Damocles **Risk Assessor**
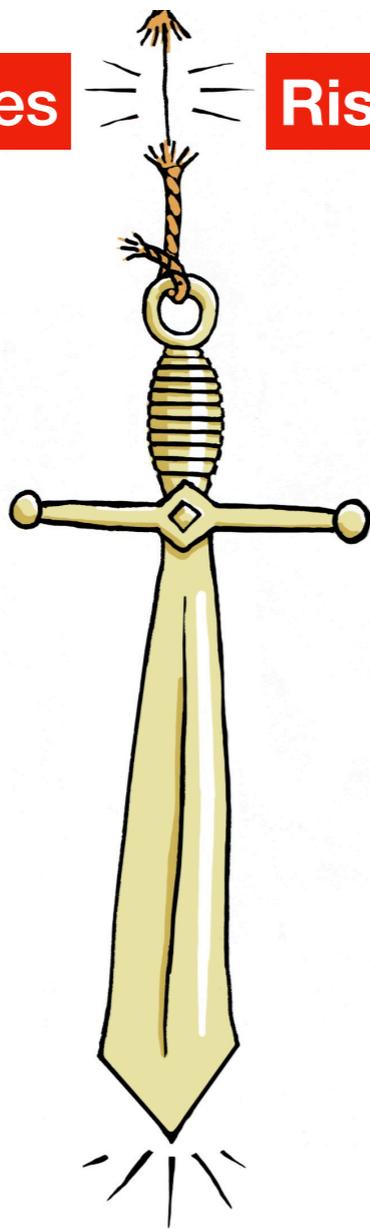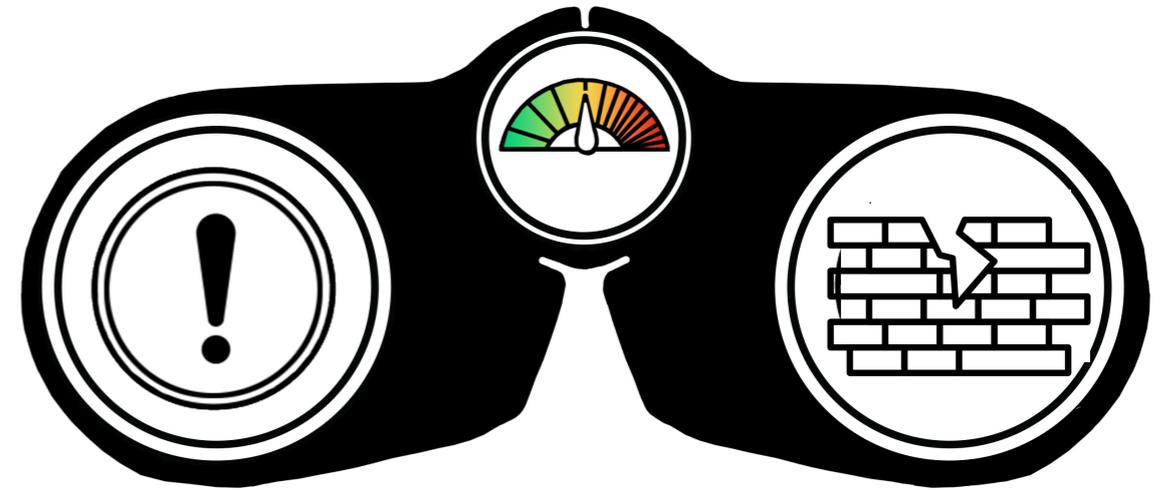
Risks arise at the interface of Threats (Hazards) & Vulnerabilities

Assess risk to the things you care about through the lens of your significant hazards

Select a hazard category (Ref NFPA 1600) - then scroll down to select a hazard to consider.

	Geological	4	⋮
	Meteorological	9	⋮
	Biological	2	⋮

NFPA 1600

Standard on Continuity, Emergency, and Crisis Management

Hazard Categories

Select a hazard category (Ref NFPA 1600) –
then scroll down to select a hazard to consider.

Meteorological	9	⋮
Biological	2	⋮
Human Caused	9	⋮
Technological	4	⋮
Economic/Financial	3	⋮
Strategic	7	⋮
Added Category	0	⋮

+

NEXT

Add New Hazard Category

NAME OF HAZARD CATEGORY

Added Category

Attribute level of significance to each relevant hazard

0   0   10

ADD

CANCEL

Select Hazard

Meteorological

When attributing a level of significance to the "Hazard", consider

Hazard Significance 9 ⌄

Drought
0 ———————————⬤———— 10
8

Extreme temperatures
0 ——————————————⬤ 10
10

Famine
0 ———⬤——————————— 10
4

Flood, flash flood, seiche, tidal surge
0 —————⬤————————— 10
5

Add New Hazard

NAME OF HAZARD

New Hazard

Attribute level of significance to each relevant type of hazard

0 ⬤————————————— 10
0

ADD

CANCEL

Select Hazard

Meteorological

When attributing a level of significance to the "Hazard", consider

Hazard Significance   **9** ∨

Drought
0 ——————————●(8)————— 10

Extreme temperatures
0 ——————————————●(10) 10

Famine
0 ————●(4)———————————— 10

Flood, flash flood, seiche, tidal surge
0 ——————●(5)——————————— 10

Past recurrence intervals
how many events have occurred in your context in the last 100 years

Future likelihood of occurrence
is frequency increasing

Speed of onset
how quickly might it be upon us

Magnitude
how big will it be

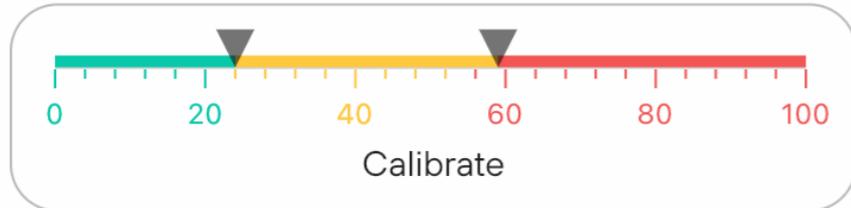**Duration**
how long will it stay

Timing
does significance vary at different times of the day/month/year

Intensity
how much energy is released

Potential area of coverage
extent of spatial impact
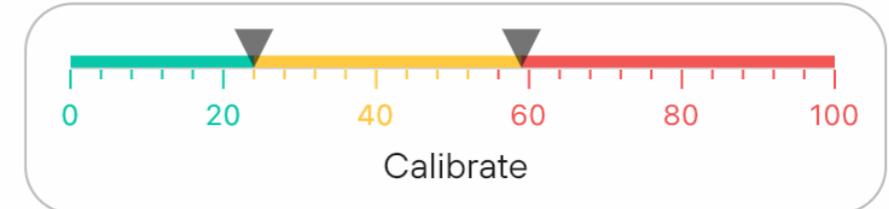
Perception
level of fear or dread invoked

Calibrate

0   20   40   60   80   100

⚠ Earthquake   ⋮

0   ⬤0   10

Note   📷

🏚 How Vulnerable Is This Care-About?

Low   Medium   High

⬤   ○   ○   ○   ○   ○   ○   ○   ○   ○   ○
0   1   2   3   4   5   6   7   8   9   10

0   10
BEFORE IMPACT RISK

NEXT   🏠 📄 ⓘ ➡

Toggle between BEFORE and AFTER

Plan on reducing your vulnerability and building your resilience BEFORE impact

- and restoring operability AFTER impact

Calibrate

0   20   40   60   80   100

⚠ Earthquake   ⋮

0   ⬤0   10

Note   📷

🏛 How Impacted Is This Care-About?

Low   Medium   High

⬤   ○   ○   ○   ○   ○   ○   ○   ○   ○   ○
0   1   2   3   4   5   6   7   8   9   10

0   10
AFTER IMPACT RISK

Cover prevention, preparedness, response, and recovery

NEXT   🏠 📄 ⓘ ➡

Reference: Risk Algorithm

Before Impact Risk - the interface between hazards and vulnerability of thing(s) we care about.
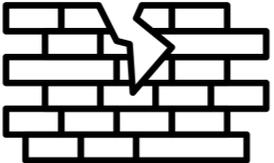**After Impact Risk -** the interface between hazard events and impact on thing(s) we care about.
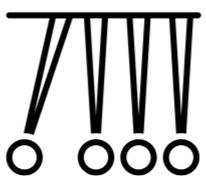
Hazard

Significance

(a)

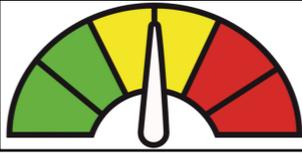### Before Impact

Vulnerability

(b)

After Impact

Impact

(c)

If (a) x (b) is greater than or equal to 1
or less than or equal to 24
then Risk Gauge is Green

If (a) x (b) is greater than or equal to 25
or less than or equal to 59
then Risk Gauge is Yellow

If (a) x (b) is greater than or equal to 60
or less than or equal to 100
then Risk Gauge is Red

If (a) x (c) is greater than or equal to 1
or less than or equal to 24
then Risk Gauge is Green
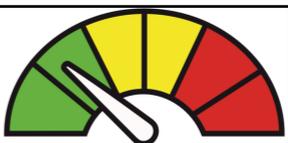
If (a) x (c) is greater than or equal to 25
or less than or equal to 59
then Risk Gauge is Yellow
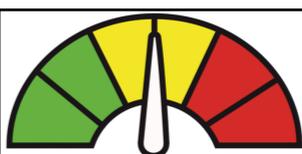
If (a) x (c) is greater than or equal to 60
or less than or equal to 100
then Risk Gauge is Red
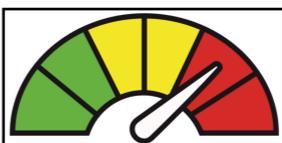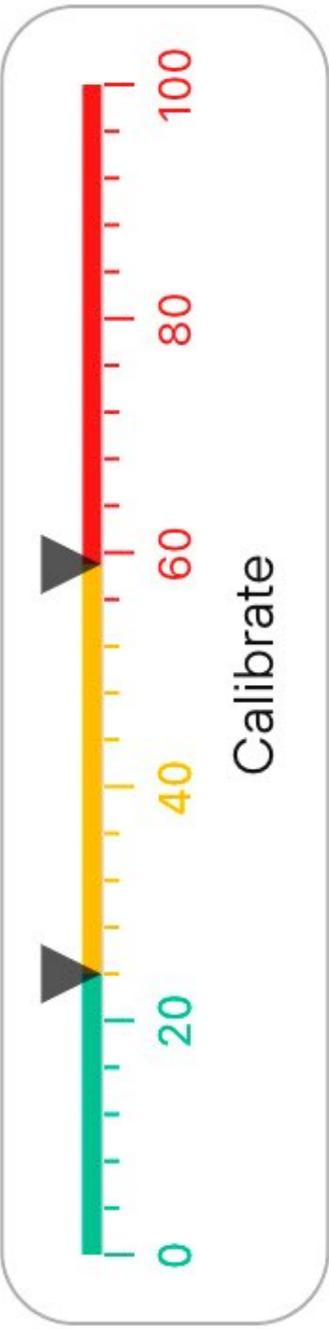
Calibrate

Calibrate for Context
Users can adjust the risk thresholds to reflect the values of their context.

Reference: Vulnerability is a function of many things. It is about the characteristics and features of the thing(s) you care about, and the dependencies and interdependencies associated with it (them), which make it (them) more resilient, or more adaptable, or more fragile.

In a nutshell, vulnerability is about the "**propensity or predisposition to be adversely affected**" *[1]*. It may be summarised as "a measure of the extent to which 'something you care about' such as a community, structure, service or geographical area is likely to be damaged or disrupted (on account of its nature or location) by the impact of a particular event" [2]. Vulnerability encompasses a variety of concepts and elements including sensitivity or susceptibility to harm and lack of capacity to cope and adjust.

Adaptive capacity is the "ability of systems, institutions, humans, and other organisms to adjust to potential damage, to take advantage of opportunities, or to respond to consequences" *[3]*.

[SOURCE 1: ISO 14091 Adaptation to climate change – Guidelines on vulnerability, impacts and risk assessment].

[SOURCE 2: Glossary of Environment Statistics, Studies in Methods, Series F, No. 67, The Organisation for Economic Co-operation and Development].

[SOURCE 3: ISO 14090:2019 Adaptation to climate change].

If the decision (of what action to take) is complex, consider using our
OughtWe app →
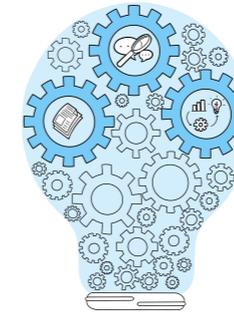
OughtWe
decision maker

HEADER

DESCRIPTION

📷

📷

📷

WHAT NEEDS TO BE DONE?

WHAT IS NEEDED TO DO IT?

TRACK
Is this work progressing in a way that is
likely to achieve what is required? ✓ ✗

BUDGET
Is this work progressing within the
amount you have available to spend? ✓ ✗

TIME
Is this work progressing within the
schedule you have agreed to meet? ✓ ✗

The structure of the plan focuses on the achievement of objectives.

Resources used are "as many as necessary - and as few as possible".

Ongoing monitoring and evaluation ensure the plan is on track, on budget and on time.

HAZARDS

◉ All Hazards

○ Selected Hazards ›

RISK LEVLS

◉ All Risk Levels

○ Selected Risk Levels ›

PLANS

◉ All Plans

○ Selected Plans ›

MONITORING

◉ On/Off Track

◉ On/Off Budget

◉ On/Off Time

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Hazards from NFPA 1600 Standard on Continuity, Emergency, and Crisis Management	Your selected hazards reflecting your context	All hazards approach
'Care-Abouts' People, Premises Processes, Providers	Your selected 'Care-Abouts' reflecting your context	'Care-Abouts' People, Premises Processes, Providers, Profile