



EUROPEAN COMMISSION
RESEARCH DG

CP-CSA-NoE Periodic Report

Project No: 226285

Project Acronym: ENRIECO

Project Full Name: ENVIRONMENTAL HEALTH RISKS IN
EUROPEAN BIRTH COHORTS

CP-CSA-NoE Periodic Report

Period covered: from 01/03/2009 to 28/02/2010

Date of preparation: 28/04/2010

Start date of project: 01/03/2009

Date of submission (SESAM):
28/04/2010 16:33:53 CET

Project coordinator name:

Prof. Mark Nieuwenhuijsen

Project coordinator organisation name:

FUNDACIO CENTRE DE RECERCA EN
EPIDEMIOLOGIA AMBIENTAL - CREAL

Version: 1

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PROJECT PERIODIC REPORT

Grant Agreement number:	226285
Project acronym:	ENRIECO
Project title:	ENVIRONMENTAL HEALTH RISKS IN EUROPEAN BIRTH COHORTS
Funding Scheme:	FP7-CSA-CA
Date of latest version of Annex I against which the assessment will be made:	19/05/2009
Period number:	1st
Period covered - start date:	01/03/2009
Period covered - end date:	28/02/2010
Name of the scientific representative of the project's coordinator and organisation:	Prof. Mark Nieuwenhuijsen, FUNDACIO CENTRE DE RECERCA EN EPIDEMIOLOGIA AMBIENTAL - CREAL
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Project website address:	http://www.enrieco.org/

Declaration by the scientific representative of the project coordinator (1)

I, Prof. Mark Nieuwenhuijsen, FUNDACIO CENTRE DE RECERCA EN EPIDEMIOLOGIA AMBIENTAL - CREAL, as scientific representative of the coordinator of the project ENRIECO and in line with the obligations as stated in Article II.2.3 of the Grant Agreement declare that:

The project has fully achieved its objectives and technical goals for the period.

The attached periodic report represents an accurate description of the work carried out in this project for this reporting period.

The public website is up to date, if applicable.

To my best knowledge, the financial statements which are being submitted as part of this report are in line with the actual work carried out and are consistent with the report on the resources used for the project (section 6) and if applicable with the certificate on financial statement.

All beneficiaries, in particular non-profit public bodies, secondary and higher education establishments, research organisations and SMEs, have declared to have verified their legal status. Any changes have been reported under section 5 (Project Management) in accordance with Article II.3.f of the Grant Agreement.

Name	Prof. Mark Nieuwenhuijsen, FUNDACIO CENTRE DE RECERCA EN EPIDEMIOLOGIA AMBIENTAL - CREAL
Date	28/04/2010

This declaration was visaed electronically by Diana VAN GENT (ECAS user name nvangedi) on 28/04/2010 at 28/04/2010 16:33:53 CET

1. Publishable summary

Publishable summary

ENRIECO structures European pregnancy and birth cohorts' information to improve the knowledge base for researchers, policy makers and other stakeholders, searching for birth cohorts with certain types of information. Harmonizing and combining cohort data increases statistical power through an enlarged set of data, allowing us to examine also rare exposures and outcomes and compare regional differences in Europe. Our searchable, web-based inventory will be the first to combine information on all European birth and pregnancy cohorts that have data on environment and health. This is a prerequisite for future database building to improve environment-health linkages and facilitate all future collaborations in this field.

WP1 Inventory of Birth Cohorts presented a basic inventory of initial ENRIECO cohorts from published data and websites at the project kick-off meeting, and is currently adding further cohorts. We developed an inventory questionnaire (Annex I) completed by 31 participating cohorts, and entered the information in a database. Checks, corrections and additions are ongoing. Web programmers have been contacted and programming of a web-based database is underway. All cohorts in the inventory will be invited to participate to contribute to a publication with an overview and description of European birth cohorts.

WP2, 3, 4 and 5 have developed evaluation protocols for their working groups (WG) forming the overall WP strategies, deliverables (D) 3, 4, 5, 6 and 7. Evaluations are ongoing, reviews being drafted and first results will be presented during the project meeting in May 2010.

WP2 Evaluation of Exposures (Table 1.1) has analysed existing exposure information to identify inconsistencies and additional data needs, which has mostly been collected. Potential overlaps between WGs were identified, discussed and solved between WG leaders.

WP3 Evaluation of Health Outcomes (Table 1.2) is listing and defining all relevant health outcomes, identifying existing approaches to assess them and discussing their strengths and weaknesses. A new WG "child growth, metabolic and endocrine disorders" was established due to the increasing prevalence of child growth disorders in many European areas and the corresponding public health burden.

WP4 Evaluation of Exposure-Response Relationships is reviewing scientific publications of European birth cohorts (Table 1.3). Some reviews have already been published on cohort studies around the impact of air pollution on allergy and asthma, and persistent organic pollutants (POPs) on neurobehavioural and cognitive function. A new WG was established during the ENRIECO kick-off meeting to address the potential health hazard of second hand smoke in children.

WP5 Database Building (Table 1.4) is developing a quantitative summary of possible health effects of indoor environmental exposures in European birth cohort Studies. We selected 21 European cohorts for the case studies, 19 actively contribute and for 11 the data collection process is completed. Results of each case study answer specific research questions regarding early and specific indoor environmental exposure and asthma/allergy.

WP6 Dissemination designed a project brand (Fig 1.1) and launched the ENRIECO website, www.enrieco.org (D1), a means to sharing information and raising profile. We are actively managing the content of the site to keep it up-to-date.

We published a project brochure (D2) and organized the first ENRIECO workshop in 2009 in Barcelona, Spain. A Dissemination Strategy was completed (D8) describing the tools and plan for effective dissemination of project results and the ENRIECO project Newsletter (D9), introducing the participating cohorts and initial project results. The work promotes transfer of knowledge, intending to reach project partners, collaborating cohorts, stakeholders and the general public.

WP7 Management (Fig 1.2) secured the signing of Grant and Consortium Agreements and arranged for pre-financing distribution. We have overseen the development and submission of deliverables,

and appointed a Project Manager to assist the Coordinator in the coordination and day-to-day management, including communication financial and progress monitoring. Management tasks were temporarily covered by permanent staff at CREAL.

The Project Executive Committee (PEC), comprising a Project Coordinator, Project Manager and WP leaders, has convened twice during the reporting period.

WP leaders and contributing partners have held regularly to discuss progress in WP management teams.

The Senate is a discussion forum with one member per participating cohort which met after the first project meeting.

2. Core of the report

Project objectives, Work progress and achievements, and project management during the period

The Project Summary Pdf document contains the core of the report.

3. Deliverables and milestones tables

Deliverables (excluding the periodic and final reports)									
Del. no.	Deliverable name	WP no.	Lead beneficiary	Nature	Dissemination level	Delivery date from Annex I (proj month)	Delivered Yes/No	Actual / Forecast delivery date	Comments
1	Project Website - www.enrieco.org						Yes	08/07/2009	-
2	Web based project brochure with simple information						Yes	22/05/2009	-
3	Protocol for evaluation of environmental exposure information						Yes	12/12/2009	Delay due to large number of reviewers
4	Protocol for evaluation of health information						Yes	12/12/2009	Delay due to large number of reviewers
5	Protocol for evaluation of environmental exposure response information						Yes	12/12/2009	Delay due to large number of reviewers
6	Protocol for database building						Yes	12/12/2009	Completed in August, submission timed with other protocols
7	Protocols for indoor exposures and allergy and asthma case study						Yes	12/12/2009	Completed in July, submission timed with other protocols
8	Dissemination strategy						Yes	22/12/2009	Completed in October
9	Project newsletter no 1						Yes	22/12/2009	More appropriate time to report on project progress following completion of protocols

Milestones

Milestone no.	Milestone name	Work package no	Lead beneficiary	Delivery date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
1	First Workshop	6	UoC	31/07/2009	Yes	28/05/2009	Earlier timing to benefit the start of work strategies development.
2	Presentation and discussion of overall strategy and protocols at first workshop	1	CREAL	31/07/2009	Yes	28/05/2009	-
3	Periodic report year 1	7	CREAL	28/02/2010	Yes	29/04/2010	-

Attachments	ENRIECO_Periodic_Report1_2010.pdf, ENRIECO_summary_annex_2010.pdf
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