**So you want to calculate accidents, huh?**

The correct measurement unit of the **indicator 12.1** and its sub-indicators

12.1. Occupational accidents classified by:

12.1.1. Non-fatal occupational accidents

12.1.2. Fatal occupational accidents

should be:

“**absolute number per reporting unit**”.

Above referring to [**Amendment to the DCP on the indicator 12. Frequency of occupational accidents and occupational diseases**](http://87.192.2.62/Eforwood/LinkClick.aspx?fileticket=nc4YjHiGpZ8%3d&tabid=229&mid=1208) **as of 20th March 2009, by Irina Prokofieva:**

The former indicator measurement unit of “per 1 000 employees” has been abandoned. It is instead in “**absolute number per reporting unit**”. Please compare also Irina’s calculation example in case statistics are providing this information as per 1 000 employees (see amendment, at the portal).

If this is not the case, please consult to Marcus’ Excel calculation for those cases ([accidents\_example\_corrected and commented.xls](http://87.192.2.62/Eforwood/LinkClick.aspx?fileticket=fPDipCoMUQI%3d&tabid=229&mid=1208)). The descriptive calculation is as such:

Option 1 (simple):

*(non-fatal) accidents per FTE per process and reporting = (non-fatal) total accidents / total FTE employment \* employment per process and reporting unit*

Option 2 (productivity-based):

1. Time required per process [h] = volume processed [m3] / productivity [m3/h]
2. Employment share per process [%] = Time required per process [h] \* 100 / Sum of Time required for all process [h]
3. (non-fatal) accidents per process = (non-fatal) absolute number of accidents \* Employment share per process [%] / 100
4. *(non-fatal) accidents per FTE per process and reporting unit = Accidents per process / Total volume per process*

Option 3 (Irina’s, simple just as Option 1):

*(non-fatal) accidents per FTE per process and reporting = {total (non-fatal) accidents / total FTE employment} / { volume per process / employment per process}*