## Risk assessment matrix

The risk assessment is according to the general procedure for risk assessment at UiO, and we are using a 5x5 risk assessment matrix.

Description of likelihood:

|  |  |
| --- | --- |
| **Likelihood** | **Description** (This depends on what is being assessed, but these are examples): |
| 1 | Rare | < 1x pr 50 yrs. or rarer |
| 2 | Unlikely  | < 1x per 10 yrs. or rarer |
| 3 | Likely  | < 1x per yr. or rarer |
| 4 | Highly likely  |  1x per month or more often |
| 5 | Near certainty  | Occurs weekly |

## Description of consequence:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Consequence:** | **Human:** | **Environment:** | **Equipment and economy:** | **Reputation:** |
| 1 | Minimal | Injury that requires first aid | Minimal damage and short restitution | Activity stop < 1 day | Little influence on credibility and respect. |
| 2 | Minor | Injury that requires medical treatment | Minor damage and short restitution. | Activity stop < 1 week | Negative influence on credibility and respect. |
| 3 | Major | Serious personal injury | Minor damage and long restitution. | Activity stop < i month | Reduced credibility and respect. |
| 4 | Serious | Serious personal injury, possible invalidity. | Long term damage, long restitution. | Activity stop ½ - 1 year. | Severely reduced credibility and respect. |
| 5 | Catastrophic | Death | Extremely long, not reversible damage. | Activity stop i more than 1 year. | Permanently reduced credibility and respect. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Propability** | 5 | 1\*5 | 2\*5 | 3\*5 | 4\*5 | 5\*5 |
| 4 | 1\*4 | 2\*4 | 3\*4 | 4\*4 | 5\*4 |
| 3 | 1\*3 | 2\*3 | 3\*3 | 4\*3 | 5\*3 |
| 2 | 1\*2 | 2\*2 | 3\*2 | 4\*2 | 5\*2 |
| 1 | 1\*1 | 2\*1 | 3\*1 | 4\*1 | 5\*1 |
|  | 1 | 2 | 3 | 4 | 5 |
|  | **Consequence** |

Conclusion:

|  |  |
| --- | --- |
| **Colour** | **Description** |
| Red | 10-25 | Unacceptable risk. Actions must be performed to reduce risk. |
| Yellow | 4-9 | Assessment area. The need for further actions to reduce riks should be assessed. |
| Green | 1-4 | Acceptable risk. Actions can be made. |

**Hazard symbols (CLP/GHS)**

|  |  |
| --- | --- |
| GHS01: Explosive |  |
| GHS02: Flammable |  |
| GHS03: Oxidizing |  |
| GHS04: Compressed Gas |  |
| GHS05: Corrosive |  |
| GHS06: Toxic |  |
| GHS07: Harmful |  |
| GHS08: Health hazard |  |
| GHS09: Environmental hazard |  |



Biological hazard Ionizing radiation

**Safety equipment pictograms**

   

 Type of glove E.g.: Use of fume hood