



Cyprus EU Presidency
High Level Conference
“Healthy Ageing across the Lifecycle”
Nicosia, 5 September, 2012

The EUBIROD Project: A Shared Evidence-based Diabetes Information System for Europe

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Fabrizio Carinci – Technical Coordinator

(Project Leader: Prof.M.Massi Benedetti, Un.Perugia, ITALY)



EU Parliament Resolution on Diabetes (14 March 2012):

*“4. Calls on the Commission to draw up **common, standardised criteria and methods for data collection on diabetes, and, in collaboration with the Member States, to coordinate, collect, register, monitor and manage comprehensive epidemiological data on diabetes, and economic data on the direct and indirect costs of diabetes prevention and management**”*



EU Initiatives

EUCID Project – 2006-2007
(European Core Indicators in Diabetes)

EUDIP
(European Diabetes Indicators Project)

BIRO - 2005 – 2009
(Best Information through Regional Outcomes)



The BIRO Project

Aim: To construct an evidence and population based diabetes information system

Objective: To build a common European infrastructure for standardized information exchange in diabetes care, for the purpose of monitoring, updating and disseminating evidence on the application and clinical effectiveness of best practice guidelines on a regular basis.

B.I.R.O. Partners

The Consortium includes seven partners from academia and governmental institutions, sharing an extensive experience in diabetes research/chronic care management

University of Perugia
Italy



University of Dundee
Scotland



University of Bergen
Norway



Joanneum Research
Austria



Ministry of Health
Cyprus



Paulescu Institute
Romania



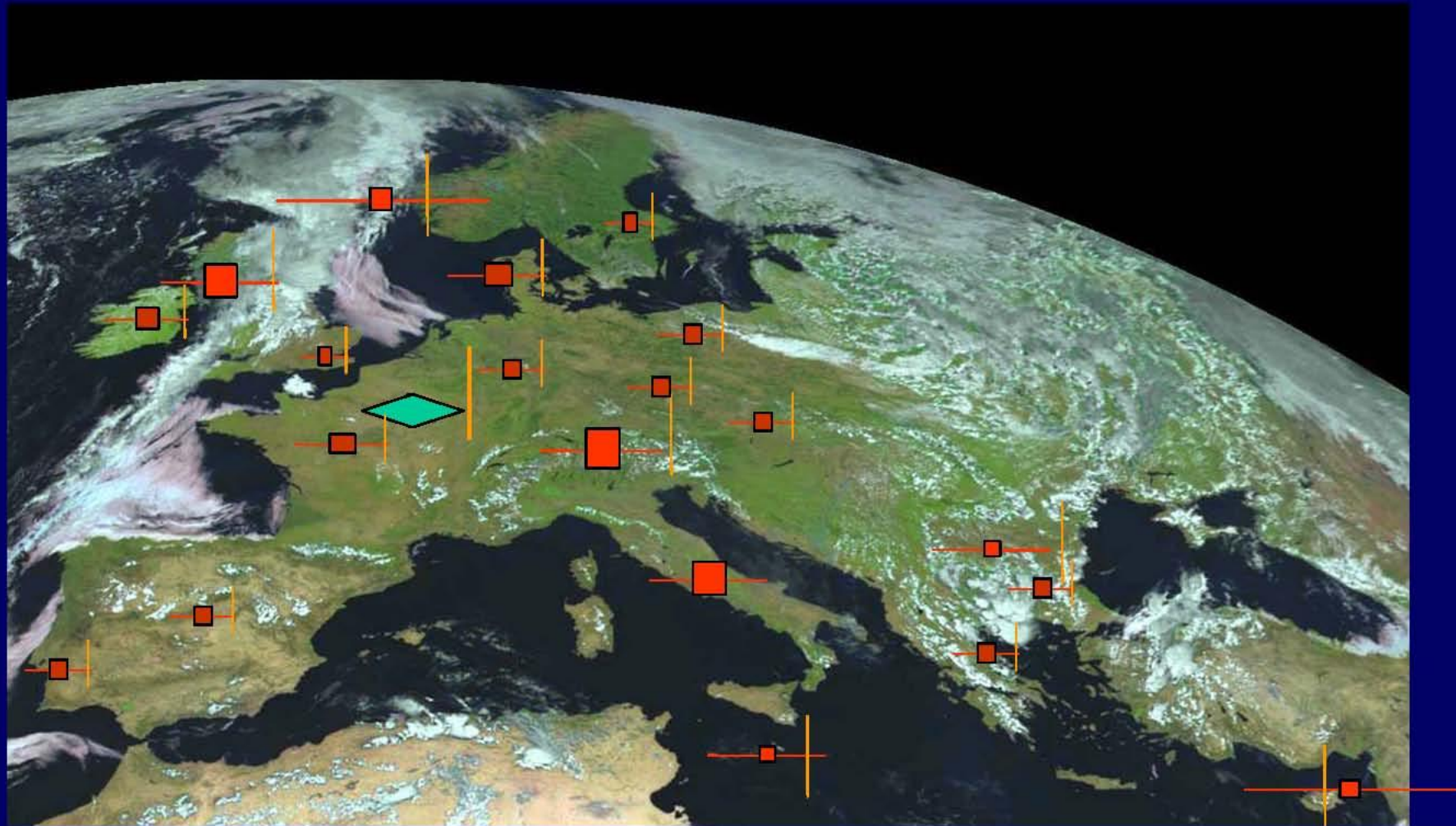
University of Malta
Malta



“EUBIROD aims at establishing a European Diabetes Register through the extension of the BIRO network and the use of related technology”

EC Grant Agreement 2007115 EUBIROD, Brussels, 19/8/2008

*DG-SANCO Health Information
EC Contribution (60%): 1,114,117.71€
Duration: 42 months
Total N.Participants: 26
N.Countries: 21*





The EUBIROD Project vision

Shared

Owned by a Community: Anyone can Join

Open Source

Free to Modify and Use, Widely distributable

Industry Independent

Public

Privacy by Design

Legally Viable

Privacy by Design (EU Data Directive)

DI IORIO CT et al, J Med Ethics. 2009 Dec;35(12):753-61

Law, ethics and medicine

Privacy impact assessment in the design of transnational public health information systems: the BIRO project

C T Di Iorio,¹ F Carinci,¹ J Azopardi,² V Baglioni,³ P Beck,⁴ S Cunningham,⁵ A Evripidou,⁶ G Leese,⁷ K F Loevaas,⁸ G Olympica,⁹ M Orsini Federici,³ S Pruna,⁹ P Palladino,¹⁰ S Skie,⁹ P Taverner,⁹ V Traynor,⁹ M Massi Benedetti⁷

Result of the BIRO Delphi panel: best alternative identified to balance privacy protection and information content





The EUBIROD Project vision

Distributed
Efficient and Sustainable

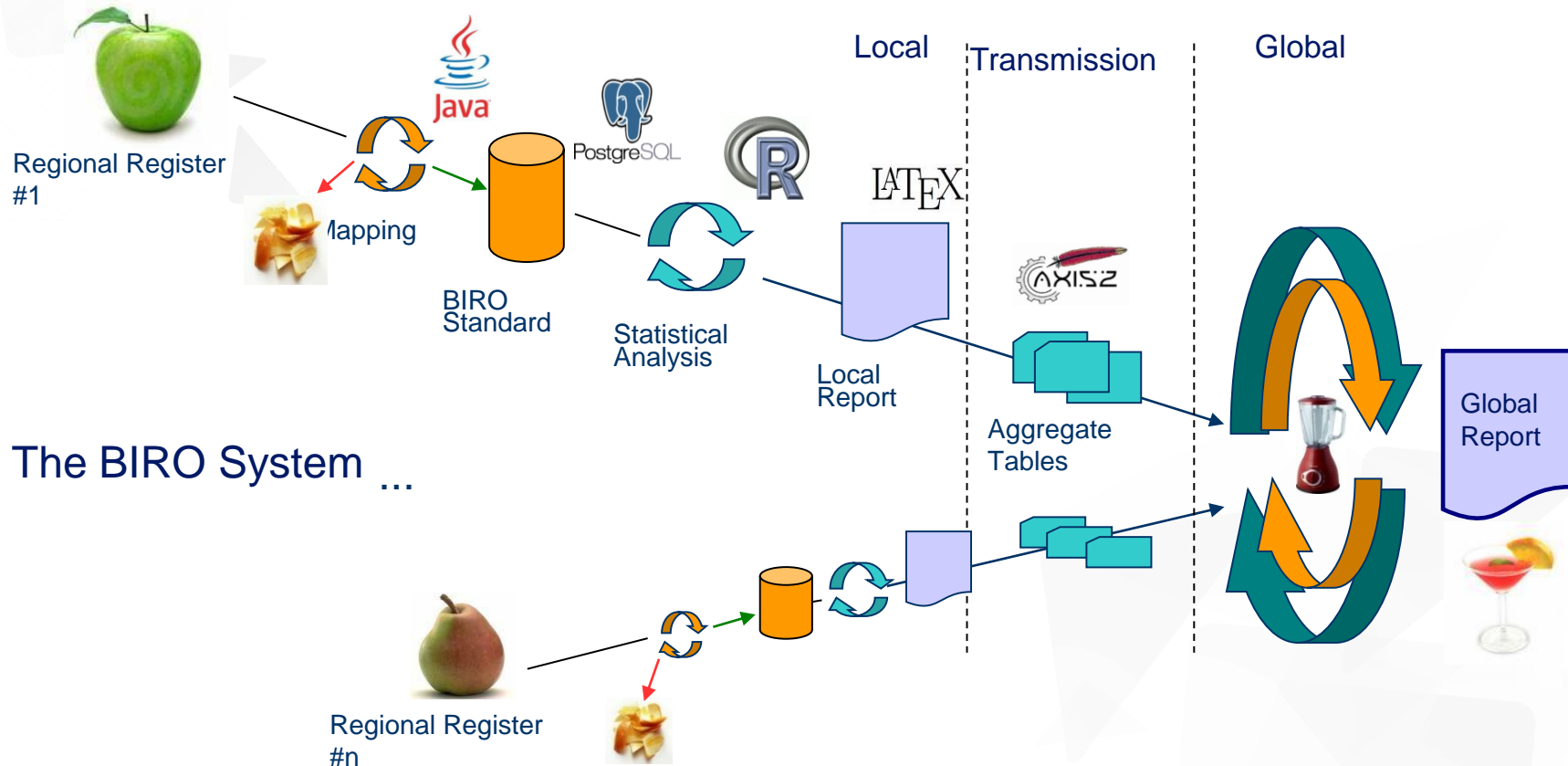
Standardized
Evidence-based

Risk Adjusted
Statistically Robust

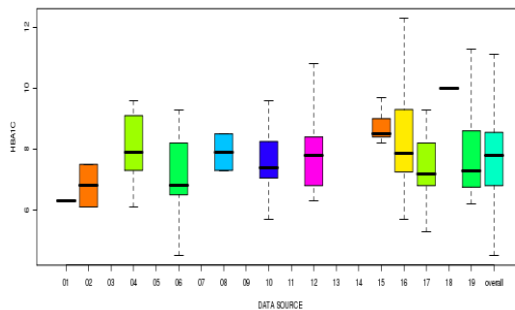
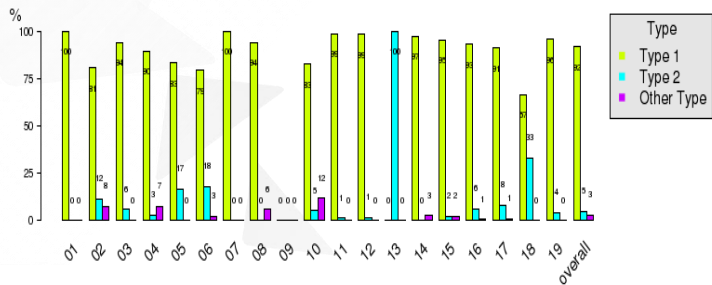
Multidimensional
Policy Relevant

“..methods for data collection on diabetes..”

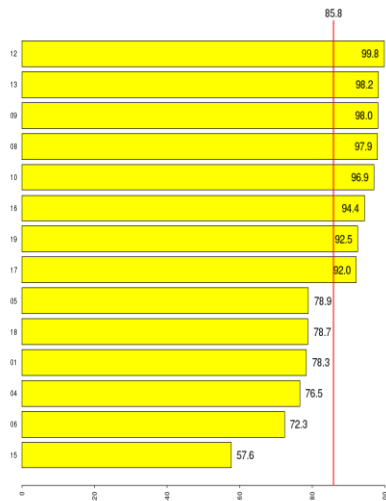
http://www.eubirod.eu/images/eubirod_homepage_mainfigure_explained.png



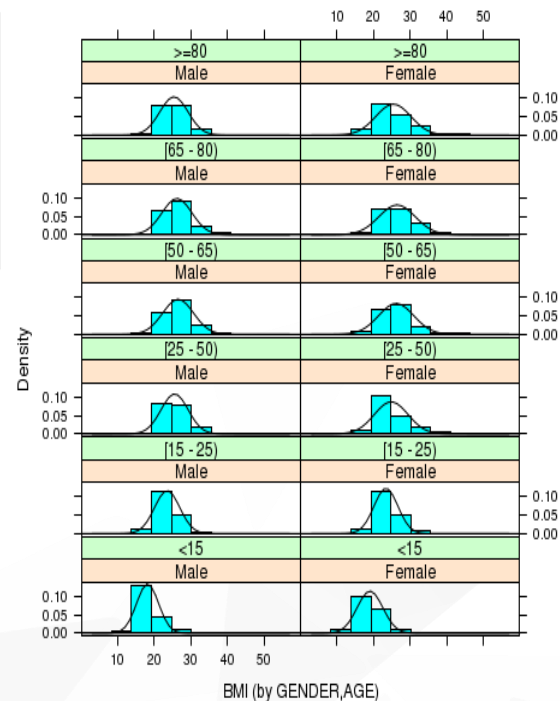
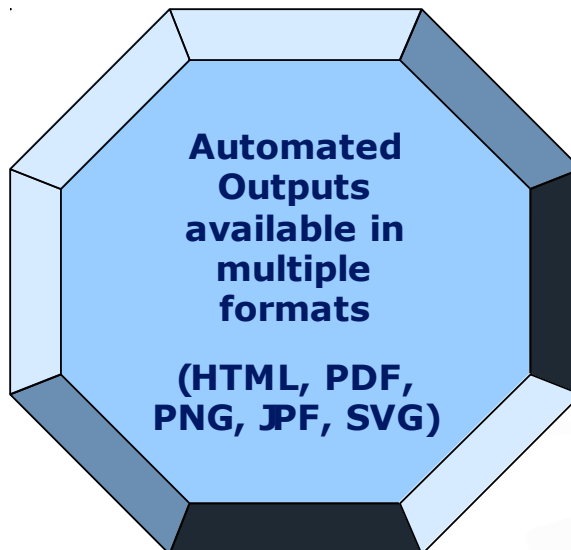
Flexible Reporting



Assessing Data Quality / Variability across Sources



Benchmarking EU-Adjusted Standardized Indicators



Distribution of Risk Factors



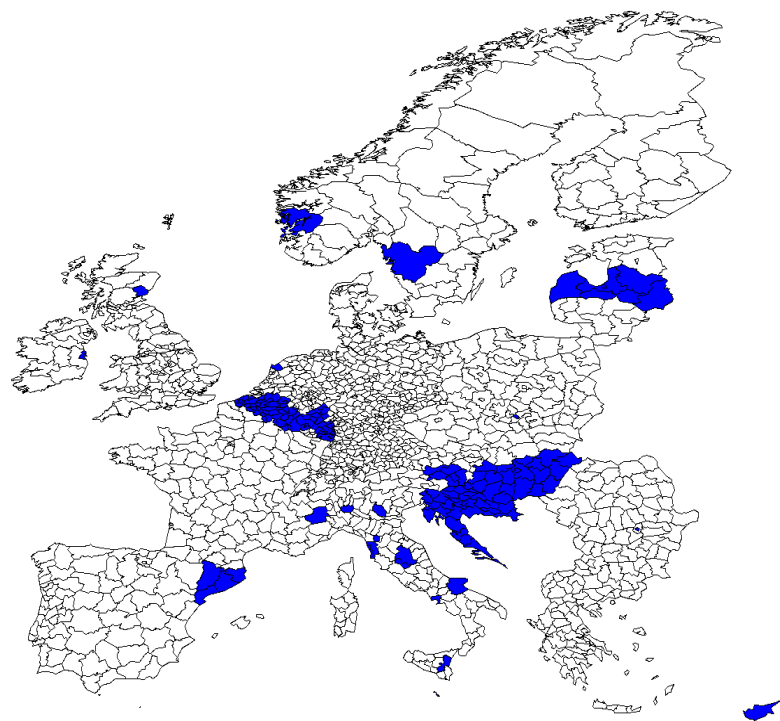
EUBIROD's Contribution to Growth in Europe

- Reduce the risk of diabetes complications
- EUBIROD diabetes indicators used as framework for care and clinical audit
- Targeted monitoring controls the allocation of resources

EUBIROD Diabetes Report,

YEAR 2010

N=199,902



13 Days from Software Release
to Online Publication of the results !

Independent Evaluation

Euroreach WP2: Coordination with EU/International Health Data Initiatives
<http://www.euroreach.net/activities/workpackages/w2>

Recommendation: BIRO can be extended to further diseases and has even been specifically conceived and realized for that, since the entire platform may be parameterized to allow the computation of health indicators for a wide range of diseases”



WHO Europe Tallinn Charter

***“Invest in health systems,
invest in the future”***

Thank you.