

The periodic report should cover the whole period since the start of the project, and clearly point out the progress achieved since the last report.

Total length: approximately 6 pages

Objectives of the report:

- Scientific: Demonstrate the scientific progress
- Administrative: Address administrative and /or management problems
- Financial: Show how the grant has been spent and justify the payments being made

1 General Information

File number:	047.016.009
Starting date of the project:	01.06.2004

Dutch project leader:	Prof. Cornelia M. van Duijn
Russian co-leader:	Prof. Tatiana I. Axenovich

2 Scientific Part

Overview of Research activities: Please specify which activities have been carried out.

(1) We have worked out a basic schema describing the software we aim to develop (June 2004). At the moment, we work on more detailed specification of different programs and program blocks. Two major blocks of the software are total-project data management block and single-user management/analysis blocks.

(2) We wrote a list of methodological, algorithmic and software problems we face in our research in Erasmus and Novosibirsk (August 2004 onwards). We intend to circulate this list between researchers from different countries, who work on similar topics. By doing this, we may understand better what are the most demanding problems in our type of studies and set the priorities of our project according to that.

(3) Several programs for total-project initial data management (data rearrangement and verification) are now at beta-stage and are tested extensively (July 2004 onwards) using real data from Erasmus and Novosibirsk projects.

(4) We are implementing a data generator (September 2004 onwards), which will allow simulation of the data obtained in a full-scale genetic research in a genetically isolated population. This generator will be used to test our package later. In particular, as a first step, we will test performance of different database management systems (PostgreSQL, MySQL, DBMS based on file system) on our data, for the total-project data base management.

(5) Two young Russian researchers have visited Erasmus for one month (August 2004). During this period they took courses in Genetic Epidemiology, met the members of Erasmus Lab and became familiar with the Erasmus research projects.

Scientific Results: What are the main results achieved and what is their scientific significance?

Include references to the list below.

(1) Several programs for total-project initial data management (data rearrangement and verification) are now at beta-stage and are tested extensively using real data from Erasmus and Novosibirsk projects. This software will be soon available on the Web.

(2) A draft of list of methodological, algorithmic and software problems we face in our research in Erasmus and Novosibirsk was generated. This will become available to more general public within soon.

Publications: which scientific papers, presentations or patents have resulted directly from this project?
Please note: papers which were published before the project started must not be included.

Please Summarise the scientific output (in numbers) below:

		Number of ... with co-authorship	Number of ... without co-authorship	Academic Publications
1	A			Publications in (international) refereed journals
	B			Publications in other (national) journals and other scientific output (abstracts in proceedings)
	C			Contribution to (chapters in) books
	D			Monograph
	E			Thesis (MSc, PhD)
				Professional Products
2	A			Patent
	B			Other professional products
				Other output
3	A			
				Conferences attended
4	A			