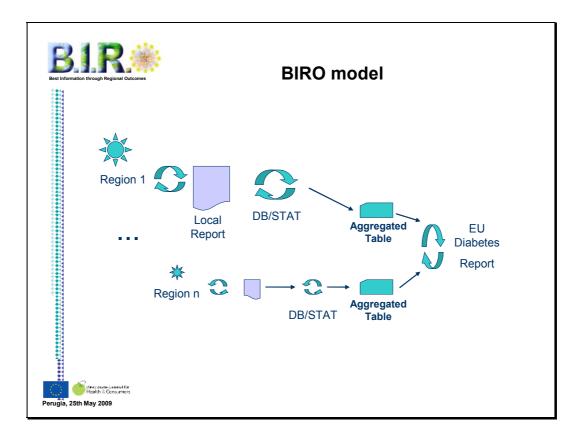


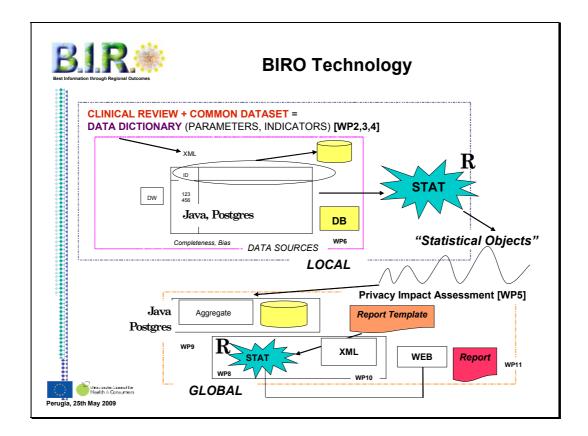


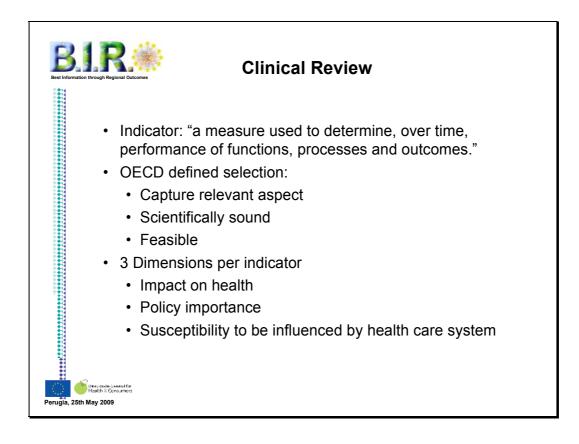


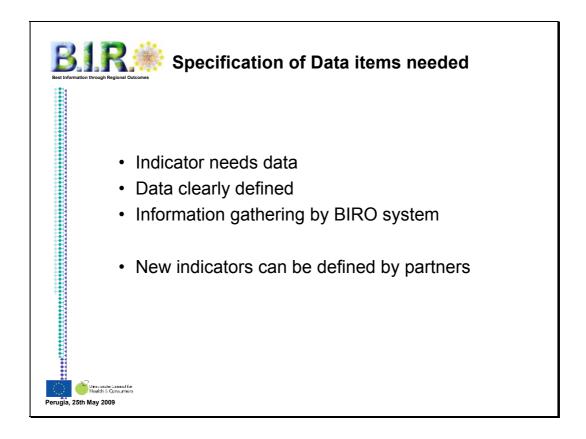


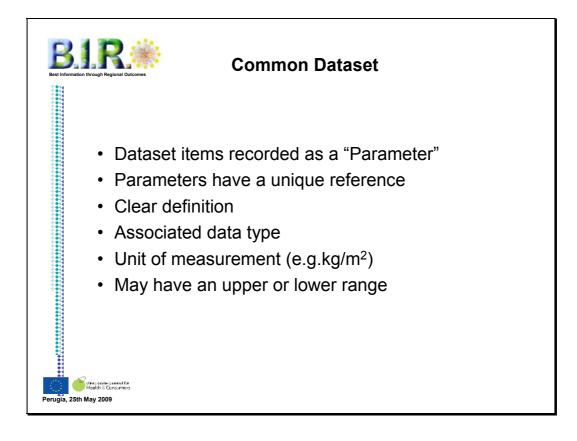


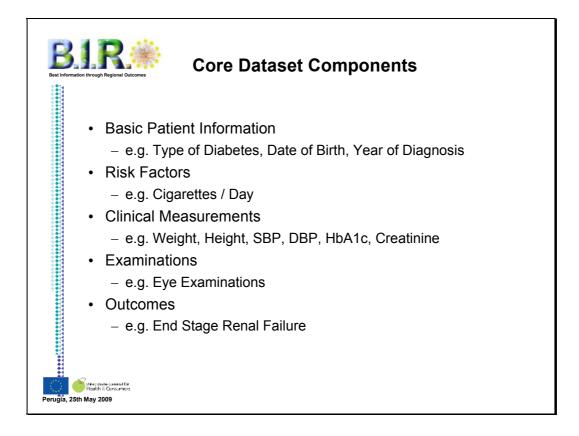


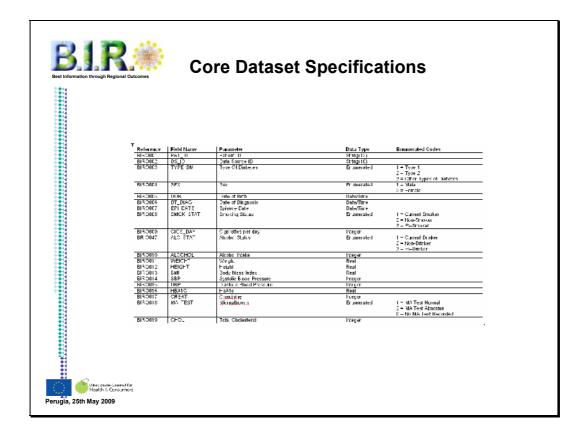


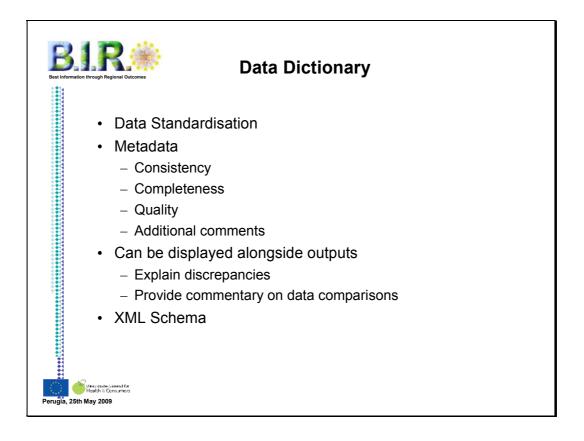


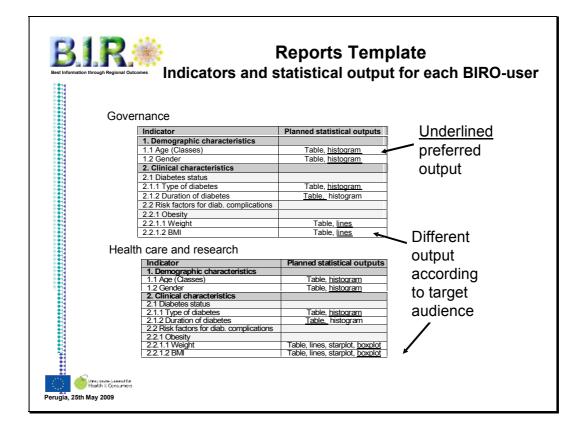


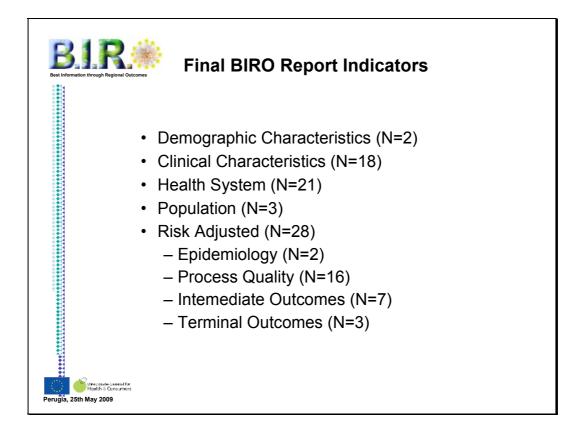


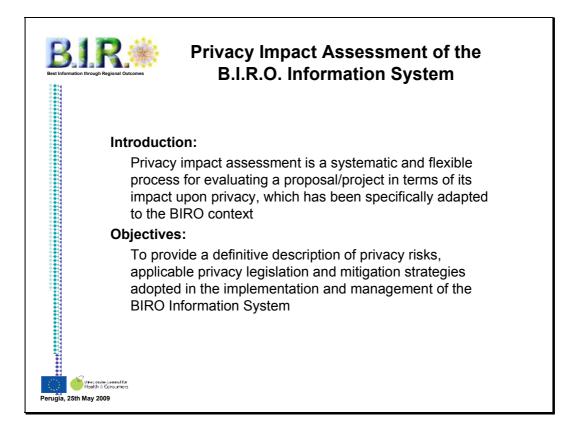


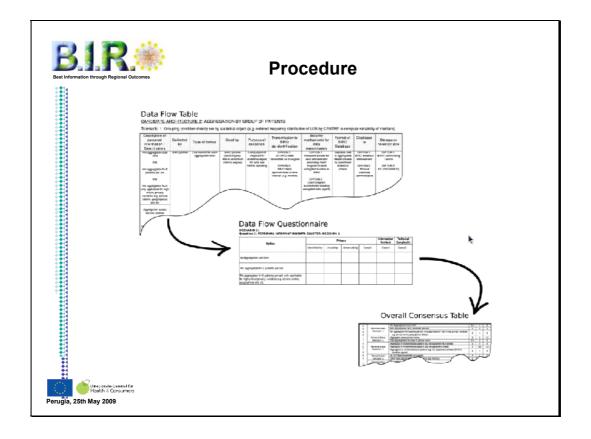


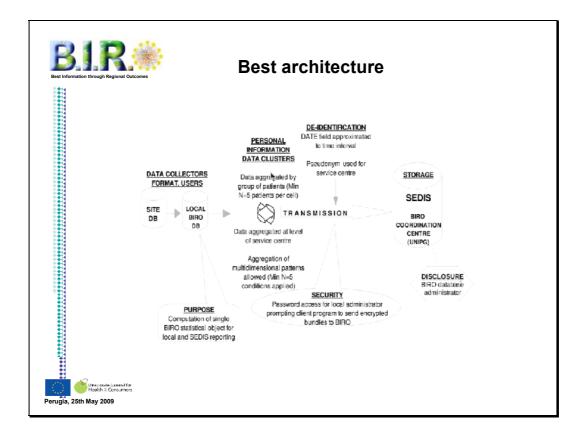


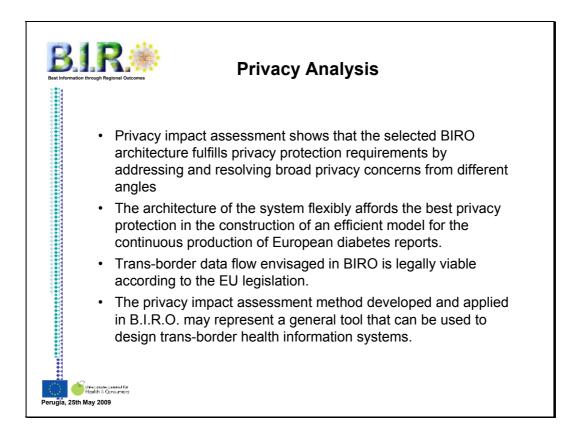


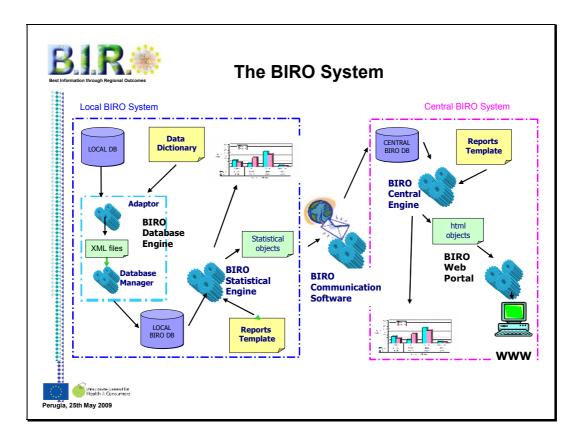




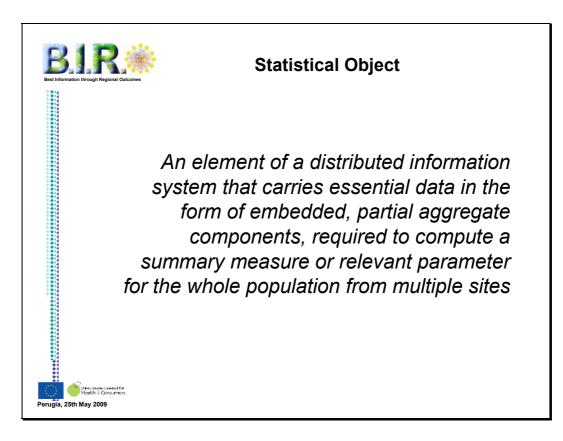




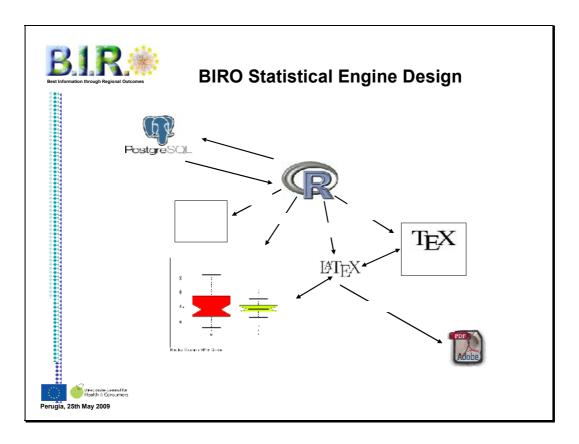


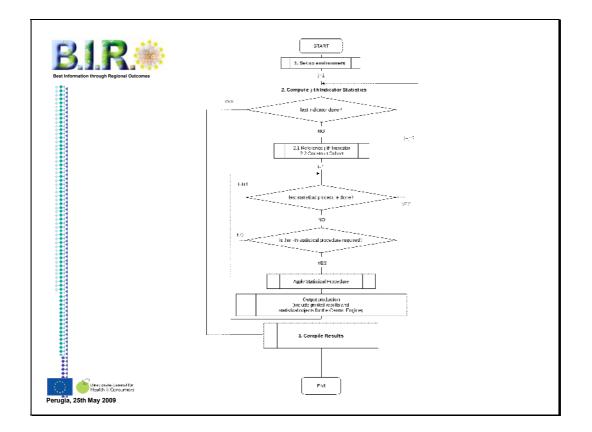


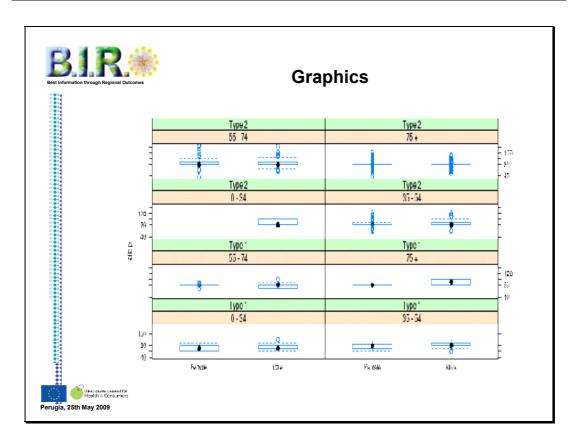
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Best Information through Regional Outcomes										
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Arithmetic Mean				
Code	2.1			
Statistical Object	Arithmetic Mean			
Description	Weighted average of a single characteristic, with weights equal to the number of observations for each specific value of the target variable			
Variables	CONTINUOUS			
Properties	The mean of the overall sample is equal to the weighted mean of the arithmetic means from all local repositories			
Local Component	Data vector composed of two quantities: sum of the values of the target variable; total number of observations DATA: <2.1.a>id, date, stratum, sum_x, n			
Cumulative Component	Sum of the sum of values from each local object DATA: <2.1.a> id, date, stratum, sum_x, n			
Output	Single value of the overall arithmetic mean: cumulative object, divided by the sum of the total number of observations from each local object DATA: <2.1.a>mean Single value of the arithmetic mean by centre: cumulative object, divided by the sum of the total number of observations from each local object, for each centre, for each stratum DATA: <2.1.b>id, date, stratum, mean			







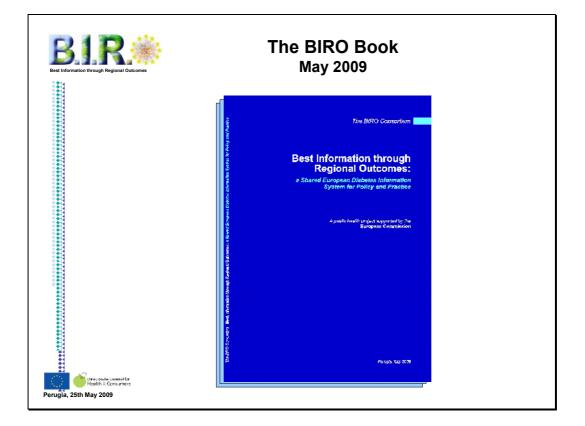
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12' 20"	40.404	17,552	1	
	19,434	5,315	2	LOCAL
	60,274	7,846	3	LOCAL
10' 51"	45,345	7,827	4	
5' 22"	10,994	5,008	5	
Elapsed Time	N episodes	N Patients	Centre	
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20' 54'	111,671	22,867	1+2	GLOBAL
21' 33'	217,290	30,713	1+2+3	
21' 56'	262,635	38,540	1+2+3+4	
22' 27'	273,629	43,548	1+2+3+4+5	
	111,671 217,290 262,635	22,867 30,713 38,540	<mark>1+2+3</mark> 1+2+3+4	GLOBAL



Information through Regional C	Dutcomes		BIRO R	-		
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	а Полти	1.1. Age (Class	es)			
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	 Diabolios indicators 	85 64	2175 (38.40 %)	3489 (61.50 %)	5564 (18.41.%)	-
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	oharacteristics	75 -	3719 (57.74 %)	2726 (42.29.%)	9436 (20 82 %)	1
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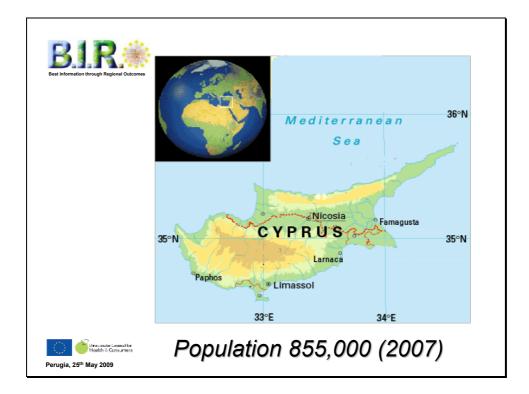
2	SIRD Box GUI			
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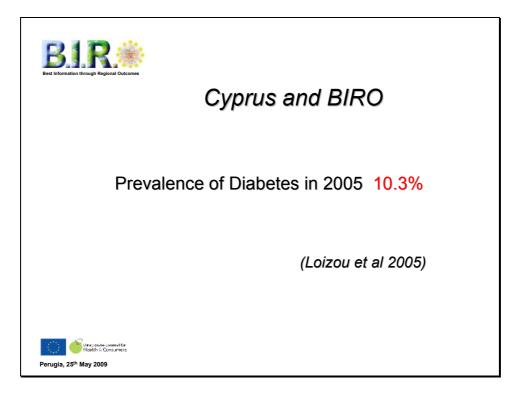


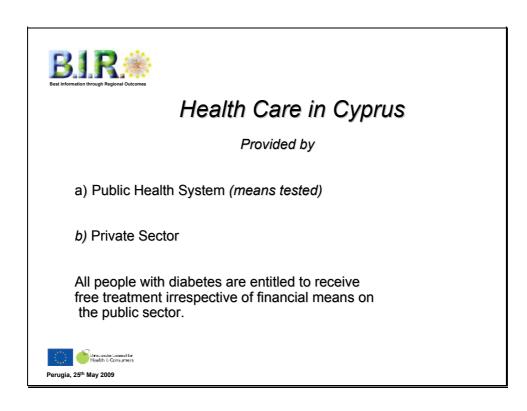


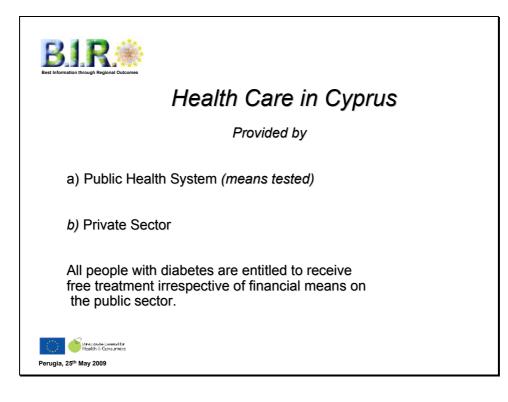
2.3.3 Using BIRO: the Cyprus experience

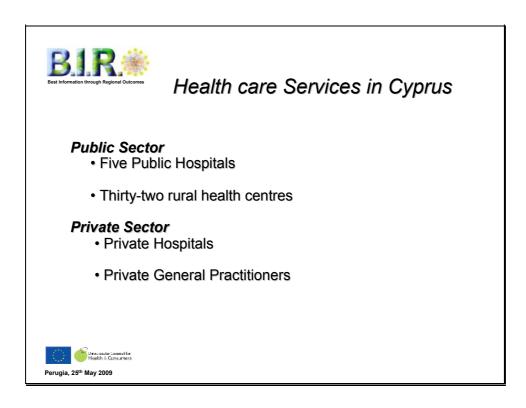


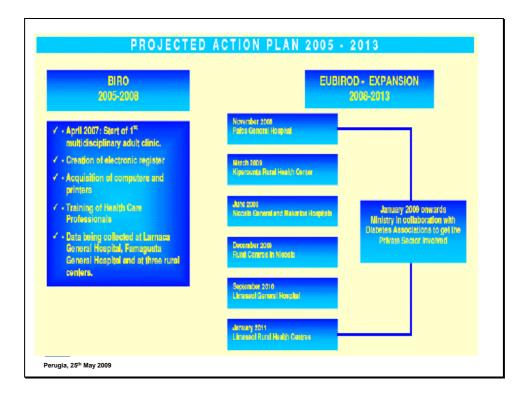


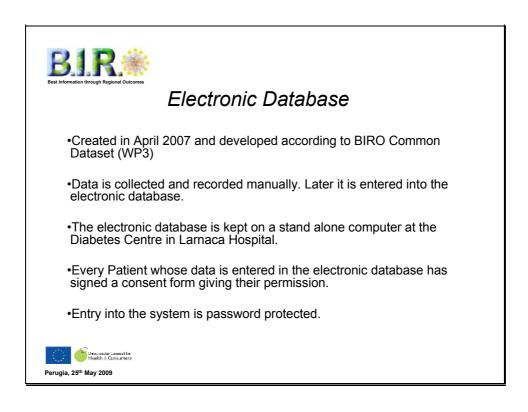


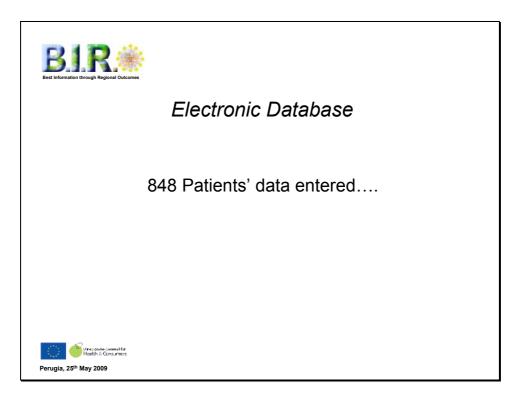






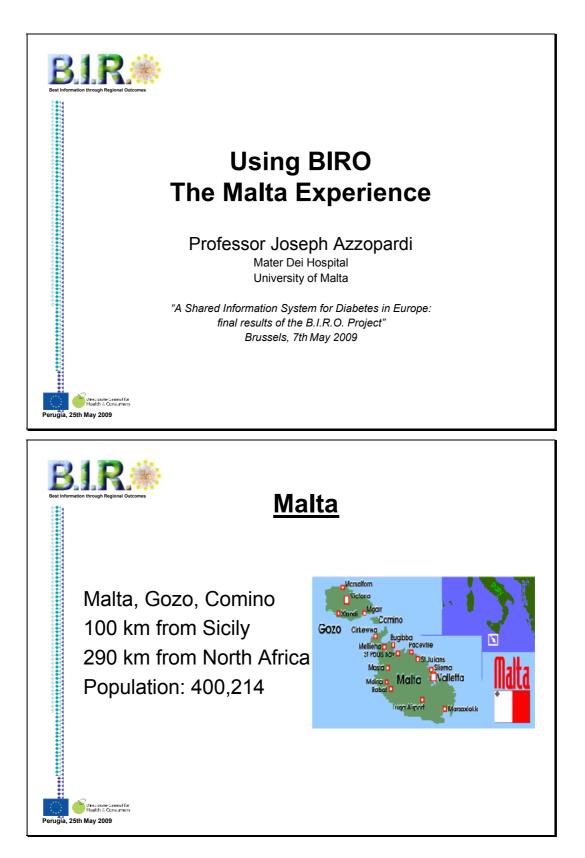


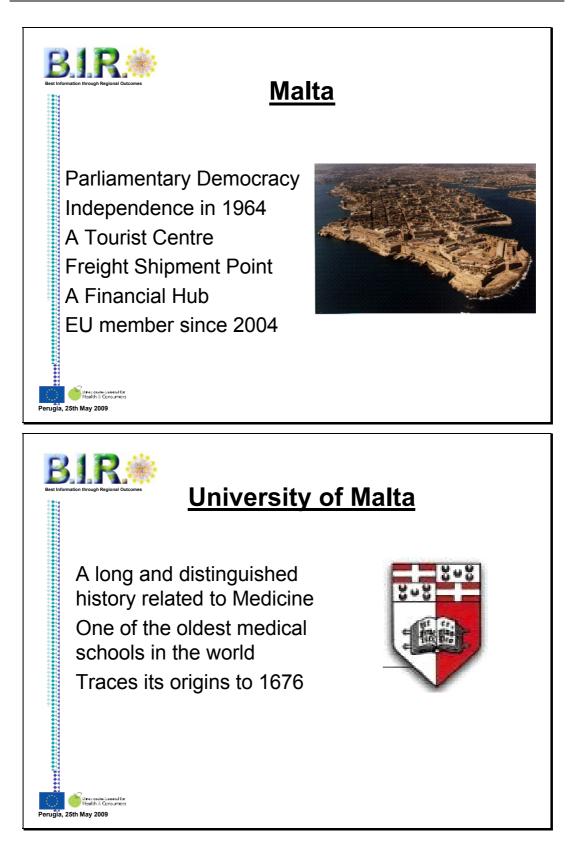


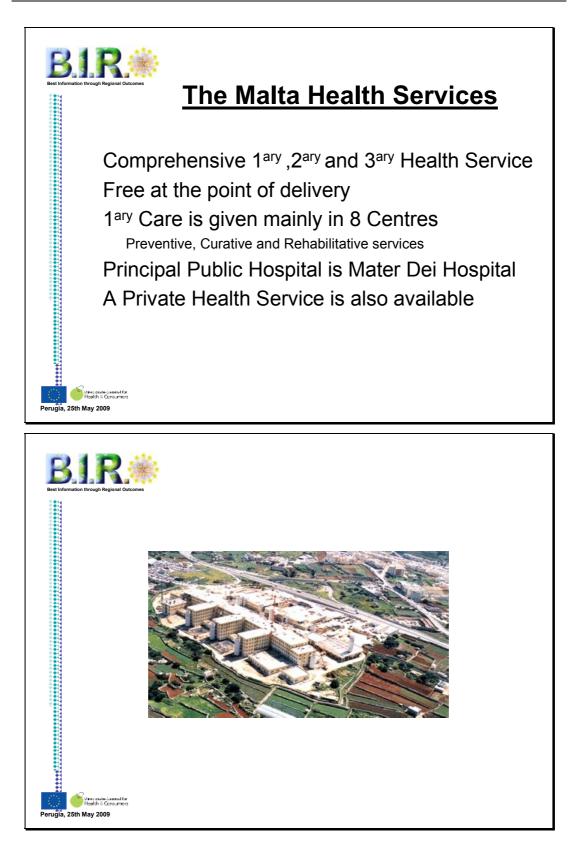


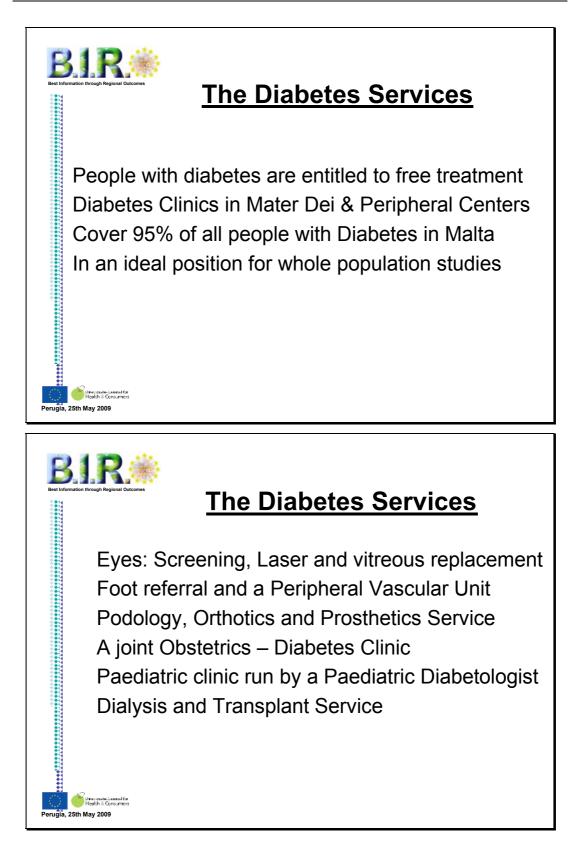


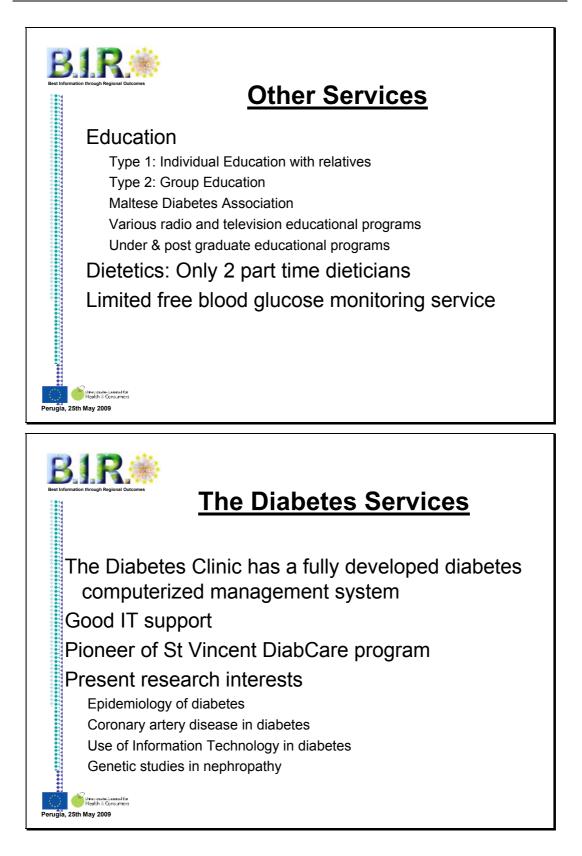
2.3.4 Using BIRO: the Malta Experience











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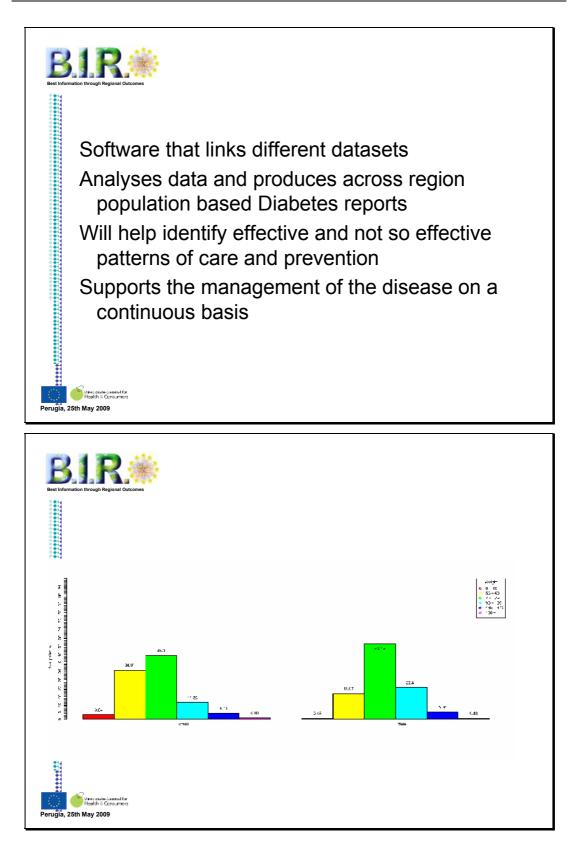
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2.4. Pictures











2.5. Press clippings

Here follows a list of articles regarding BIRO and the Plenary Session in Brussels:

•http://www.perugianews.it/it/sanita_u_e_migliore_qualita_nella_cura_del_diabete.ht ml

- •http://kajsawilhelmsson.blogspot.com/2009/05/biro-better-data-on-diabetes.html
- •http://www.regione.vda.it/notizieansa/details_i.asp?id=64883

3. Plenary session in Perugia

The official presentation of BIRO Project results in Perugia took take place at the Dessau Conference Room of University of Perugia on 25th May 2009.

3.1. Agenda

10:00 - 10: 30 10:30 - 10:45	Welcome of Authorities BIRO Objectives (<i>Prof. Massimo Massi Benedetti</i>)
10:45 - 11:00	Population-based diabetes registers (Svein Skeie)
11:00 - 11:30	The BIRO Project (Fabrizio Carinci)
11:30 - 11:45	Using BIRO: Malta experience (Joseph Azzopardi)
11:45 - 12:00	<u>Using BIRO: Cyprus experience</u> (George Olympios)
12:00 - 12:15	BIRO Technology Transfer (Prof. Joseph Azzopardi)
12:15 - 12:30	The BIRO System (Valentina Baglioni)
12:30 - 13:00	Discussion

3.2. Summary report

The final act of the BIRO project took place in Perugia on 25th May 2009 at the University Headquarters. Speakers on behalf of the Consortium included coordinators Prof. Massi Benedetti and Dr.Carinci (Italy), Prof. Azzopardi (Malta), Dr.Olympios (Cyprus) and Dr.Skjie (Norway).

Participants included representatives of the Consortium and local stakeholders interested in diabetes and regional policy and planning. Presentations matched overviews provided in Brussels, including snapshots of the whole project, highlights of its relevance for clinical practice, and how to translate it into action for public health in regional areas.

The audience appeared particularly interested in applying results at the level of the regional register, coordinated by the same Department of Internal Medicine managing the BIRO project.

The Perugia plenary session gave the occasion to celebrate the official closure of the project.

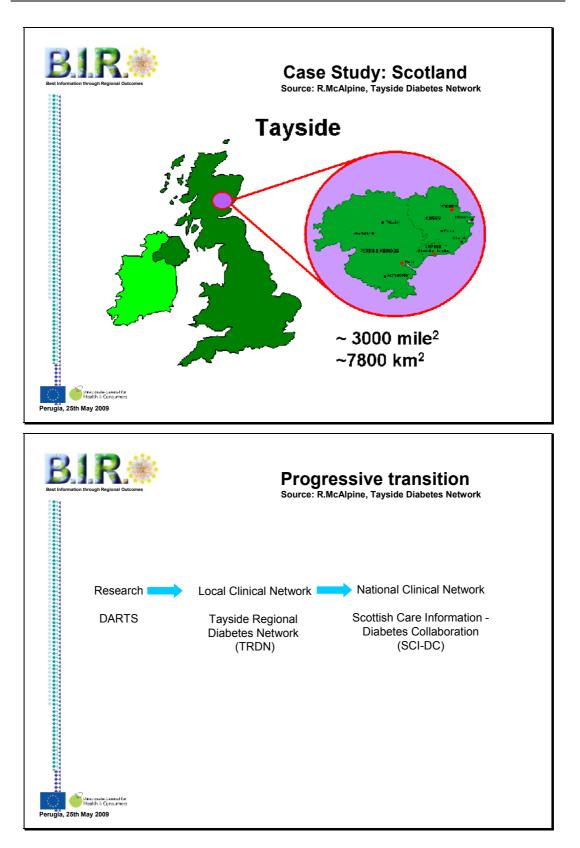
The BIRO monograph was distributed to all participants, along with an executive summary of the results

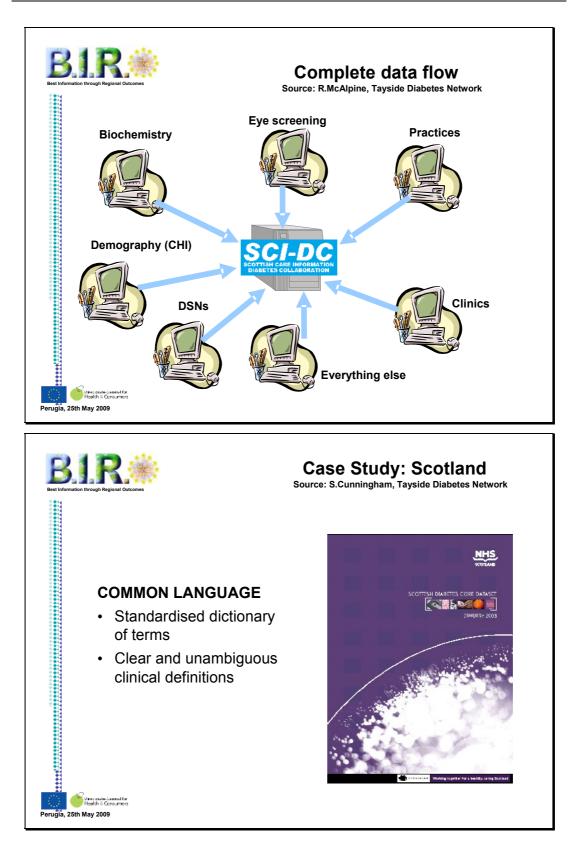
3.3. Presentations

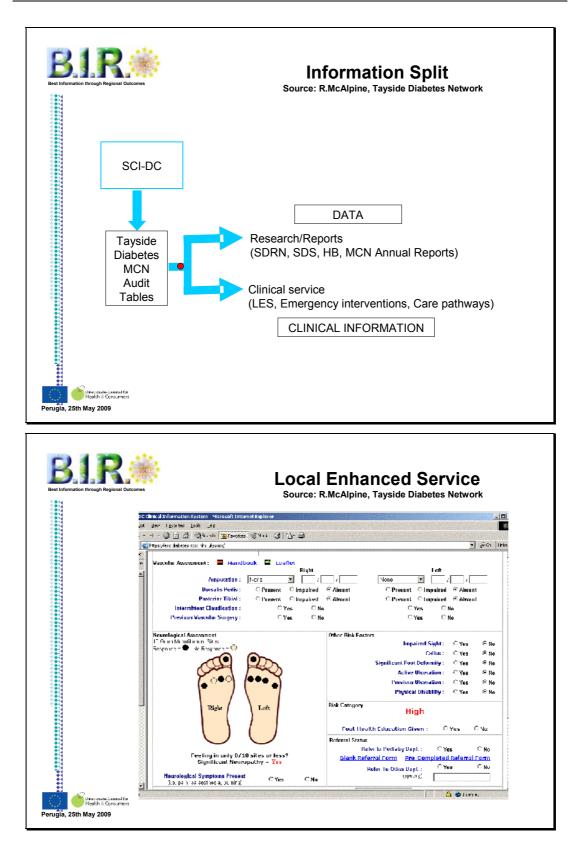
3.3.1 Population Based Diabetes Registers

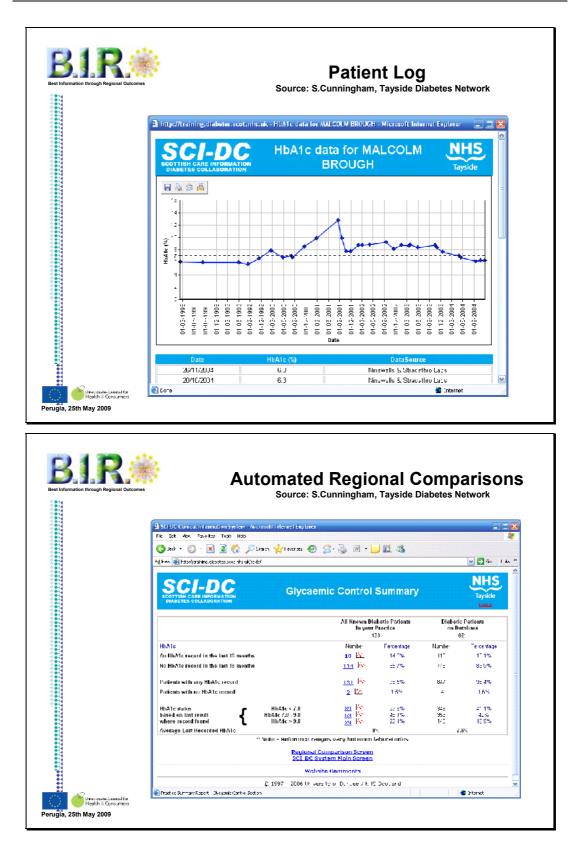


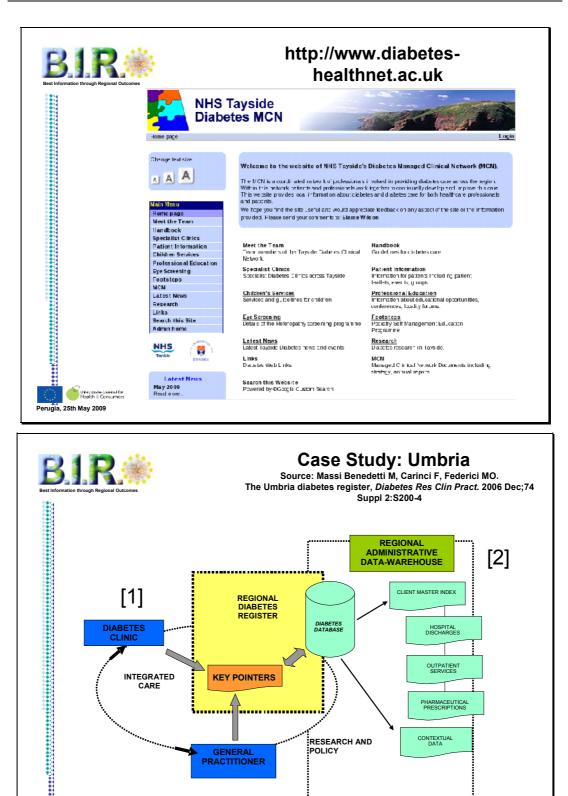






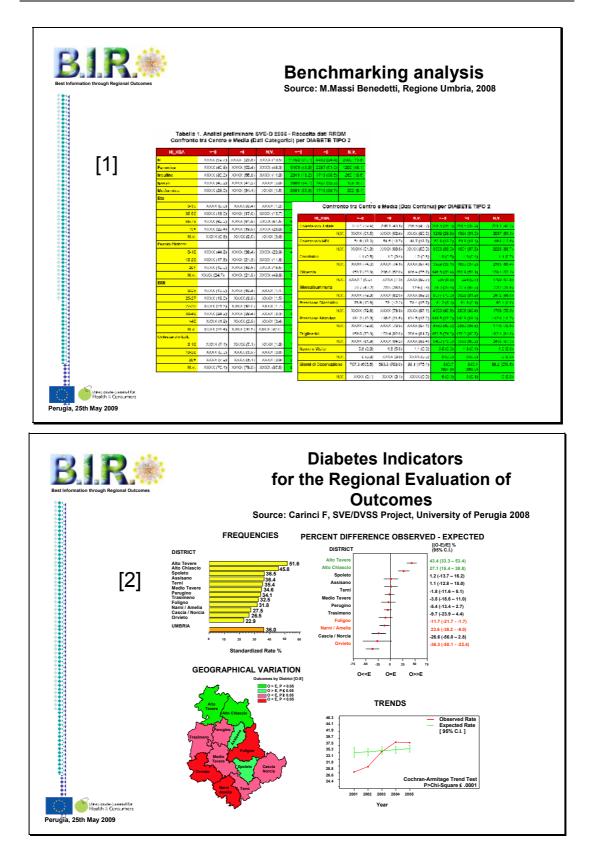


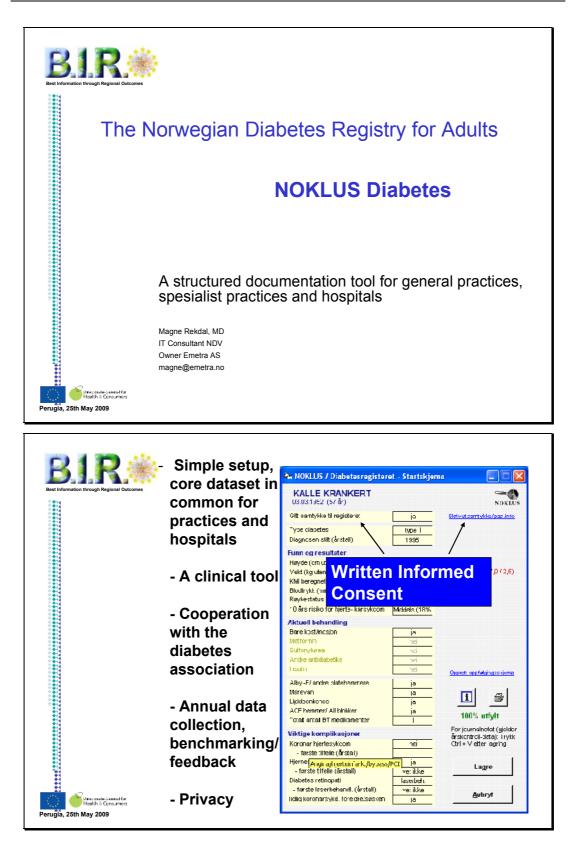




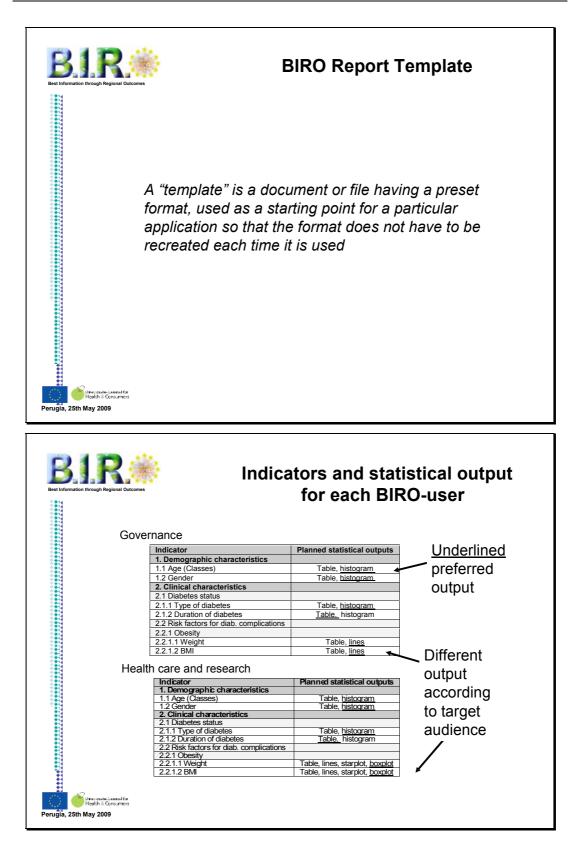
Unservices Second for Health & Consumers

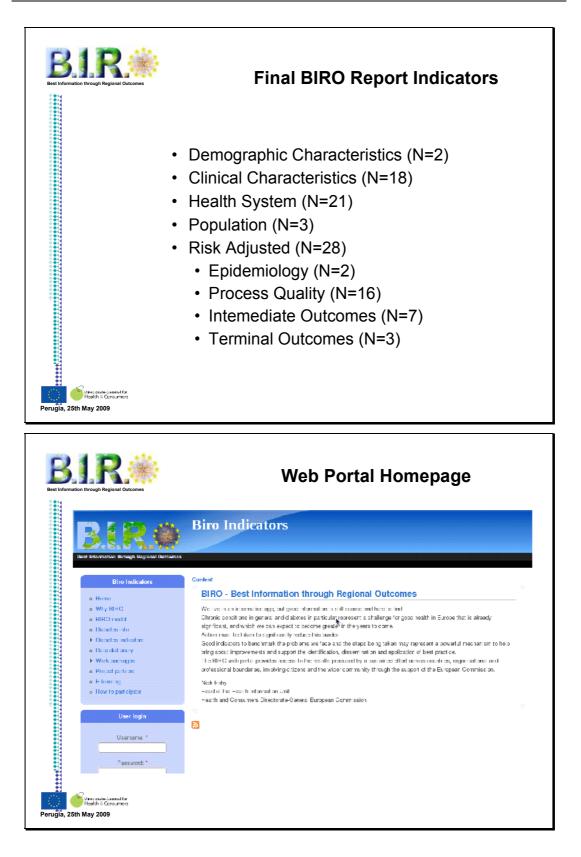
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3.3.2 The BIRO Project

Slides presented in Perugia are the same of Brussels Plenary session (see Section 2.3.2)

3.3.3 Using BIRO: the Malta experience

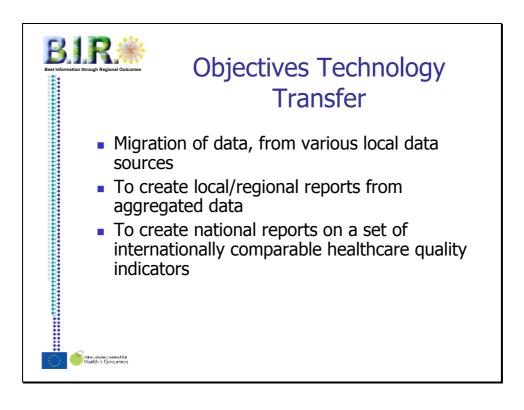
Slides presented in Perugia are the same of Brussels Plenary session (see Section 2.3.4)

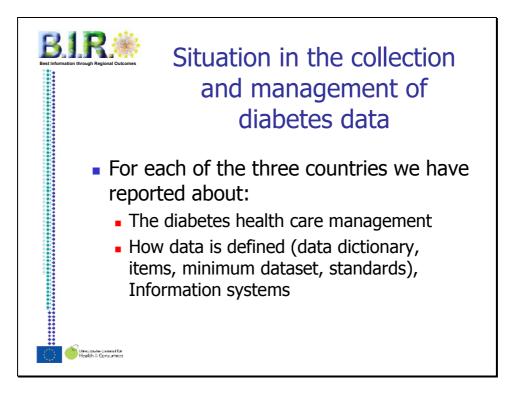
3.3.4 Using BIRO: the Cyprus experience

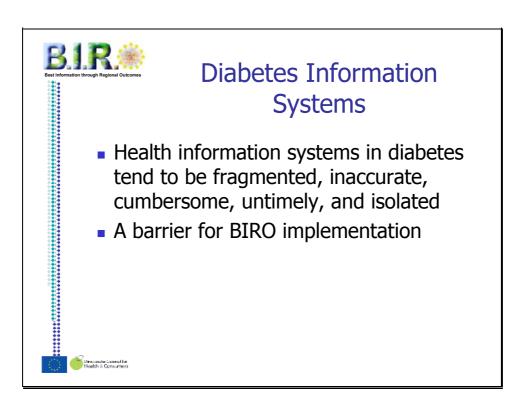
Slides presented in Perugia are the same of Brussels Plenary session (see Section 2.3.3)

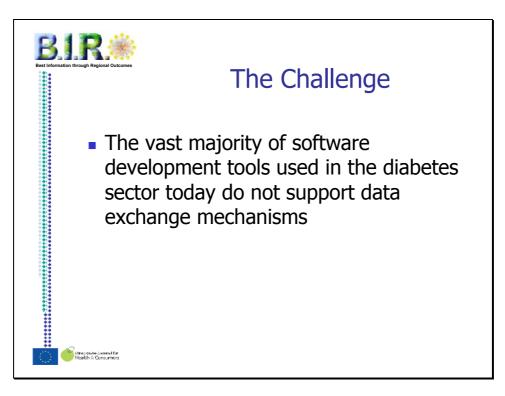
3.3.5 BIRO Technology Transfer in New Member States

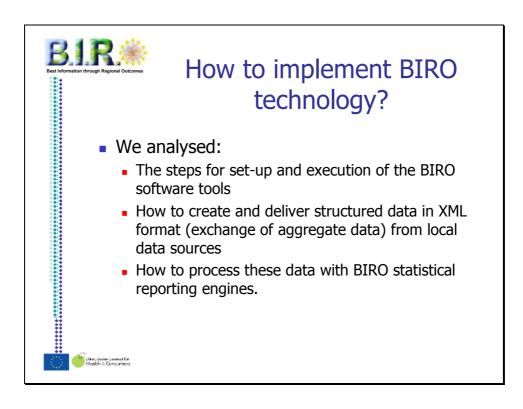


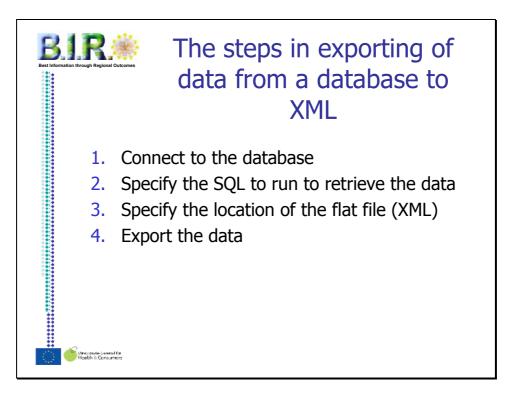






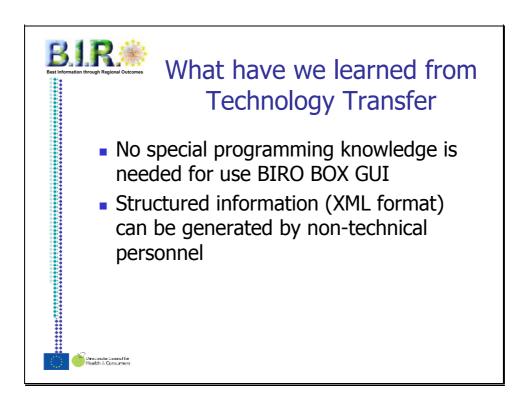


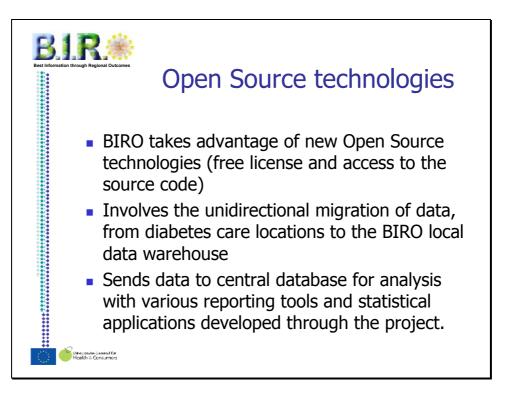








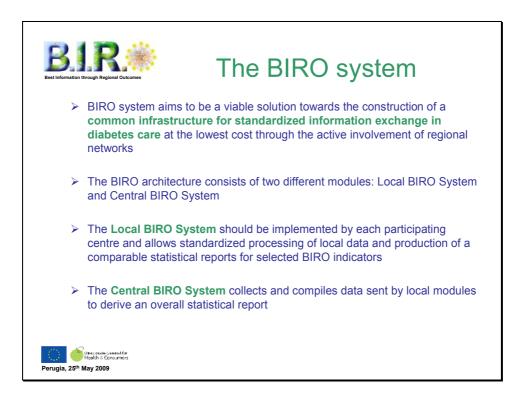


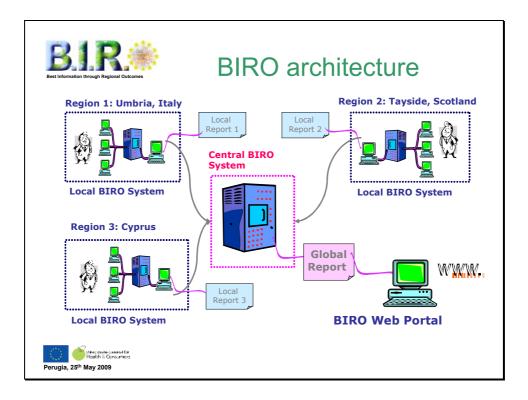


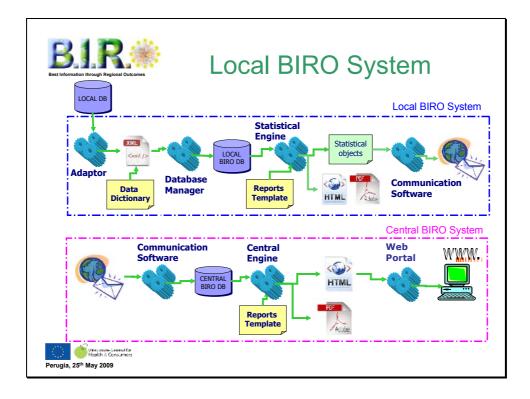


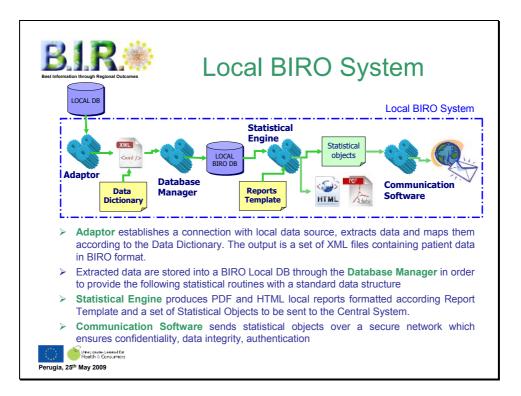
3.3.6 The BIRO System

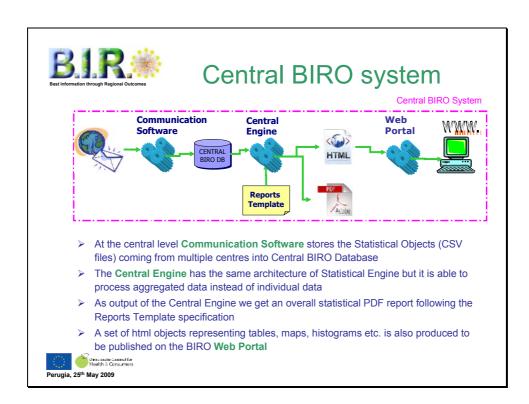


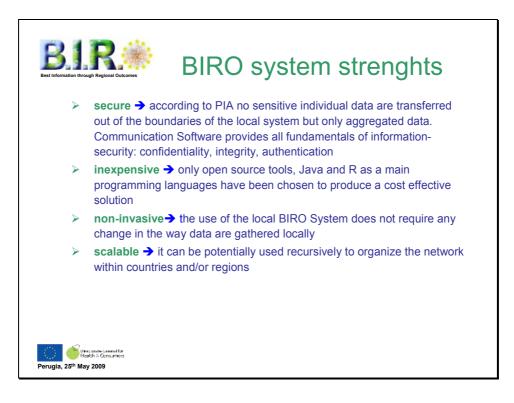


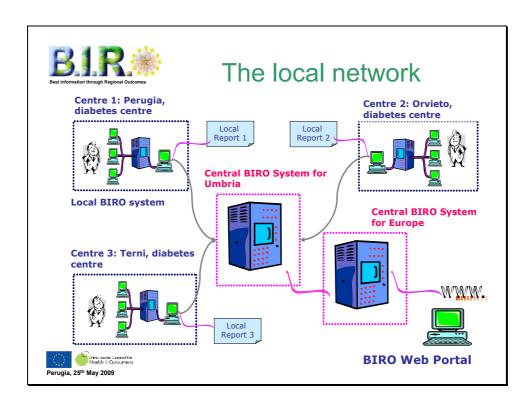


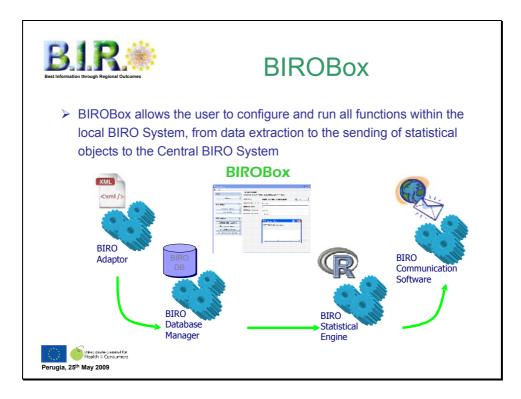












3.4. Pictures









3.5. Press clippings

Here follows a list of articles regarding BIRO and the Plenary Session in Perugia:

•http://www.iltamtam.it:80/Generali/Salute/LUniversita-di-Perugia-capofila-di-progetticontro-il-diabete-in-Europa.aspx

- •http://www.progettodiabete.org/indice_ie1000.html?news/2009/n2009_035.html
- •http://www.unipg.it/ufstampa/wwwnew/comunicati%202009/biro1.htm
- •http://www.ansa.it/salute/regionali/umbria/20090525165434885502.html

Il Messaggero 26 maggio 2009 MEDICINA&RICERCA Perugia capofila

nella lotta al diabete

Perugia è stata capofila di un progetto per la lotta al diabete ed in particolare per un nuovo sistema informativo europeo. Il progetto, denominato Biro (Best information through regional outcomes), realizzato dal Centro di coordinamento del dipartimento di Medicina interna della facoltà medica, sotto la direzione del professor Massimo Massi Benedetti, ha avuto una durata di 40 mesi e ha coinvolto atenei e istituzioni scientifiche di Scozia, Austria, Malta, Cipro, Norvegia e Romania. «Finanziato dalla Commissione europea c dalla Regione ha spiegato il professor Massi Benedetti - ha permesso di creare, tramite il software Biro, gratuito e open source, un sistema che collega i diversi registri re-

gionali e fornisce, su base automatica e continuativa, una griglia di indicatori che possono essere digrande aiutonel migliorare, nei singoli Paesi, le modalità attuate per la cura del diabete». «Biro - ha aggiunto Massi Benedetti - che facilita il trattamento dei dati e la produzione di rapporti statistici uniformi secondo regole comuni, consente di estrarre e analizzare, nel rispetto delle normativa sulla privacy, cartelle cliniche e amministrative, consentendo di confrontare dati a livello curopeo». Gli studi e la ricerca proseguiranno con un nuovo progetto, Eubirod, sempre sotto l'egida della Commissione europea e con il supporto della Regione, che coinvolgerà 21 Paesi, con Perugia ancora capofila.

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26 maggio 2009

L'Università mette a punto un registro informatico per migliorare la cura del diabete Si chiama "Biro" ma è una banca dati

PERUGIA · Una huona assistenza nel campo della salute passa anche attraverso un valido sistema informatico, come ha dimostrato progetto europeo denominato B.I.R.O. (Best information through regional outcomes) insieme a sette diversi partners. E' stata creata una banca dati innovativa per consentire, in particolare, una migliore qualità nella cura ne alla sala Dessau dell'Università di Perugia 'Università di Perugia che è a capo di un **Un lavoro durato 40 mesi e ieri la presentazio**del diabete nell'Unione europea.

dell'esito del progetto realizzato dal Centro coordinamento del dipartimento di Medicina interna sotto la direzione del professor

Massimo Massi Benedetti e reso possibile grazie al finanziamento congiunto di Commissione europea e Regione dell'Umbria.

su base automatica e continuativa una griglia mative sulla privacy possono essere di aiuto In sostanza, è stato costruito un sistema che collega i diversi registri regionali e fornisce di tabelle di indicatori che - ha spiegato il professor Benedetti - nel rispetto delle norper migliorare nei singoli paesi le modalità ta dati - ha aggiunto - derivante da database diversi. Tuttavia, l'analisi dei dati viene mes sa a disposizione non solo a livello centrale, ma anche locale e nazionale. Ciò permette di attuate per la cura del diabete. "E' una raccol

a crescere a ritmo all'armante". Il software G.Nic. re gradualmente una patologia che continua no. "Non produciamo mera tecnologia - ha zioni cliniche per diversi livelli di utilizzo: vo". In altre parole, "informazioni per migliori decisioni che possano ridurre gli esiti sfavorevoli del diabete e bloccare se non sconfigge-Attraverso Biro, dunque, i metodi di epidemiologia, statistica e informatica si infegraprecisato il professor Benedetti - ma informabiro è gratuito e può essere usato liberamendecisionale político-strategico e amministrati generare un confronto su realtà diverse". te dalle regioni e dai centri interessati

	** Esami medici per rilevare il diabete trattamento dei dati e la pro- duzione di rapporti statistici uniformi secondo regole co- muni, consente di estrarre e analizzare, nel rispetto delle normativa sulla privacy, car- telle cliniche e amministrati- ve, consentendo di confronta-	re dati a itvelio europeo Gli studi e la ricerca indirizza- ti alla lotta contro il diabete proseguranno con un nuovo progetto, dal litolo "Eubi- rod", che sarà realizzato sem- pre sotto l'egida della Com- missione europea e con il sup- porto della Regione Umbria, e coinvolgerà 21 Paesi, anco- ra una volta con Perugia come capofia. Il diabete nel mondo - sottoli- neano gli esperti - uccide una persona ogni quaranta secon- di. Nel giro di dieci anni si prevede che i malati raddop- pieranno, passando dai 200 milioni attuali a 400 milio- ni".
		indicatori che possono essere di grande aiuto nel migliora- re, nei singoli Paesi, le moda- lità attuate per la cura del dia- bete". "Biro - ha aggiunto ancora Massi Benedetti - facilita il
Biro" 26 maggio 2009 Biro" 2009		Benedetti - l'iniziativa ha per- messo di creare, tramite il sof- tware gratuito e open source Biro, un sistema che collega i diversi registri regionali e for- niscc, su base automatica e continuativa, una griglia di
II Giornale dell'Umbi	ila nel progetto "Biro" iche in rete, gano il diabete	Chriversitä Protagonista il dipartimento di Medicina Perugia, sotto la direzione del professor Massimo Massi Be- nedetti, ed ha avuto una dura- ta di 40 mesi. "Finanziato dal- la Commissione europea e dalla Regione Umbria - ha spiegato il professor Massi
	Ricerca Perugia capofila nel progetto "Biro" Cartelle cliniche in rete, i Paesi dialogano per vincere il diabete	PERUGIA - La città di Peru- gia capofila di un progetto per la lotta al diabete ed in parti- colare per un nuovo sistema informativo europeo. I risultati dell'iniziativa "Bi- ro" (Best information through regional outcomes), sono stati presentati ieri. Il progetto, che ha coinvolto atenei e istituzioni scientifi- che di Scozia, Austria, Malta, Cipro, Norvegia e Romania, come chiarisce una nota dell'Università degli studi di Perugia è stato realizzato dal Centro di coordinamento del dipartimento di Medicina in- terna della facoltà medica di

Umbria Settegiorni 29 maggio 2009

Importanti risultati dell'Università sul piano della ricerca e dell'assistenza Lotta al diabete, Perugia è capofila del nuovo sistema informativo europeo

R.C.

I diabete è in forte aumento: nel mondo uccide una persona ogni quaranta secondi. Nel giro di dieci anni i malati raddoppieranno, passando dai 200 milioni attuali a 400 milioni. Nella lotta a questa malattia l'Università degli Studi di Perugia sta operando con impegno ottenendo significativi risultati sul piano della ricerca e dell'assistenza clinica. Nella sala Dessau di Palazzo Murena, sono stati presentati i risultati del progetto BIRO (Best information throug Regional Outcomes), realizzato dal Centro di Coordinamento del Dipartimento di Medicina Interna della Facoltà medica di Perugia, sotto la direzione del professore Massimo Massi Benedelti: ha avuto una durata di 40 mesi e ha coinvolto Atenci e istituzioni scientifiche di Scozia, Austria. Malta, Cipro, Norvegia e Romania, con Perugia che ha avuto il ruolo di capofila. "Il progetto, finanziato dalla



Commissione Europea e dalla Regione Umbria, ha permesso di creare, tramite il software BIRO, gratuito e open source, un sistema che collega i diversi registri regionali e fornisce, su base automatica e continualiva, una griglia di indicatori che possono essere di grande aiuto nel migliorare, nei singoli paesi, le modalità attuate per la cura del diabete - ha sottolineato il professor Massi Benedetti - . BIRO, che facilita il trattamento dei dati e la produzione di rapporti statistici uniformi secondo regole comuni, consente di estrarre e analizzare, nel rispetto delle normativa sulla privacy, cartelle

cliniche e amministrative, consentendo di confrontare dati a livello europeo; con la possibilità, dunque, di avere maggiore informazioni in modo da prendere le migliori decisioni per ridurre gli esiti sfavorevoli del diabete e quindi bloccare e sconfiggere gradualmente una patologia che sta crescendo a un ritmo allarmante". Nel corso dell'incontro i referenti del progetto hanno evidenziato come, attraverso BIRO, è possibile migliorare l'organizzazione delle cure, come ha dimostrato il caso di Cipro dove è nata la prima clinica di diabetologia ed è stato istituito un registro del diabete che in pochi mesi è diventato operativo e sta rapidamente coprendo il territorio di quel Paese. Gli studi e la ricerca non sono affatto conclusi. A BIRO seguirà, infatti, un nuovo progetto, EUBIROD, sempre sotto l'egida della Commissione Europea e con il supporto della Regione Umbria, che coinvolgerà 21 paesi, con Perugia ancora capofila.