

## Working Group 4 – October 30, 2017

### Objective 4

Aims :

- 1) Make database research on injury and accident (incidence, cases, real number)
- 2) Complete criteria (which kind of criteria, people injured? Tasks? Type of workers?)

It is on health related workers

Start with Eurostat database, to review the size of the problem

To assess the intervention (two sources: Eurostat but some limitations and weakness especially on reposted occupational diseases, scientific literature, and national databases from SACURIMA members).

Background: it is a real difficulty to obtain information for all the countries.

Specific indicators to assess intervention

Define which indicators will be relevant

We need the information from other WG not to overlap the work.

Eurostat data :

Foreign countries information ? How to get this data? National report from the general group has to be obtained. FAO and World Bank and OSHA may also have data.

Country report: little cases

What is bound in research: Make a general descriptive of the situation

Ambitious goal (but doable): to submit an article on descriptive in the end of next year

The 3 steps to get information:

- 1- Eurostat
- 2- National databases
- 3- Literature

Focus on agriculture, but be careful because sometimes it includes forestry, fishermen, hunting: Better to separate it. Look in Eurostat how they define "agriculture".

Eurostat is a good starting point. Data collection could maybe be a solution.

**Claudio and Frederika take the task of Eurostat, bring from the end of the year some data from Eurostat with the help of Eda and Aurélie.**

For national data, we need information on the country (politics, general descriptive data, but not harmonized data reported by all countries). We have to check how data are reported and how the diseases are defined and reported. How we can compare the data? There are not typical agricultural diseases. Not general studies, only small and very local studies.

Especially for agriculture occupational.

Fatalities registry, occupational registry (under reported and failed reported) in Australian

World bank (FAO) (our world data – information on fatal and non-fatal injuries in all countries in the world) and OSHA: **Gert will take care and check useful information**

ILO: no any database, more encyclopedia: **Paule will explore ILO database**

Italian group specialized for the forestry – Do we include forestry? Hunting? Fishery?

Forestry has to be kept, but not fishery. Ask to the all group if you keep forestry?

Developing an occupational diseases surveillance system:

- 1- Considerations, aims, design
- 2- Instrumentalisation
- 3- Analysis
- 4- Conclusions, recommendations, dissemination

What about suicide?

### **Paper n°1**

Title: *Trends of occupational accidents and diseases in agriculture in Europe 2000-2015*

7 occupational diseases reported and recognized: conclusions of the first paper

Duration: 15 years

Background article

Criteria: ages, occupation, work related diseases, criteria inclusion and exclusion

Define the wild size of the problem.

For accidents: source of accident is needed, for disease not recommend checking for recognized diseases but not compensated (based on insurance).

Can do a questionnaire?

Strength and weakness of reported data

Contribution from Susan Brumby

Step 1 - Making the situation

Step 2 - Report the situation (case report, papers longitudinal studies, specific studies, cross-sectional studies, any kind of research papers first review papers and meta-analysis (systematic review methodology)

Maybe include suicide? Leslie Landon? **Claudio will contact 3 persons** in China, India, Japan, and Susan (Australia) would like to contribute.

Step 3 - Quality of intervention (key aspect is to have a blind approach: “Before and after intervention”, “done and not done”)

Exploring the Cochrane database – check for agriculture.

### **Paper n°2**

Title: Occupational accidents and diseases in the published literature in Europe

### **Paper n°3**

Title: Quality of interventions addressed at reducing the burden of occupational diseases and accidents in Europe (2000-2018)

#### **Paper n°4**

Risk of suicide in agricultural workers and rural population: myth or real public health problem?

Information and interesting paper on search strings for PubMed:

Mattioli S, Gori D. Di Gregori et al. (2013) PubMed search strings for the study of agricultural workers' diseases. Am. J Ind. Med. 2013 Sep 6. Doi: 10.1002/ajim.22252.

Databases:

1. International clinical Trials Registry platform
2. Oid MEDLINE with Daily Update (1946 to current)
3. PubMed (1946 to current)
4. EMBASE (1947 to current)
5. Web of science (1945 to current)
6. CISDOC (1901 to 2012)

#### **Who do what? How are the tasks shared**

Gert: look on FAO, World Bank to give an some ideas and explore these databases

Eurostat: Claudio, Fredirika, Eda and Aurélie

ILO: Paule

Eda : create a dropbox file for WG 4

Katharina: check systematic review on agriculture (indictors, diseases, accidents, occupational, workers, ...) in Cochrane database.

Check to do a WG meeting separate from MC meeting. Skype meeting?

**For Dublin meeting:**

**We should have a concept of the first article.**