



IN-PREP

Introducing Scenario Building Engine Tool

A brief guide before the hands on experience

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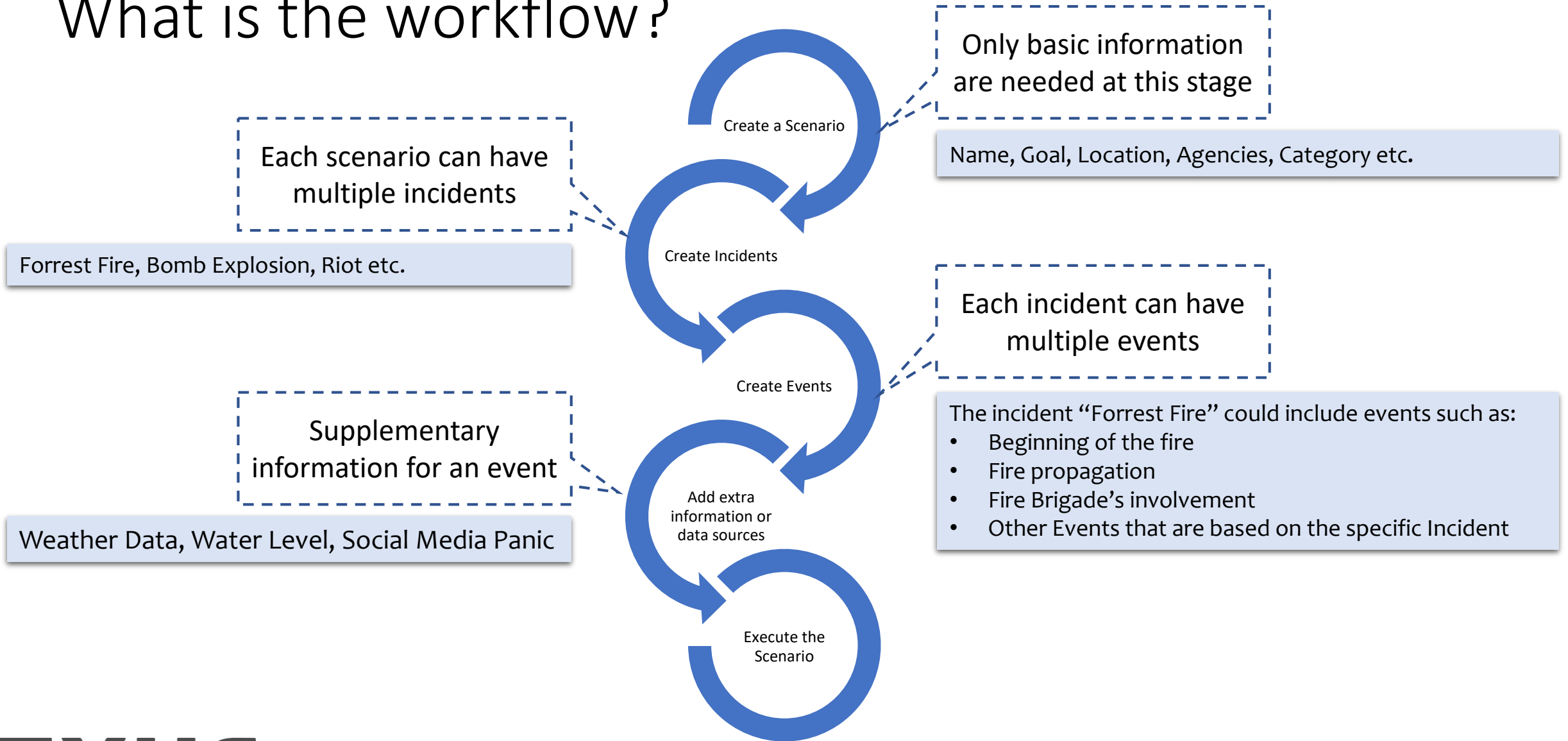
What is the Scenario Building Engine?

It's a Software tool for digitizing the paperwork for the training of preparedness actions (i.e. hazards and incidents), through an easy-to-use approach.

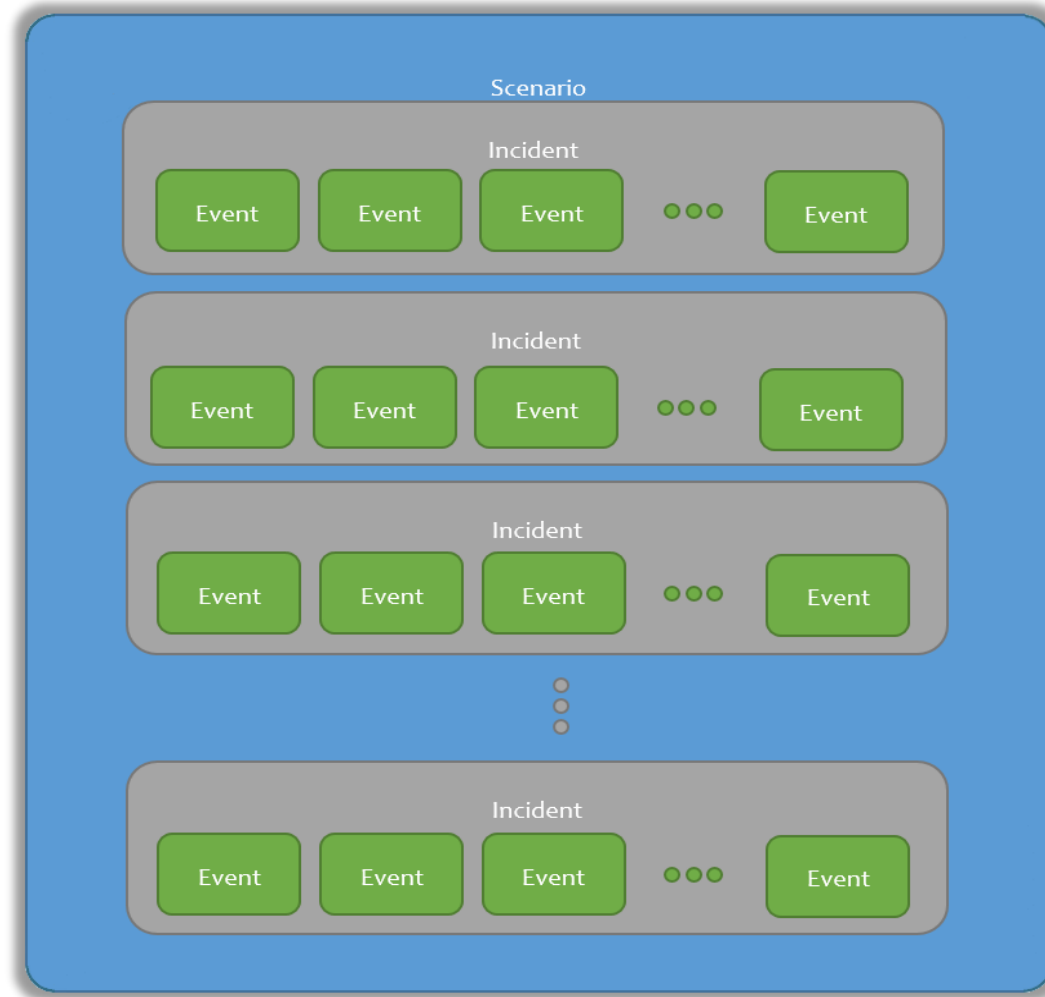
A trainer, can create a storyline that fully describes the disaster phenomena.

The tool provides key functionalities, such as the creation and modification of a scenario script but also the data exchange with other tools.

What is the workflow?

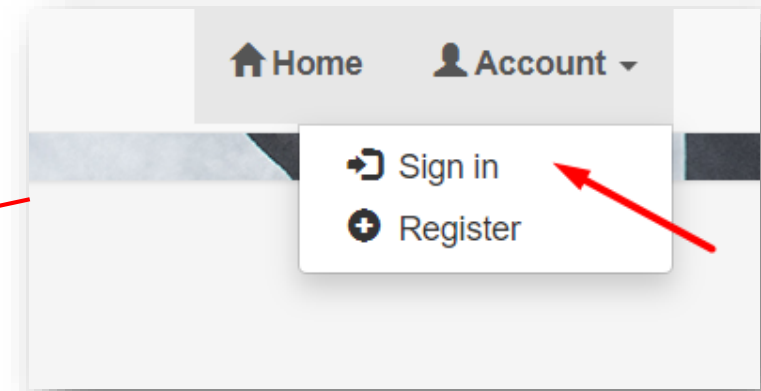
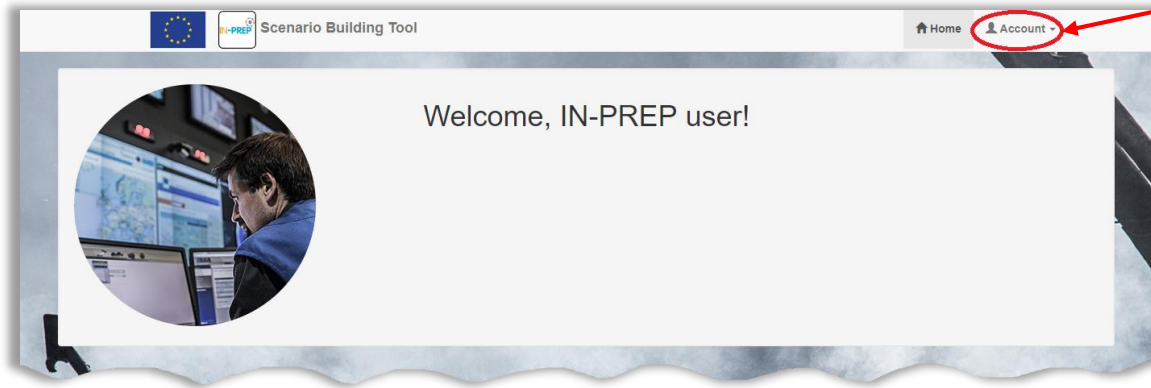


Scenario Block Diagram



Step 1. Sign In/Register

Visit the following link: <http://in-pretesting.exus.co.uk/>



In the front screen press account, sign in.

Sign in

Sign in

Username

kampentx

Password

.....

☒ Remember me

Sign in

Did you forget your password?

Use the following Credentials:
Username: kampettx or kampettx2
Password: SRIJ2019

Step 2. Create the scenario [1/2]

Create a new Scenario

Name

Scenario Goal

Involved Agencies

Add Agency

Add

Location

Involved Countries

Scenario Category

Add Scenario Category

Add

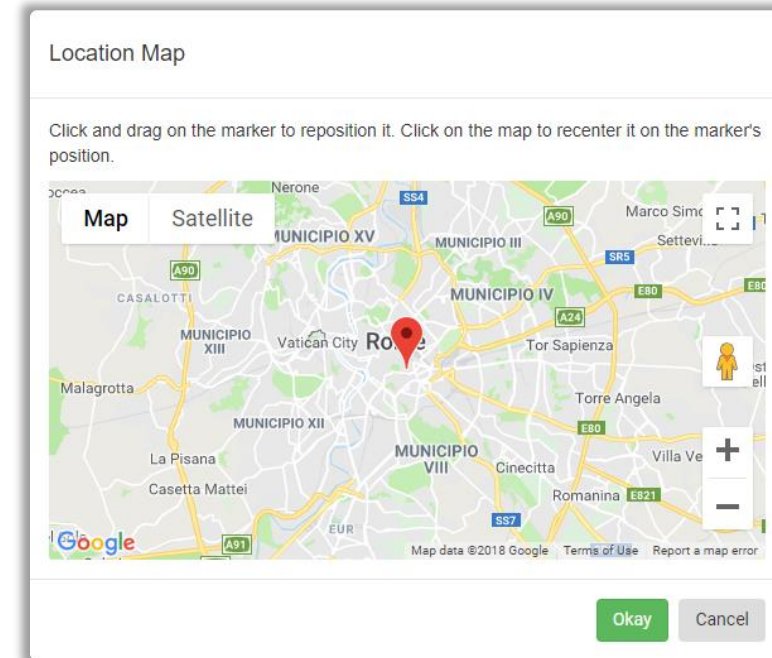
Territorial Category

Impact Category

Comments

Cancel Save

Select the main location of the scenario



Step 2. Create the scenario [2/2]

Create a new Scenario

Name

Hazmat release from tank and evacuation in Spoleto - 01

Scenario Goal

Evacuation by rescuers and medical treatment provided by a hospital nearby.

Involved Agencies

Fire Brigade

Police

Medical Assistants

Municipal

Add Agency

Add

Location

Rotatoria P.Ta Loreto, 06049 Spoleto PG, Italy

Involved Countries

Italy

Scenario Category

Hazmat leakage

Add Scenario Category

Add

Territorial Category

Local

Impact Category

Human (Health - Psychology - panic)

Environmental (pollution - disaster of field etc.)

Comments

Substance released:Chlorine

Cancel

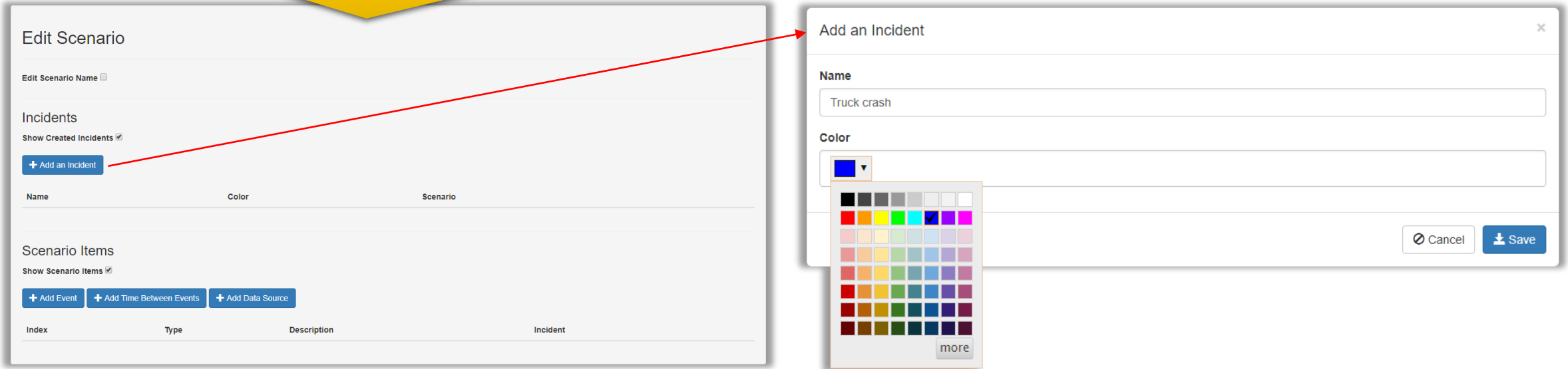
Save

Name	A unique scenario identifier	
Goal	A description of what the trainer wants to achieve, what kind of training methods shall be followed and any other relative information.	
Involved Agencies – Add Agency	The trainer is able to select the agencies that will participate in the new scenario. There is an option for inserting additional ones.	
Location	With the use of a map tool the trainer is able to select the location where the scenario will take place.	
Involved Countries	The trainer can select the countries that will participate in the exercise	
Scenario Category	In this field the user is able to select the basic category of the scenario. A predefined set is available with an extra option for adding new categories	
Territorial Category	Local	This is an option in the case of a scenario that involves only a town or city or a small area without the likelihood of extending beyond that.
	Regional	This option can cover a whole region or some regions but it will not be broad enough to be a national event.
	National	Here the Scenario covers a whole nation without extension over its borders.
	International	In this case the scenario field covers more than one nation. Not necessarily cover the whole area of a nation but this is in case of cross border events that involve two or more countries
Impact Category	This option refers to the impact that the events of the new scenario will provoke.	
Comments	Any kind of comments regarding the new scenario can be entered here.	

This is the example from the Scenario in Italy

Step 3. Add Incidents

After the creation of a scenario, the application displays the “Edit Scenario” window, which provides the ability to create new incidents, events, time between events and data sources



Step 4. Add Events for each incident [1/2]

An event can be instant or last long period of time. E.g. An explosion in the beginning of a fire that lasts for 3 hours. Every event is unique and cannot be used more than once

Edit Scenario

Edit Scenario Name

Incidents

Show Created Incidents ☒

+ Add an Incident

Name	Color	Scenario
------	-------	----------

Scenario Items

Show Scenario Items ☒

+ Add Event + Add Time Between Events + Add Data Source

Index	Type	Description	Incident
-------	------	-------------	----------

Incident

A crash between two heavy vehicles

Trainer selects the Incident that the current Event will belong to

Edit the selected Event

Incident

A crash between two heavy vehicles

Category

Vehicle crash

Add Event Category Add

Event Involved Agencies

Police Medical Assistants

Involved Countries

Italy

Event Description

This refers to a crash between two heavy vehicles, on of them is a tank track

Location Description

Spoletto

Location Address

Via Goffredo Mameli, 2, 06049 Spoleto PG, Italy

Time Occurred

2018-07-19 10:00

Time Duration of Event

0 2

Index

2

Cancel Save

Step 4. Add Events for each incident [2/2]

Edit the selected Event

Incident

A crash between two heavy vehicles

Category

Vehicle crash

Add Event Category

Add

Event Involved Agencies

Police Medical Assistants

Involved Countries

Italy

Event Description

This refers to a crash between two heavy vehicles, on of them is a tank track

Location Description

Spoletto

Location Address

Via Goffredo Mameli, 2, 06049 Spoleto PG, Italy

Time Occurred

2018-07-19 10:00

Time Duration of Event

02

Sec.

Min.

Index

2

Cancel

Save

Order across all items of the scenario

Tip: You can edit this later

Category – Add Event Category	A generalized category that describes the nature of the event, a new category can be added instantly by the trainer.
Event Involved Agencies	The agencies that were inserted in the <u>Scenario creation</u>
Involved Countries	The countries that have been inserted in the <u>Scenario creation</u>
Event Description	A description of the event that could include extra information
Location Description	This field can be filled with additional information like an address or a description of the location
Location Address	Here is the same functionality with the <u>Location selection</u> in scenario creation. The only difference is that in case of multiple events, you can represent them in different locations. In that way the trainer will be able to see where the other events occur.
Time Occurred	The date and time that the event occurs
Time Duration of Event	The time duration is the time over which the event takes place in the SBT. For Events that last more than a few minutes, it has to be split in two. One for the Initiation of the event and one for its completion
Index	This field refers to the <u>position</u> of the current component (event in this case) in the whole scenario script

Tip: Split events to be more precise.

The incident “Forrest Fire” has been split to:

- Beginning of the fire [5 min]
- Fire propagation [40 min]
- Fire Brigade’s involvement [15 min]
- Fire extinguished [15 sec]-> It’s a message

Step 5. Add data (if any)

Edit Scenario

Edit Scenario Name

Incidents

Show Created Incidents

+ Add an Incident

Name	Color	Scenario
------	-------	----------

Scenario Items

Show Scenario Items

+ Add Event + Add Time Between Events + Add Data Source

Index	Type	Description	Incident
-------	------	-------------	----------

Each Selection has different fields

Create a Data Source

Type

WEATHER DATA

Incident

A crash between two heavy vehicles

Index

14

Location

Via Loreto, 4, 06049 Spoleto PG, Italy

Predefine fields

Temperature in °C

0

Wind speed in km/h

0

Direction

0

Visibility

0

Humidity

0

Weather description

Cancel Save

Create a Data Source

Type

WEATHER DATA
GAS DISPERSION (of known or unknown materials in the atmosphere)
RISK MAP (Of Hazmat)
TRAFFIC DATA
VEHICLE AVAILABILITY DATA
EVACUATION
IMPACT ASSESSMENT
TELECOMMUNICATION NETWORK
ENERGY GRID
FLOOD
WATER LEVEL
FLOOD EVACUATION FACTORS

Tip: These are needed for the Kampen Scenario

Cancel Save

Step 6. Add info (if any)

Edit Scenario

← Back Edit

Incidents

Show Created Incidents ✓

+ Add an Incident

Name	Color
test 2	<div></div>

Step 6. Add info (if any)

Scenario Items

Show Scenario Items ✓

+ Add Event + Add Time Between Events + Add Data Source + Add Info

Create an Info

Type

MESSAGE
SOCIAL_MEDIA
MASS_MEDIA
HOSPITALISATION

This field is required.

Index

11

Time Occurred

Cancel Save

Each Selection has different fields

Create an Info

Type

SOCIAL_MEDIA

Incident

test 2

Index

11

Social Media Type

Twitter

User

@anonymous

Post

Government is letting people dying!!! Let's meet in the Square at 6 o'clock to take the decisions in our hands!!!

Image

Click to select file to upload

Time Occurred

2019-10-09 00:03

Cancel Save

Step 7. Set the Time-plan

Scenario Items

Show Scenario Items

+ Add Event

+ Add Time Between Events

+ Add Data Source

+ Add Info

Index	Type	Description	Incident	Time - Date	
1	Time between events	00:00:05			<div>EditDelete</div>
2	Info	SOCIAL_MEDIA		15:15:00 - 05-06-2019	<div>EditDelete</div>
3	Time between events	00:01:05			<div>EditDelete</div>
4	Info	HOSPITALISATION		11:54:01 - 04-06-2019	<div>EditDelete</div>
5	Time between events	00:00:05			<div>EditDelete</div>
6	Info	MESSAGE		12:55:00 - 05-06-2019	<div>EditDelete</div>
7	Time between events	00:00:05			<div>EditDelete</div>
8	Info	MASS_MEDIA		21:53:20 - 04-06-2019	<div>EditDelete</div>
9	Time between events	00:00:05			<div>EditDelete</div>

Add time between events

Minutes:Seconds (MM:SS)

0

:

0

Index

11

Cancel

Save

Tip: Check before the index number (where you want to add this interval)

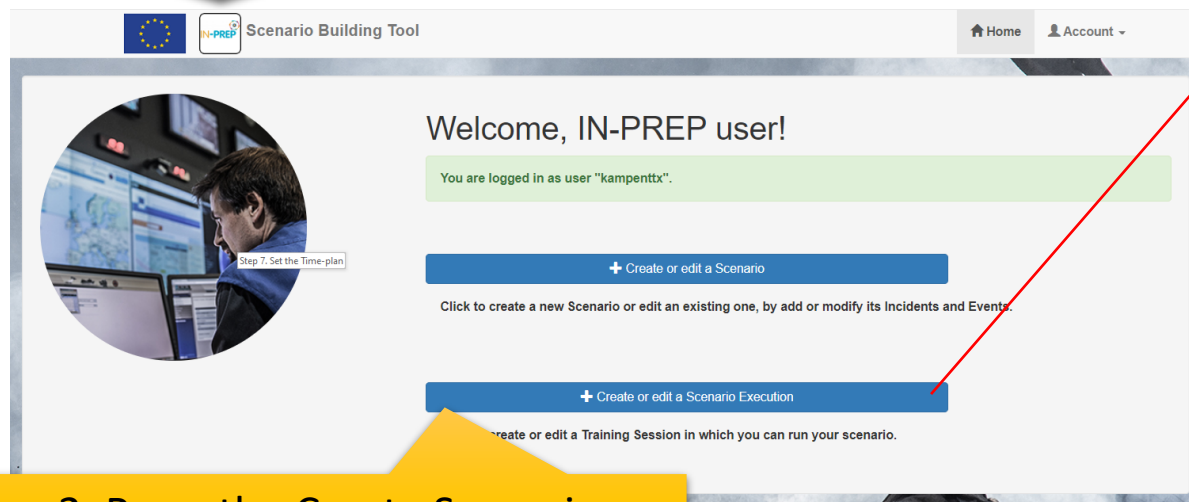
Tip: Add at least 5 sec interval between each Event

Tip: Double check that all items have the correct duration and are logic. Press edit if you want to change something

Step 8. Execute the Scenario [1/3]

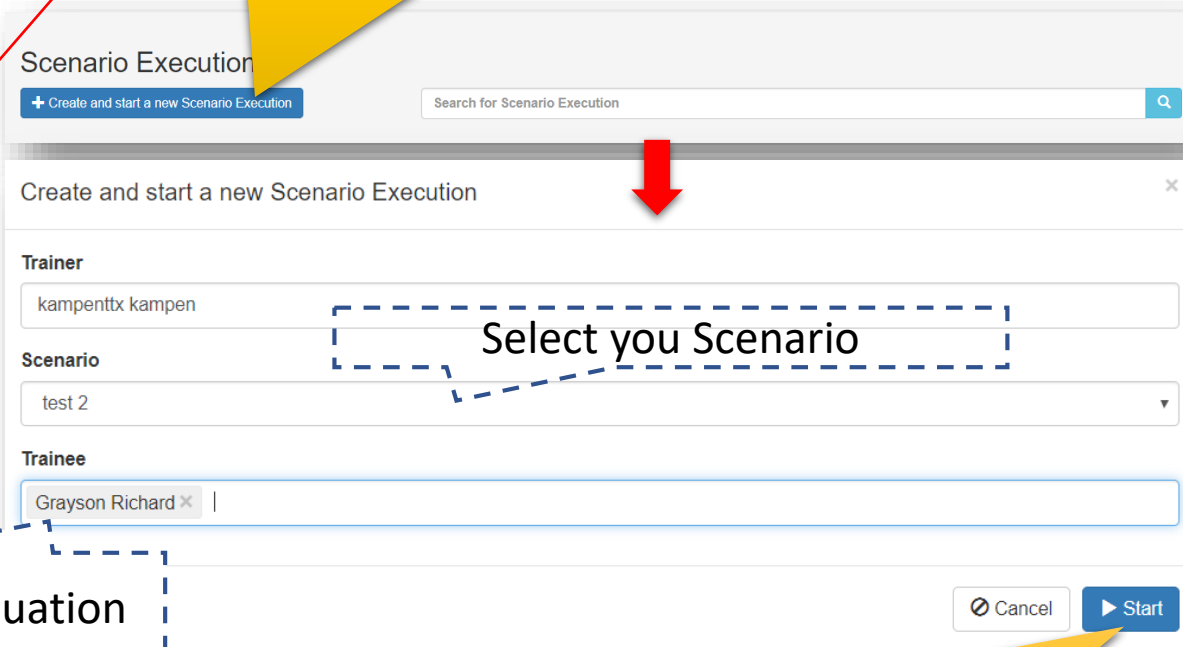
1. Press the logo to go back to the home page

3. Press Create and Start button



2. Press the Create Scenario Execution button

Note: This is for the evaluation of the trainee that is not ready yet as a feature. Ignore it.



4. Press Start

Step 8. Execute the Scenario [2/3]

Scenario Execution in progress

Started: Oct 2, 2019 12:44:17 PM
test 2

Trainer: Grayson Richard

Trainees:

Red Outline shows the current item that is executed

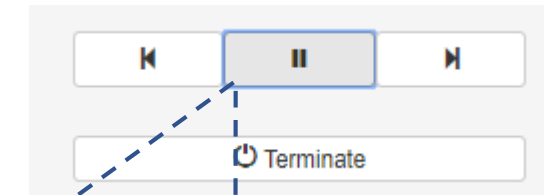
Time intervals, Events & Data Sources can be edited by pressing this button

By pressing X you can delete this block

Press Play

When each inject is executed, information are sent to other IN-PREP tools acting as a trigger

When each inject is executed, information are sent to other IN-PREP tools acting as a trigger



Tip: In case you want to change something, press pause first.

Tip: If you want to edit an incident, at this stage you have to stop execution, go back to the main screen and edit the incident

Step 8. Execute the Scenario [3/3]



i. The index number of the filed in a form of #x where x the position in the script

ii. This is a button for editing the current event, when the user presses it, all the data of the event can be modified. The color represents the incident that this Event belongs to.

iii. The event description.

iv. This is a button for deleting the current component (event in this case) where a new window pops-up for delete confirmation purposes.

v. The time duration of the event, the execution of the scenario will hold in that event for the given time before moves to the next one.

vi. The countries involved in the event.

vii. The involved agencies.

You may visit our
webinar as well!

<https://www.youtube.com/watch?v=QHYWMRzJQFs&t=27s>



Any Questions?



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IN-PREP

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