



EPPO Training Workshop

on ISO Standard 17025 (2017) and PM 7/98 (4)

On-line event, 2020-12-14/15

Wrap up of activity 1: Laboratories and equipment

During the session, participants had to identify the risks related to the facilities, equipment, and activities. They had to rate on a scale from 1 to 5:

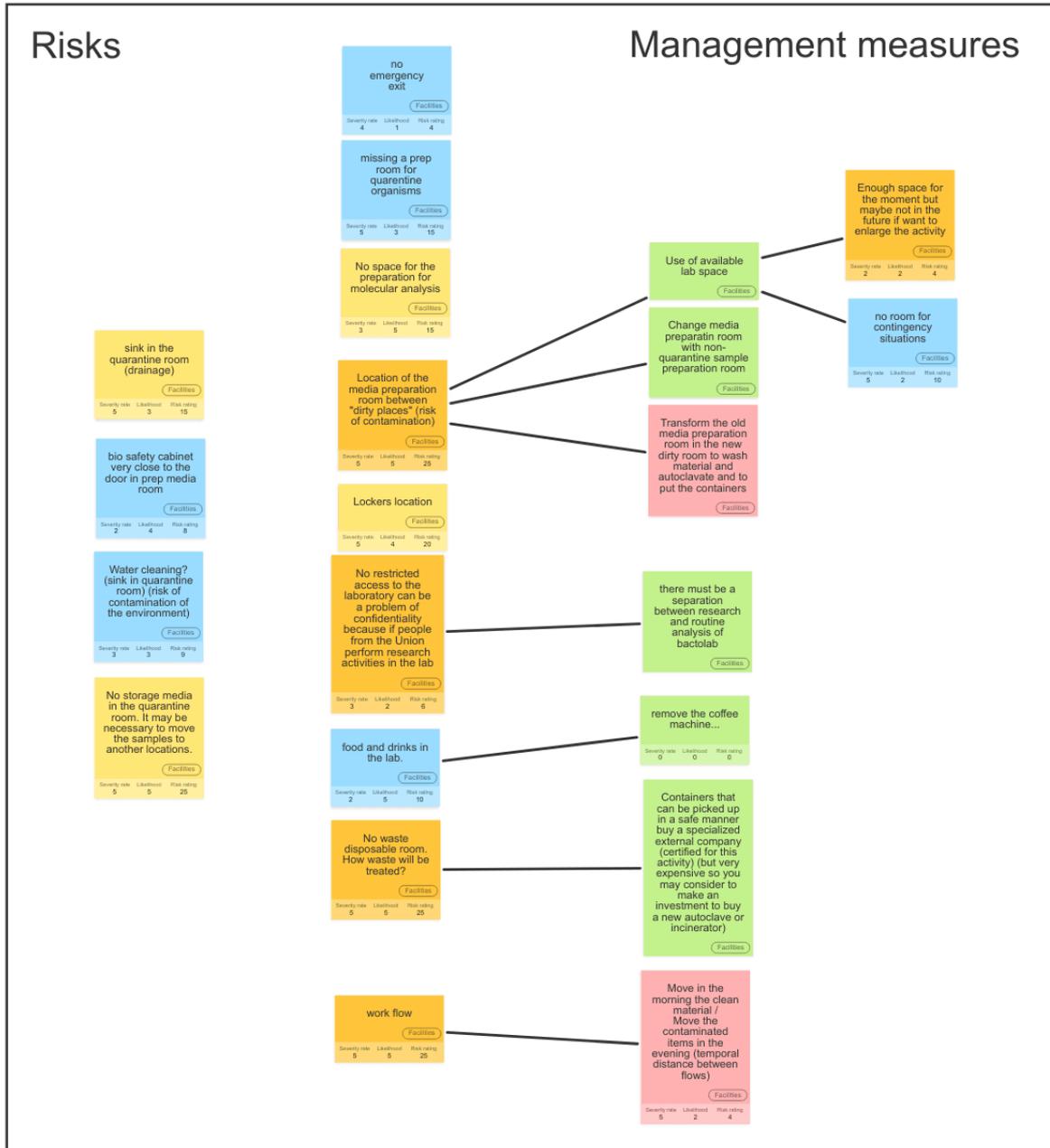
- 1) the severity, which would depend on the category (facilities, equipment or activities).
For instance, for the facilities it was suggested:
 - a. 1- very low = no impact on the testing activities
 - b. 2- low = low impact in the testing activities (*ie*, a delay <2 days in the final results)
 - c. 3- medium = some changes in the work environment provoking ambiguous results (i.e. contamination in the blanks)
 - d. 4- high = severe changes in the laboratory work environment leading to false results
 - e. 5- very high = severe changes in the whole laboratory work environment and external environment leading contaminations of the crops in the vicinity of the laboratory and economic impact
- 2) the likelihood (frequency)
 - a. 1- very low - 1 time per year
 - b. 2- low- 1 time every 6 months
 - c. 3- medium - 1 time per month
 - d. 4- high - 1 time per week
 - e. 5- very high - everyday

With the attribute values, the participants were able to rate the different risks identified. To raise the participants for the awareness on risk-based thinking, they had to choose the risks they wanted to manage. Risks rated as equal or above 20, were considered and participants had to identify management measures.

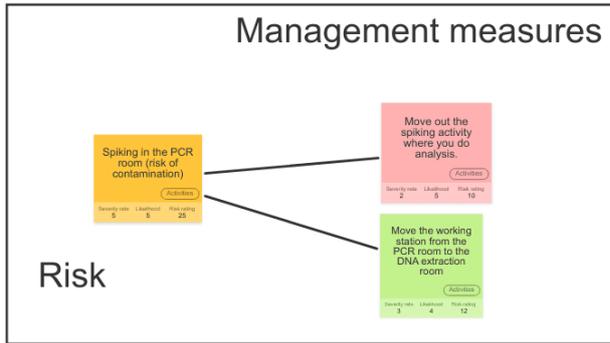
The risks and management measures identified in this activity are listed in the wrap up document (see below). In some situations, the management measures led to the decrease of the risk rating but the laboratory ran into new risks which had to be again evaluated. In other situations, the management measures completely removed the risk. During the discussions on the less severe risks, some solutions were identified before the risk analysis step. Comparing the values attributed to severity and likelihood, highlighted the need to involve as many collaborators as possible to achieve a consensus. Risk identification, evaluation and treatment depend very much on personal perception, the objectives of the laboratory, scope of activity, and others factors. It was noted that it is important to be proactive and anticipate new risks.

The Klaxoon tool was used to share ideas. Below is the summary of all the risks and management measures identified by the two groups that participate to this activity

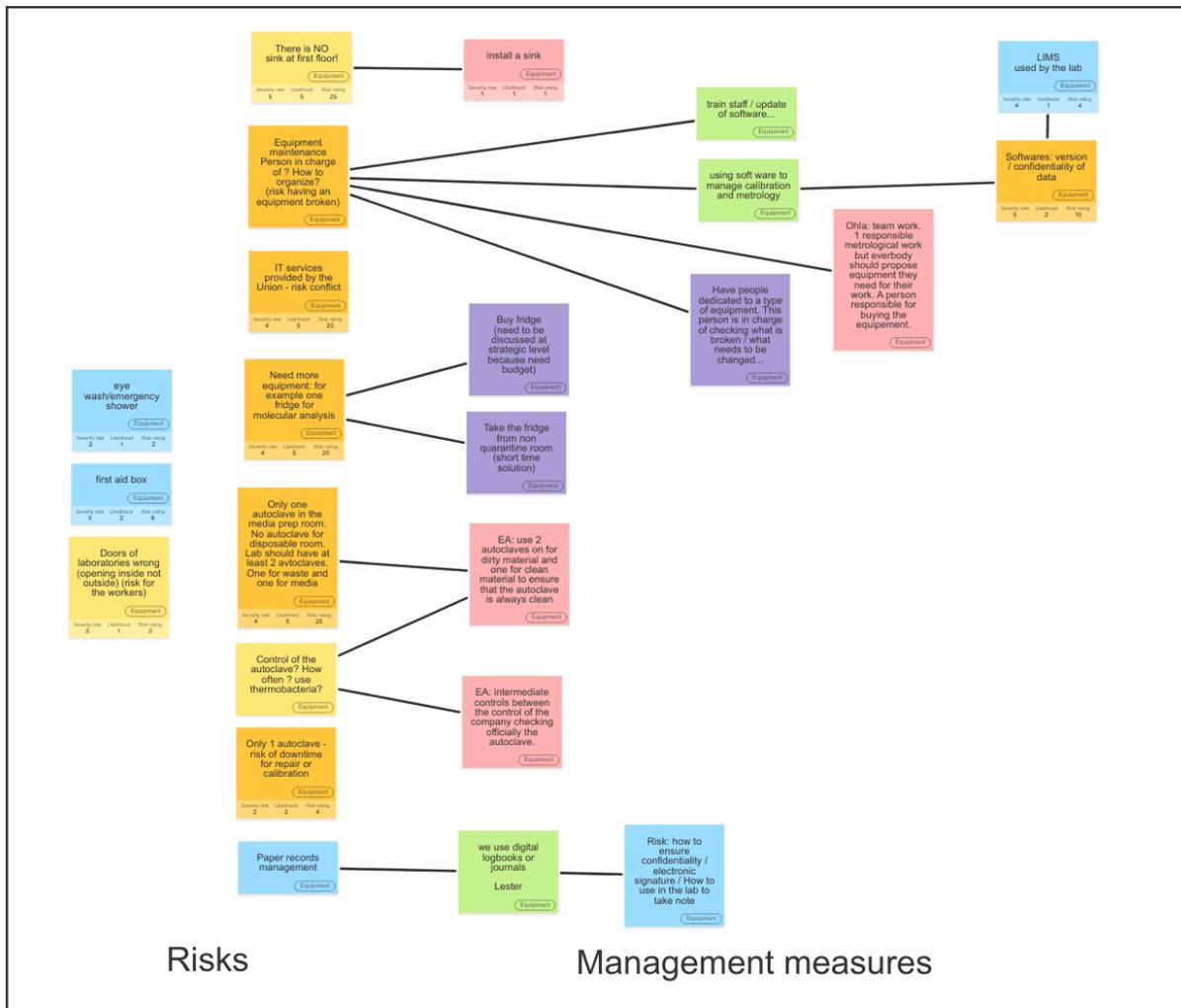
FACILITIES



ACTIVITIES



EQUIPMENT



The following table can be used to identify risks and management measures in word or excel.

Facilities	Risk	Severity rate	Likelihood	Risk rating	Control to be in place	Severity rate	Likelihood	Risk rating
Access (shared facility – impartiality)	Lab facility will be used by the national Union of potato seeds growers research activities	4	3	12	Lab facilities only for testing. Restricted access.	4	1	4
Toilets	Lab persons go out the lab without removing lab coat and shoes: no consideration for environmental contaminations	5	1	5				
Lockers	Contaminated lab coats and shoes exposed in the main corridor; potential for environmental contamination	5	4	20				
Drainage	Environmental contaminations due to unavailable decontamination of sewage from the quarantine rooms	5	5	25				
Waste disposal	Lab environmental contamination because waste decontamination is performed in the available autoclave that is in the media preparation room	5	5	25				
Distribution of rooms/activities	Lab environmental contamination: media preparation close to quarantine room							

Same tables can be done for the equipment and activities.