

Name of the public authority

Occupational Accidents Fund (OAF, more information in French or Dutch on <http://socialsecurity.fgov.be/faofat/>)

Name of the project

Datawarehouse Occupational Accidents

Acronym

AcciTrav

Project description and position within the institution's framework**Context of the project**

A. As from 2005, the OAF will interconnect different databases under its control. Those databases contain:

1. The data regarding occupational accidents provided for by the insurance companies, i.e. the data coming from the accident reports on the one hand, and the data concerning the compensation for accidents on the other hand.
The data concerning those accidents are e.g. some characteristics of the victims (social security identification number or SSIN, age, gender and professional category), of the company (branch of industry and number of workers), of the accident (causes, circumstances, consequences for the victim such as duration of the temporary incapacity and anticipated degree of permanent disability).
The data concerning the compensation from insurance companies relate to the payment of indemnities, medical expenses, etc.
The data of this type are coded. After processing and classification by the computer section of the OAF, some of them form variables for statistical purposes.
2. The data regarding the settlement of those accidents within the framework of the ratification by the OAF or the judgement by the labour court (rough administrative data: name of the victim, ratification date, degree of permanent disability, basic wage amount, consolidation date and need for prostheses).
3. The data regarding the benefits paid out by the OAF (rough administrative data: amounts of payments).
4. The data regarding the medical expenses paid out by the OAF (rough administrative data).

The reference unit of those integrated data bases will be the SSIN of the injured workers. The connection will initially involve the data base concerning the reported accidents and their compensation by insurance companies (1) and the data base concerning the settlement of those accidents (2).

- B. Since 2004, the OAF has been co-operating with the Crossroads Bank for Social Security (CBSS). Their agreement aims at putting one of the OAF's data bases (data concerning the accidents and their settlement by insurance companies) at the disposal of the CBSS with a view to their aggregation into the datawarehouse "labour market". The information regarding the datawarehouse "labour market" can be obtained on the CBSS site (<http://ksz-bcss.fgov.be>, see also this project's description on the AGORA website <http://www.belspo.be/belspo/fedra/proj.asp?l=en&COD=AG/DD/001>). At present the OAF is not in a position to forward its other administrative data. This will be made possible when the data bases are interconnected and when the necessary previous data inventory is completed.
- C. The content of the data base concerning occupational accidents and their settlement by insurance companies will soon be enriched in a significant way beginning with the accidents reported from the year 2005 as a result of the implementation of a new electronic flow between insurance companies and the OAF. This flow will include some data already appearing in the data described in point A.1 but also some more detailed data.

- D. For information: the OAF is examining now the possible enrichment of its data within the framework of a project of co-operation with the Federal Government Department "Employment, Labour and Social Dialogue". Yet this is outside the scope of the Agora project as considered here.

The project itself

This project for which a scientific support is required (via AGORA) aims at gathering more relevant information about the different aspects of the issue of occupational accidents, within the framework of the general mission of the OAF, which is to contribute actively to the optimal operation of the sector of occupational accidents. It should focus on two fields:

- ♦ The prevention of accidents through a better knowledge of their occurring modes and causes

For example, the statistical processing of the data intends to highlight the most hazardous sectors and the most frequent forms of serious accidents. Agreements can be made with the sectors involved in order to improve the prevention of accidents.

- ♦ The compensation for accidents
 - a. One of the purposes is to verify up to what point the implementation of the April 10, 1971 Occupational Accidents Act reaches its aims, namely the rehabilitation of the victims and, in particular their re-employment and the compensation for their economic loss. This can be achieved by analyzing the socio-economic course of the victims after the accident thanks to the enrichment of the OAF's data by those stored in the data warehouse dedicated to the labour market.
 - b. The other purpose is to have a statistical tool helping for decision-making whenever the legislation concerning occupational accidents has to be adapted. For example, the policy that should be implemented to facilitate the re-employment of injured persons can rest on the statistical data obtained by crossing the OAF's data with the data related to their socio-economic position stored in the data warehouse dedicated to the labour market.

With this end in view, the OAF wishes to dispose of high-quality statistical data covering the different aspects of occupational accidents. So the OAF thinks it necessary:

- to make the data stored in its interconnected bases practicable as statistical tools (for definitions, classifications, etc.);
- to examine if any new variables can be created from already available data with the prospect of getting some decision-making support;
- to examine which contributions from outside could enrich the data warehouse dedicated to occupational accidents (from the double point of view of prevention and compensation). The contribution of the "labour market" data warehouse, for example, could turn out to be most useful.

The OAF also wishes to put at the disposal of the public institutions, the scientists and the public the statistics in its possession for which it regularly receives requests. Consequently it is planning the creation of basic applications that would be accessible on its site.

Tasks to be accomplished

a) by the scientific team:

- ☐ Making a comparative survey of the good practices at the European level in the matter of data related to occupational accidents. A report on the matter is expected from the scientific team;
- ☐ Studying the European data in order to achieve the harmonization of the Belgian data with the European standard, especially according to the Eurostat methodology;
- ☐ Analyzing the data stored in the OAF's interconnected data bases;
- ☐ Giving a definition of the variables for statistical purposes that will be used within the data warehouse dedicated to occupational accidents;
- ☐ Combining data in order to create new variables, with added value, intended for the decision-making support necessary to the OAF;
- ☐ Gathering external data, for example related to the labour market and the working conditions in the companies;

- ☐ Working out the data warehouse dedicated to occupational accidents;
- ☐ Setting up documentation about the variables of the datawarehouse;
- ☐ Displaying significant relations between the data stored in the data warehouse in order to enrich the information within the framework of the missions of the OAF;
- ☐ Working out a basic application to be installed on the site of the OAF in order to meet the most common requirements from outside (target groups: journalists, students, prevention counsellors, etc.);
- ☐ Transferring to the OAF the know-how acquired during the realization of the project in order to enable this institution to acquire skill in respect of the product;

b) By the OAF

- ☐ As a preliminary to the scientific work,

Realizing the interconnection of data bases concerning occupational accidents and the inventory of the data to be stored in them

- ☐ During the realization of the project

1. Supplying the work force support necessary to have the content of the OAF's data bases and the legislation concerning occupational accidents understood, insofar as that is necessary
2. Implementing the data base for statistical purposes (the data warehouse dedicated to occupational accidents, starting from the project worked out by the scientific team)
3. Realizing the basic application aiming at the placement of the data at the disposal of the public, starting from the project worked out by the scientific team.

Expected final product

a) From the scientific team:

- ☐ A documentation concerning the existing variables and the new ones
- ☐ The concept of a data base for statistical purposes (data warehouse dedicated to occupational accidents) in order to provide the OAF with decision-making support
- ☐ The concept of a basic application, to be installed on the site of the OAF, making it possible to answer the frequently asked questions of the public
- ☐ A report describing the data warehouse dedicated to occupational accidents and the application aiming at putting the data at disposal on the site of the OAF
- ☐ A proposal for the enrichment of the data warehouse dedicated to occupational accidents through the supply of external data bases
- o A report containing a comparative study of good practices in Europe concerning comparable data in order to allow harmonisation and comparability

b) For the OAF:

- ☐ The realization of the data warehouse dedicated to occupational accidents
- ☐ The realization of the basic application by the computer department of OAF. This application can be used in the future as a model for the realization of other basic applications within the framework of the placement of statistical data at the disposal of the public

Valorisation of the final product

a) For the OAF:

The improvement of knowledge as regards accidents aims at helping to delineate suitable policies in the following fields:

- i) Prevention, via the technical committee for prevention and the management committee
- ii) Advisory competence, via the management committee, with regard to the legislation concerning the compensation for victims and their rehabilitation on the labour market

b) for the public:

- i) The scientific world will have access to the data warehouse dedicated to occupational accidents
- ii) the public will dispose of statistical data via the basic applications available on its site
- iii) the OAF and the scientific team will carry out an action of valorisation among the future users of the data warehouse dedicated to occupational accidents

Timing, planning of the activities and allocated budget

a) Timing of the activities

1 September 2005 – 28 February 2007

b) Planning of the activities

1) For the scientific team:

Sep. 2005 – Feb. 2007

2) For the OAF:

Dec. 2004 – Aug. 2005 (preparation of the placement at disposal of data bases interconnected through the SSIN – Social Security Identification Number)

Particular conditions

a) Suggestions for the composition of the steering committee:

In addition to the scientific team, the users group of the CBSS¹ and of the Federal Government Department "Employment, Labour and Social Dialogue"

b) Confidentiality provision:

The data stored in the data warehouse are not anonymous, so they must remain confidential.
A confidential contract will be made between the team and the OAF.

c) Possible presence of the team within the institution:

Once in a while when necessary.

d) Other requirements:

The scientific team must have an expertise in social statistics, in the matter of the Belgian social security and, as much as possible, in the field of occupational hazards. The data processing aspect of the project will fall within the competence of the computer section of the OAF.

¹ The user group of the Datawarehouse of the CBSS is composed of academics and civil servants who have an input on the statistical production derived from the Datawarehouse Labour Market.