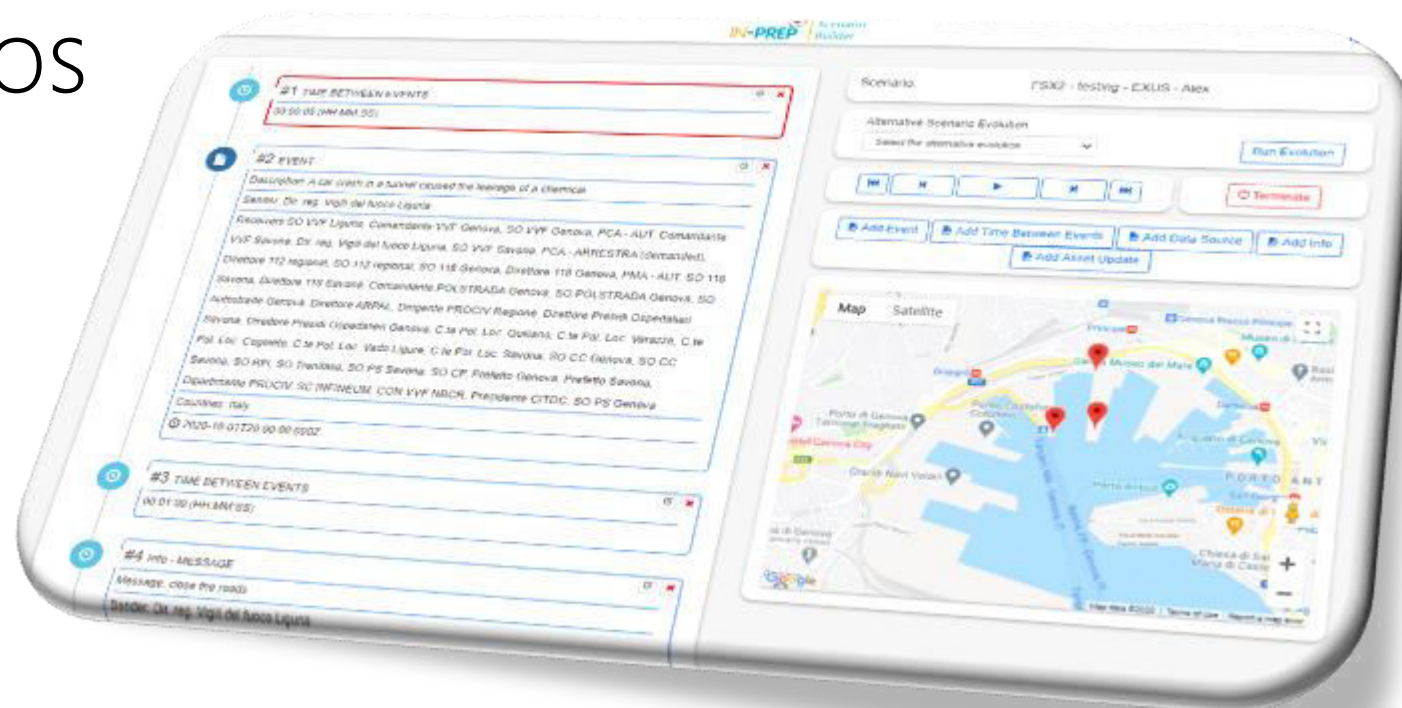


# Introducing Scenario Builder

Anaxagoras Fotopoulos



# Scenario Builder

is a tool for  
creating complex  
preparedness  
scenarios  
faster, cheaper,  
better.





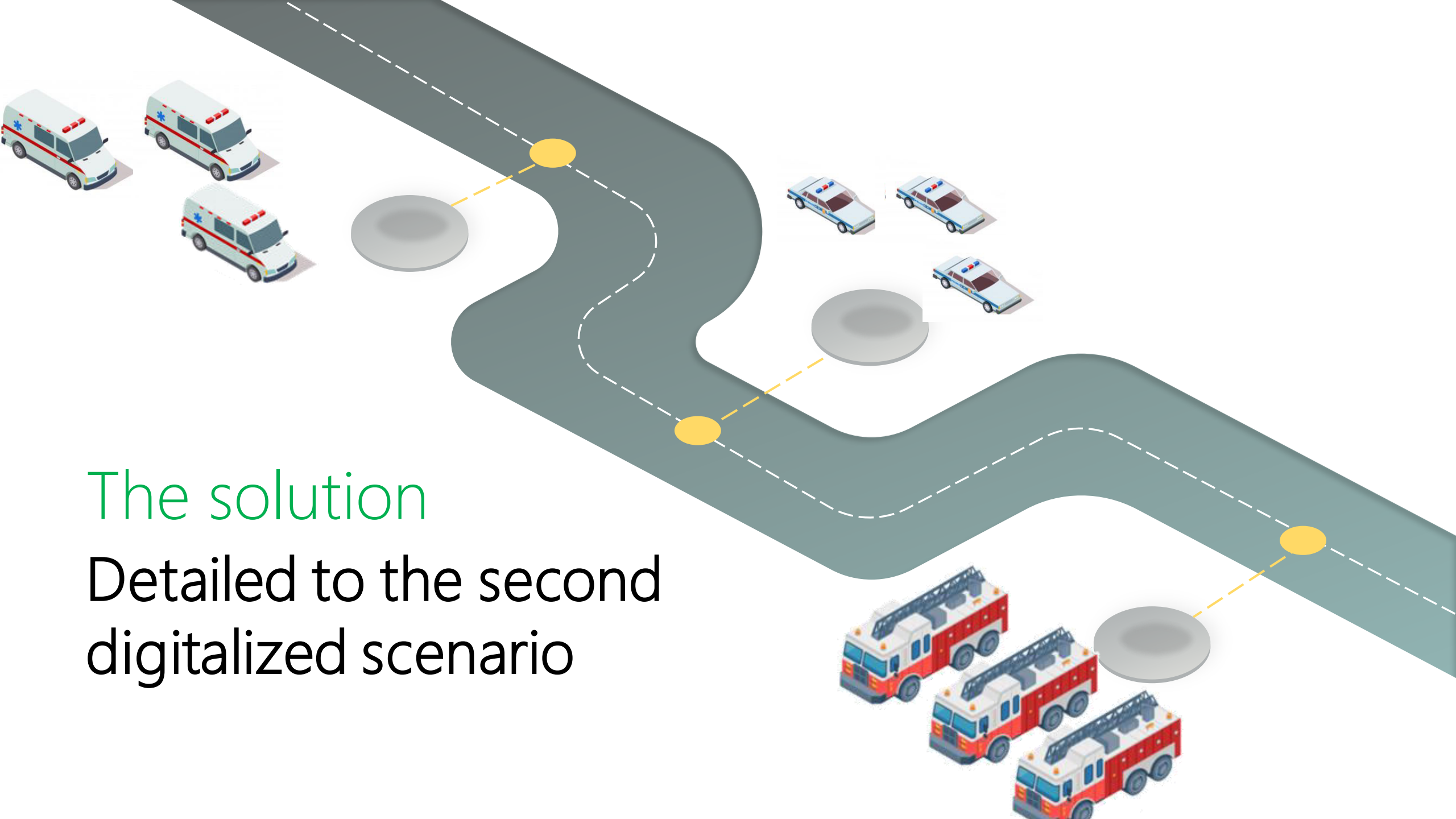


The problem...





...remains



The solution

Detailed to the second  
digitalized scenario

How it looks like?

- The Project
- Scenario Building Tool
- Scenario Library
- History
- Scenario Execution
- Historical Facts
- Decision Rule
- Operation Manual
- How To's
- FAQs
- Glossary
- Settings
- Privacy Policy
- Cookies Policy
- Terms of Use
- Contact Us



## Welcome IN-PREP user!

You are logged in as user "jgordon".

[+ Add/Edit Scenario](#)

Click here to create a new Scenario or edit an existing one.

[+ Add/Edit Scenario Execution](#)

Click to create a new Training Session or edit an existing one.

[+ Add/Edit Historical Fact](#)

Click to insert a new Lesson Learned or edit an existing one.

[+ Add/Edit Decision Rule](#)

Click to insert a new Use Case or edit an existing one.

This project has received funding from Horizon 2020, the European Union's Programme for Research and Innovation under grant agreement n° 740627







## #1 TIME BETWEEN EVENTS

00:00:05 (HH:MM:SS)



## #2 EVENT

Description: A car crash in a tunnel caused the leakage of a chemical

Sender: Dir. reg. Vigili del fuoco Liguria

Receivers: SO VVF Liguria, Comandante VVF Genova, SO VVF Genova, PCA - AUT, Comandante VVF Savona, Dir. reg. Vigili del fuoco Liguria, SO VVF Savona, PCA - ARRESTRATA (demanded), Direttore 112 regional, SO 112 regional, SO 118 Genova, Direttore 118 Genova, PMA - AUT, SO 118 Savona, Direttore 118 Savona, Comandante POLSTRADA Genova, SO POLSTRADA Genova, SO Autostrade Genova, Direttore ARPAL, Dirigente PROCIV Regione, Direttore Presidi Ospedalieri Savona, Direttore Presidi Ospedalieri Genova, C.te Pol. Loc. Quiliano, C.te Pol. Loc. Varazze, C.te Pol. Loc. Cogoleto, C.te Pol. Loc. Vado Ligure, C.te Pol. Loc. Savona, SO CC Genova, SO CC Savona, SO RFI, SO Trenitalia, SO PS Savona, SO CP, Prefetto Genova, Prefetto Savona, Dipartimento PROCIV, SC INFINEUM, CON VVF NBCR, Presidente CITDC, SO PS Genova

Countries: Italy

2020-10-01T20:00:00.000Z



## #3 TIME BETWEEN EVENTS

00:01:00 (HH:MM:SS)



## #4 Info - MESSAGE

Message: close the roads

Sender: Dir. reg. Vigili del fuoco Liguria

Scenario:

FSX2 - testing - EXUS - Alex

Alternative Scenario Evolution

Select the alternative evolution

Run Evolution



Terminate

Add Event

Add Time Between Events

Add Data Source

Add Info

Add Asset Update





## Scenario Items

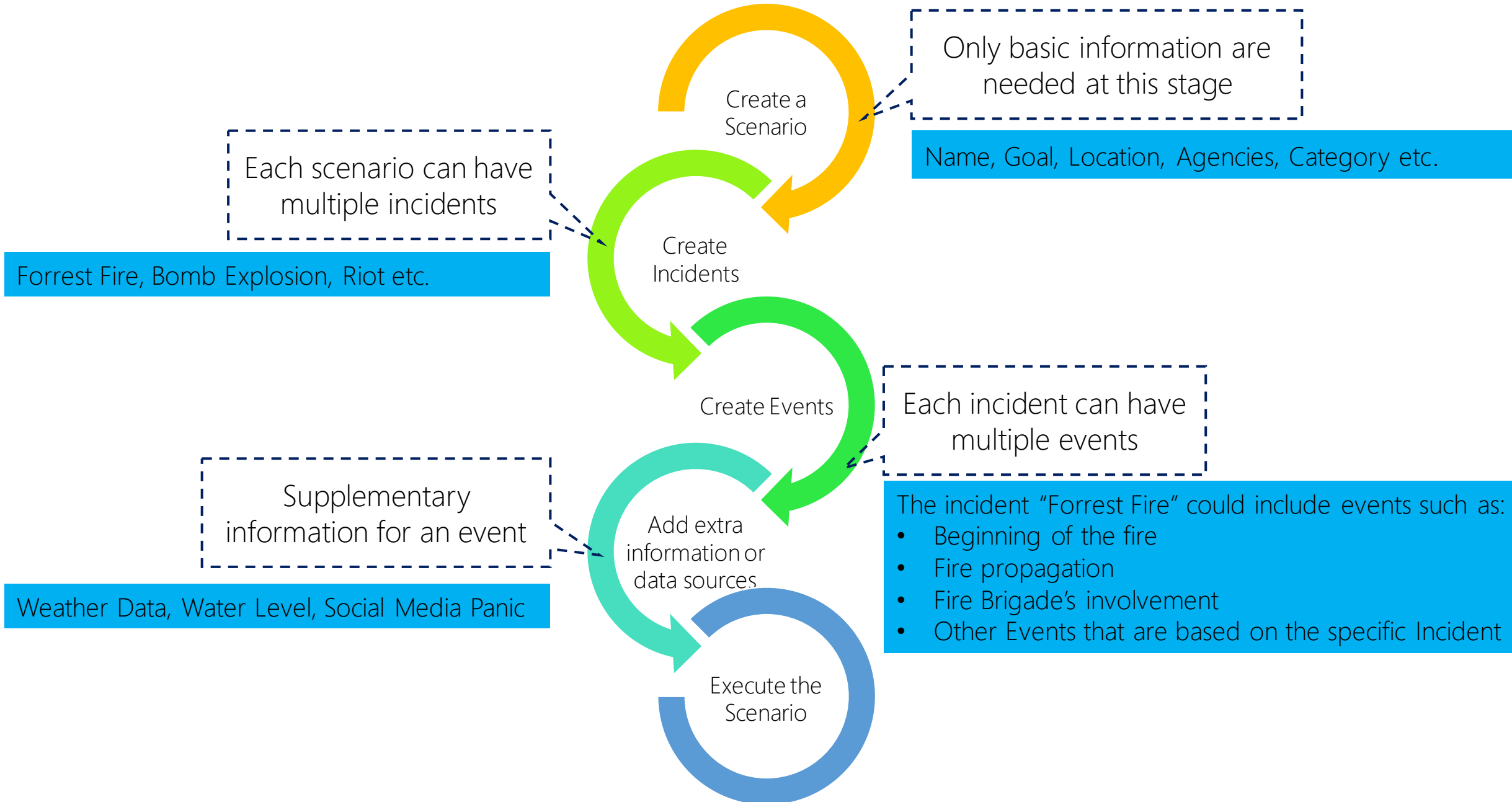
Show Scenario Items ☒

[+ Add Event](#)
[+ Add Time Between Events](#)
[+ Add Data Source](#)
[+ Add Info](#)
[+ Add Asset Update](#)

Index	Type	Description / Message		Indident	Time - Date	
1	<div><div>▲</div><div>▼</div></div>	Time between	00:00:05			<div><div>Edit</div><div>Duplicate</div><div>Delete</div></div>
2	<div><div>▲</div><div>▼</div></div>	Event	Description: A car crash in a tunnel caused the leakage of a chemical	<div><div></div></div> HazMat leakage in the tunnel	23:00:00 01-10-2020	<div><div>Edit</div><div>Delete</div></div>
3	<div><div>▲</div><div>▼</div></div>	Time between	00:01:00			<div><div>Edit</div><div>Duplicate</div><div>Delete</div></div>
4	<div><div>▲</div><div>▼</div></div>	Message	close the roads	<div><div></div></div> HazMat leakage in the tunnel	23:05:00 01-10-2020	<div><div>Edit</div><div>Delete</div></div>
5	<div><div>▲</div><div>▼</div></div>	Time between	00:05:00			<div><div>Edit</div><div>Duplicate</div><div>Delete</div></div>
6	<div><div>▲</div><div>▼</div></div>	Social media	just heard a crash in the tunnel	<div><div></div></div> HazMat leakage in the tunnel	23:10:00 01-10-2020	<div><div>Edit</div><div>Delete</div></div>
7	<div><div>▲</div><div>▼</div></div>	Time between	00:05:00			<div><div>Edit</div><div>Duplicate</div><div>Delete</div></div>
8	<div><div>▲</div><div>▼</div></div>	Message	Test message text	<div><div></div></div> HazMat leakage in the tunnel	00:00:00 05-11-2020	<div><div>Edit</div><div>Delete</div></div>
9	<div><div>▲</div><div>▼</div></div>	Time between	00:05:00			<div><div>Edit</div><div>Duplicate</div><div>Delete</div></div>
10	<div><div>▲</div><div>▼</div></div>	Asset Update	Status update: CRE234			<div><div>Edit</div><div>Delete</div></div>
11	<div><div>▲</div><div>▼</div></div>	Time between	00:05:00			<div><div>Edit</div><div>Duplicate</div><div>Delete</div></div>

[Export to JSON](#)
[Export to PDF](#)

How it works?



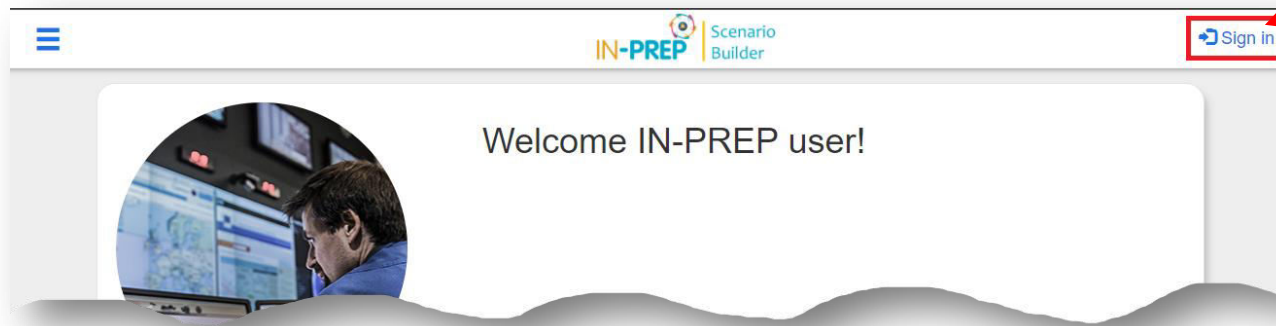


Create a scenario step-by-step

# Step 1. Sign In

Visit the following link: <https://scenario.in-prep.eu/>

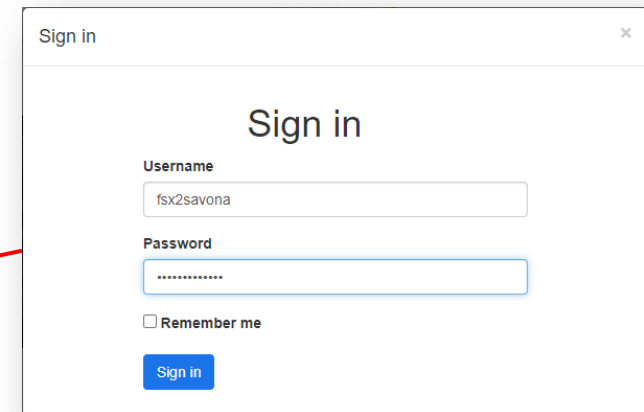
Press the "Sign-In" to fill in your credentials



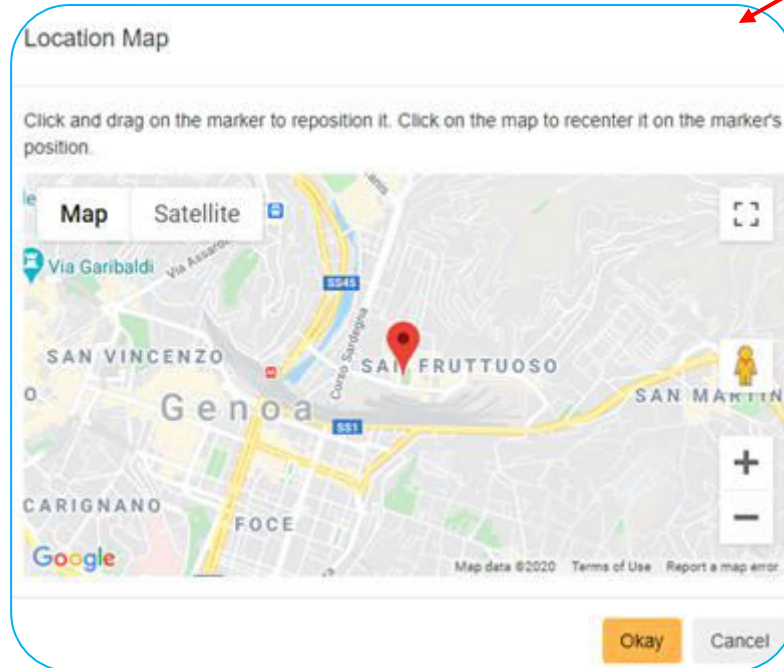
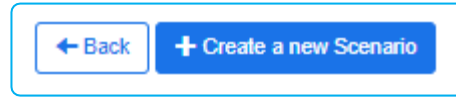
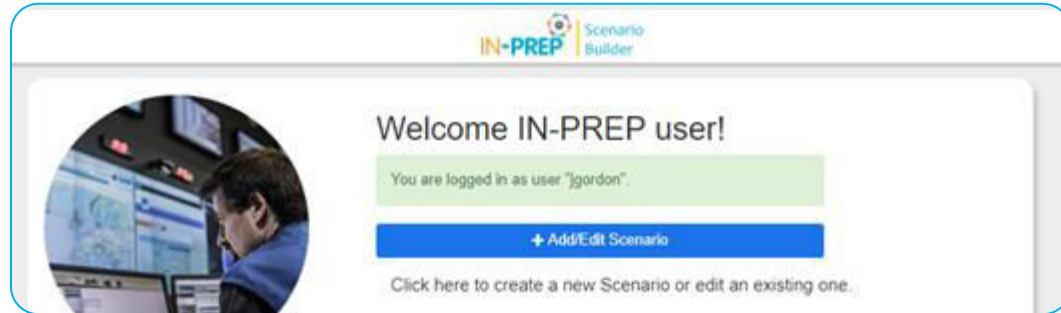
Use the following Credentials

Username: **psce**

Password: **demo123EXUS**

A screenshot of the 'Sign in' form. It has a title 'Sign in' and a close button. The form contains two input fields: 'Username' with the value 'fsx2savona' and 'Password' with masked characters. Below the fields is a checkbox for 'Remember me' and a blue 'Sign in' button.

# Step 2. Create a new Scenario



Create a new Scenario

Scenario name

e.g.: Exercise Arrow-1...

Specify the Goal of this scenario

e.g.: The goal of this scenario is to test the response time of the actors...

Choose the Agencies that will take part

e.g.: Police, Fire Brigade...

Add a new Agency

e.g.: Water Board

Add

Choose the general Location in which this Scenario will run by clicking the button on the right

e.g.: Via Antonio Gramsci, 2, 17100 Savona SV, Italy...

Choose the Countries that will be involved

e.g.: Italy, France, ...

Choose the Scenario Category

e.g.: Flood

Add a new Scenario Category

e.g.: Terrorist attack

Add

Choose the Territorial Category (area) of the scenario

e.g.: Local...

Choose one or more Impact Categories of the scenario

e.g.: Technical (Equipment - facilities - vehicles etc.)...

Provide any Comments regarding this scenario

e.g.: This scenario will run along with a realtime exercise...

Make this scenario private (or it will be created as public)

Cancel

Save



# Step 3. Add Actors

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

### Edit Scenario : FSX2 - testing - EXUS

[← Back](#) [Edit](#) [Share scenario](#)

Duplicate the current scenario

Show Clone Scenario Option ☐

Save a version of this scenario

Show Clone Scenario Option ☐

#### Actors

Show Created Actors ☒

[+ Add a new Actor](#)

Name	Agency	Role In Exercise	Level Of Command
------	--------	------------------	------------------

### Add a new Actor

**Name**

This field is required.

**Agency**

Select the agency that this Actor belongs to

**Country**

Select the country that this Actor belongs to

**Role In Exercise**

This field is required.

**Expertise**

This field is required.

**Level Of Command**

This field is required.

[Cancel](#) [Save](#)

# Step 4. Add Assets

## Edit Scenario : *FSX2 - testing - EXUS*

[← Back](#) [Edit](#) [Share scenario](#)

### Duplicate the current scenario

Show Clone Scenario Option ☐

### Save a version of this scenario

Show Clone Scenario Option ☐

### Actors

Show Created Actors ☐

### Assets

Show Created Assets ☒

[+ Add a new Asset](#)

## Add a new Asset

### The category of this specific Asset

Select the category of this Asset

This field is required.

### Organization

Select the country that this Actor belongs to

### Type

Insert the type of this Asset e.g.: Armored Truck

This field is required.

### Callsign

Insert the unique identified of the Asset

This field is required.

### Status

Select the current (new) status of the selected Asset

### Location

Select a location on map (click the button on the right)



### Description

Insert an optional description for this Asset

This field is required.

### Is this a virtual asset?

NO

[Cancel](#)

[Save](#)

# Step 5. Add Incidents

## Edit Scenario : FSX2 - testing - EXUS

[← Back](#) [Edit](#) [Share scenario](#)

### Duplicate the current scenario

Show Clone Scenario Option ☐

### Save a version of this scenario

Show Clone Scenario Option ☐

### Actors

Show Created Actors ☐

### Assets

Show Created Assets ☐

### Incidents

Show Created Incidents ☒

[+ Add a new Incident](#)



The Name of this specific Incident

Select a representative Color for this Incident

### Scenario Items

Show Scenario Items ☒

[+ Add Event](#) [+ Add Time Between Events](#) [+ Add Data Source](#) [+ Add Info](#) [+ Add Asset Update](#)

### Add a new Incident

The Name of this specific Incident

e.g.: Fire in the forest...

This field is required.

Select a representative Color for this Incident



[Cancel](#)

[Save](#)



# Step 6. Add Events for each incident

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 : FSX2 - testing - EXUS

[Back](#) [Edit](#) [Share scenario](#)

Duplicate the current scenario  
[Show Clone Scenario Option](#)

Save a version of this scenario  
[Show Clone Scenario Option](#)

Actors  
[Show Created Actors](#)

Assets  
[Show Created Assets](#)

Incidents  
[Show Created Incidents](#)

[+ Add a new Incident](#)

The Name of this specific Incident  Select a representative Color for this Incident

Scenario Items  
[Show Scenario Items](#)

[+ Add Event](#) [+ Add Time Between Events](#) [+ Add Data Source](#) [+ Add Info](#) [+ Add Asset Update](#)

Edit the selected Event

Choose one of the already created Incidents in which this Event will belong  
HazMat leakage in the tunnel

Choose the Category of this Event  
HazMat leakage

Add a new Event Category  
e.g.: Fire [Add](#)

Choose the Sender (creator) of this Event  
Dir. reg. Vigili del fuoco Liguria

Choose one or more Agencies that will receive this Event

SO VVF Liguria x Comandante VVF Genova x SO VVF Genova x PCA - AUT x Comandante VVF Savona x  
Dir. reg. Vigili del fuoco Liguria x SO VVF Savona x PCA - ARRESTRA (demanded) x Direttore 112 regional x  
SO 112 regional x SO 118 Genova x Direttore 118 Genova x PMA - AUT x SO 118 Savona x Direttore 118 Savona x  
Comandante POLSTRADA Genova x SO POLSTRADA Genova x SO Autostrade Genova x Direttore ARPAL x  
Dirigente PROCIV Regione x Direttore Presidi Ospedalieri Savona x Direttore Presidi Ospedalieri Genova x  
C.le Pol. Loc. Quiliano x C.le Pol. Loc. Varazze x C.le Pol. Loc. Cogoleto x C.le Pol. Loc. Vado Ligure x  
C.le Pol. Loc. Savona x SO CC Genova x SO CC Savona x SO RFI x SO Trenitalia x SO PS Savona x SO CP x  
Prefetto Genova x Prefetto Savona x Dipartimento PROCIV x SC INFINEUM x CON VVF NSCR x Presidente CITDC x  
SO PS Genova x

Choose the Countries that their Agencies (chosen above) will receive this Event  
Italy

Provide a Description for this Event  
A car crash in a tunnel caused the leakage of a chemical material

Provide some extra information about the location of this Event  
Not too many cars in the tunnel

Choose the Location of this Event from the map by clicking the button on the right  
Calata Zingari, 1y, 16126 Genova GE, Italy

Choose the time that this occurred by clicking the button on the right  
2020-10-02 01:00

Choose the Index of this Event in the Scenario (line in script)  
2

[Cancel](#) [Save](#)

Choose one of the already created Incidents in which this Event will belong

HazMat leakage in the tunnel

e.g.: Flood

HazMat leakage in the tunnel

Trainer selects the Incident that the current Event will belong to

Tip: Split events to be more precise.

An example incident "Forrest Fire" could be 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 7. Add Data Sources

Edit Scenario : FSX2 - testing - EXUS

[Back](#) [Edit](#) [Share scenario](#)

Duplicate the current scenario  
[Show Clone Scenario Option](#)

Save a version of this scenario  
[Show Clone Scenario Option](#)

Actors  
[Show Created Actors](#)

Assets  
[Show Created Assets](#)


Incidents  
[Show Created Incidents](#)

[+ Add a new Incident](#)

The Name of this specific Incident  Select a representative Color for this Incident

Scenario Items  
[Show Scenario Items](#)

[+ Add Event](#) [+ Add Time Between Events](#) [+ Add Data Source](#) [+ Add Info](#) [+ Add Asset Update](#)



Create a Data Source

Type

EVACUATION (UoG)  
CHEMICAL AGENT ATMOSPHERIC DISPERSION  
IMPACT ASSESSMENT IN ENERGY SUPPLY (SIM-CI)  
air\_impact  
IMPACT ASSESSMENT IN TELECOMMUNICATIONS (SIM-CI)  
EVACUATION EXTENDED(UoG)  
Factors from Usecase: Fire open space - Fire Fighters Needed  
Factors from Usecase: Fire open space - Firefighting Vehicles Needed  
Factors from Usecase: Fire in building - Firefighting Vehicles Needed  
Factors from Usecase: Fire in building - Fire Fighters Needed  
Factors from Usecase: Fire open space - Non Fire Fighters First Responders Needed  
Factors from Usecase: Fire in building - Non Fire Fighters First Responders Needed  
Factors from Usecase: CBRN Dispersion in Atmosphere

[Cancel](#) [Save](#)

Create a Data Source

Type

EVACUATION (UoG)

Select the Incident that this Data Source belongs to

This field is required.

Properties To be filled by trainee

Hazard Profile ☐

Hazard Start Time (min) ☐

Population Distribution ☐

Response Time ☐

Notification ☐

Evacuation Start Time (min) ☐

Index

10

[Cancel](#) [Save](#)

# Step 8. Add Info (Messages, Social Media Posts, etc.)

Edit Scenario : FSX2 - testing - EXUS

[← Back](#) [Edit](#) [Share scenario](#)

Duplicate the current scenario  
[Show Clone Scenario Option](#) ☐

Save a version of this scenario  
[Show Clone Scenario Option](#) ☐

Actors  
[Show Created Actors](#) ☐

Assets  
[Show Created Assets](#) ☐

Incidents  
[Show Created Incidents](#) ☒

[+ Add a new Incident](#)

The Name of this specific Incident  Select a representative  for this Incident

Scenario Items  
[Show Scenario Items](#) ☒

[+ Add Event](#) [+ Add Time Between Events](#) [+ Add Data Source](#) [+ Add Info](#) [+ Add Asset Update](#)



Choose the Type of this Info

MESSAGE

MESSAGE  
SOCIAL\_MEDIA  
MASS\_MEDIA  
HOSPITALISATION  
e.g.: MESSAGE

Create an Info

Each Selection has different fields

Choose the Type of this Info

MESSAGE

Choose one of the already created Incidents in which this Info will belong

e.g.: Flood

This field is required.

Choose the Location of this Event from the map by clicking the button on the right

e.g.: Via Antonio Gramsci, 2, 17100 Savona SV, Italy...

Choose the Sender (creator) of this Info

e.g.: Fire Brigade

Choose one or more Agencies that will receive this Info

e.g.: Fire Brigade, Police

Compose the message that will be sent

e.g.: This is a message about a suspect that...

Select an image (if exists) that will be sent

Click to select file to upload

Choose the time that this Info Occurred by clicking the button on the right

2020-01-31 00:04

Choose the Index of this Info in the Scenario (line in script)

10

[Cancel](#) [Save](#)



# Step 9. Add Asset Updates

Edit Scenario : *FSX2 - testing - EXUS*

[Back](#) [Edit](#) [Share scenario](#)

Duplicate the current scenario  
Show Clone Scenario Option ☐

Save a version of this scenario  
Show Clone Scenario Option ☐

Actors  
Show Created Actors ☐

Assets  
Show Created Assets ☐

Incidents  
Show Created Incidents ☒

[+ Add a new Incident](#)

The Name of this specific Incident  Select a representative Color for this Incident

Scenario Items  
Show Scenario Items ☒

[+ Add Event](#) [+ Add Time Between Events](#) [+ Add Data Source](#) [+ Add Info](#) [+ Add Asset Update](#)



Choose one of the registered assets

Select on of the available Assets

Select on of the available Assets

CRE234

CRE235

Tip: Available Assets

Create an Asset Update

Choose one of the registered assets

CRE234

Select the new location of the selected asset

Select a location on map (click the button on the right)

Select the new status of the asset

Available

This field is required.

[Delete the asset: CRE234](#)

Choose one of the registered assets

CRE235

Select the new location of the selected asset

Select a location on map (click the button on the right)

Select the new status of the asset

Select the current (new) status of the selected Asset

This field is required.

[Delete the asset: CRE235](#)

[Add asset update](#)

Choose the Index of this Asset Update in the Scenario (line in script)

10

[Cancel](#) [Save](#)

# Step 10. Set the Time-plan

Scenario Items

Show Scenario Items ☒

[+ Add Event](#) [+ Add Time Between Events](#) [+ Add Data Source](#) [+ Add Info](#) [+ Add Asset Update](#)

Index	Type	Description / Message	Incident	Time - Date	
1	Time between	00:00:05			<a href="#">Edit</a> <a href="#">Duplicate</a> <a href="#">Delete</a>
2	Event	Description: A car crash in a tunnel caused the leakage of a chemical	HazMat leakage in the tunnel	22:00:00 01-10-2020	<a href="#">Edit</a> <a href="#">Delete</a>
3	Time between	00:05:00			<a href="#">Edit</a> <a href="#">Duplicate</a> <a href="#">Delete</a>
4	Message	close the roads	HazMat leakage in the tunnel	22:05:00 01-10-2020	<a href="#">Edit</a> <a href="#">Delete</a>
5	Time between	00:05:00			<a href="#">Edit</a> <a href="#">Duplicate</a> <a href="#">Delete</a>
6	Social media	just heard a crash in the tunnel	HazMat leakage in the tunnel	22:10:00 01-10-2020	<a href="#">Edit</a> <a href="#">Delete</a>
7	Time between	00:05:00			<a href="#">Edit</a> <a href="#">Duplicate</a> <a href="#">Delete</a>
8	Asset Update	Status update: CRE234, CRE235			<a href="#">Edit</a> <a href="#">Delete</a>
9	Time between	00:05:00			<a href="#">Edit</a> <a href="#">Duplicate</a> <a href="#">Delete</a>

Add time between events

Minutes: Seconds Choose the time between Events in minutes and seconds

0 : 5

Choose the Index of this Event in the Scenario (line in script)

10

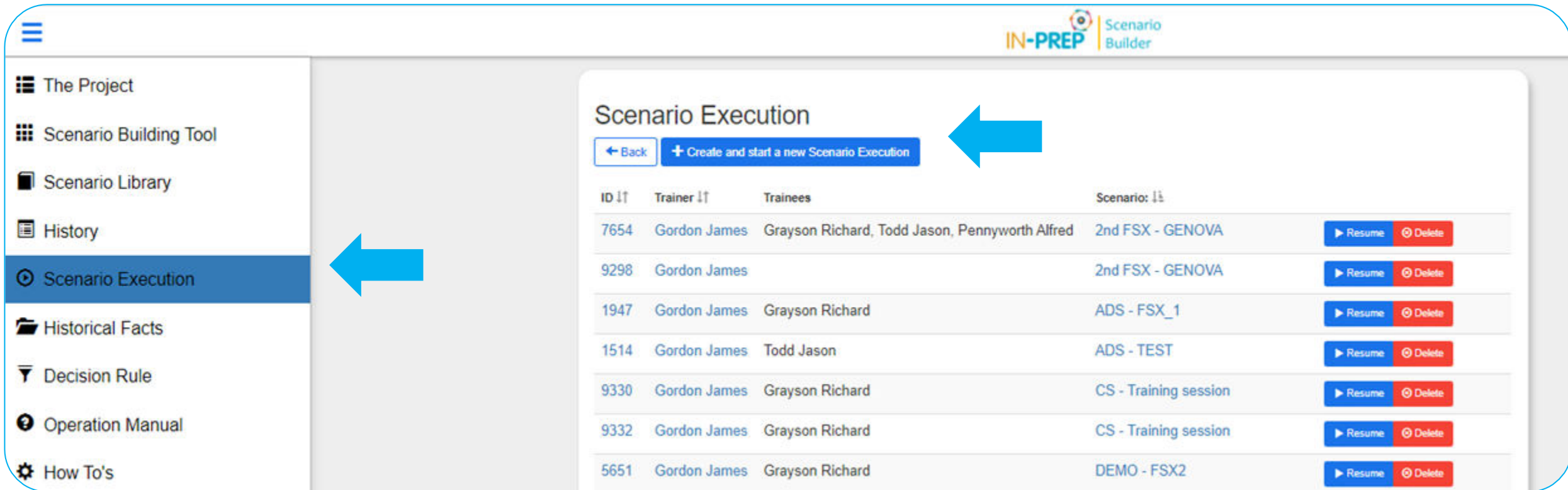
[Cancel](#) [Save](#)

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

Tip: By pressing the "Duplicate" button this "Time between events" element will be copied at the end of the scenario

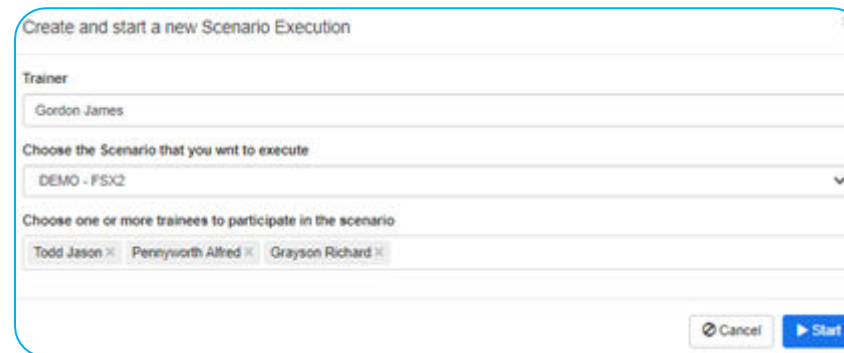
Tip: Double check that all items have the correct duration and are logic. Press edit if you want to change something

# Execute the Scenario



The screenshot displays the IN-PREP Scenario Builder interface. On the left is a sidebar with navigation options: The Project, Scenario Building Tool, Scenario Library, History, Scenario Execution (highlighted with a blue bar and a blue arrow), Historical Facts, Decision Rule, Operation Manual, and How To's. The main area is titled "Scenario Execution" and features a blue button labeled "+ Create and start a new Scenario Execution" with a blue arrow pointing to it. Below this is a table of scenario executions.

ID ↑↓	Trainer ↑↓	Trainees	Scenario: ↑↓	
7654	Gordon James	Grayson Richard, Todd Jason, Pennyworth Alfred	2nd FSX - GENOVA	<a href="#">▶ Resume</a> <a href="#">⊗ Delete</a>
9298	Gordon James		2nd FSX - GENOVA	<a href="#">▶ Resume</a> <a href="#">⊗ Delete</a>
1947	Gordon James	Grayson Richard	ADS - FSX_1	<a href="#">▶ Resume</a> <a href="#">⊗ Delete</a>
1514	Gordon James	Todd Jason	ADS - TEST	<a href="#">▶ Resume</a> <a href="#">⊗ Delete</a>
9330	Gordon James	Grayson Richard	CS - Training session	<a href="#">▶ Resume</a> <a href="#">⊗ Delete</a>
9332	Gordon James	Grayson Richard	CS - Training session	<a href="#">▶ Resume</a> <a href="#">⊗ Delete</a>
5651	Gordon James	Grayson Richard	DEMO - FSX2	<a href="#">▶ Resume</a> <a href="#">⊗ Delete</a>



The modal dialog is titled "Create and start a new Scenario Execution". It contains the following fields:

- Trainer:** A text input field containing "Gordon James".
- Choose the Scenario that you want to execute:** A dropdown menu with "DEMO - FSX2" selected.
- Choose one or more trainees to participate in the scenario:** A multi-select input field containing "Todd Jason", "Pennyworth Alfred", and "Grayson Richard".

At the bottom right of the modal are two buttons: "Cancel" and "▶ Start", with a blue arrow pointing to the "▶ Start" button.

# Observe & Modify on the go

Red outline shows current item that is executed

The screenshot displays the IN-PREP Scenario Builder interface. On the left, a vertical timeline lists four items: #1 TIME BETWEEN EVENTS (00:00:05), #2 EVENT (A car crash in a tunnel...), #3 TIME BETWEEN EVENTS (00:01:00), and #4 Info - MESSAGE (close the roads). Item #1 is highlighted with a red border. On the right, the 'Scenario' is 'FSX2 - testing - EXUS - Alex'. Below this, there's a section for 'Alternative Scenario Evolution' with a 'Run Evolution' button. A control bar with play, pause, and stop buttons is visible. At the bottom, a map shows the location of the events. Two blue callout boxes point to the 'Edit Inject' and 'Delete Inject' buttons on the right side of the interface.

IN-PREP Scenario Builder

Scenario: FSX2 - testing - EXUS - Alex

Alternative Scenario Evolution

Select the alternative evolution

Run Evolution

Terminate

Add Event Add Time Between Events Add Data Source Add Info

Add Asset Update

Map Satellite

Genova Piazza Principe

Museo del Mare

Porto Antico

Chiesa di San Maria di Castello

Map data ©2020 Terms of Use Report a map error

Edit Inject

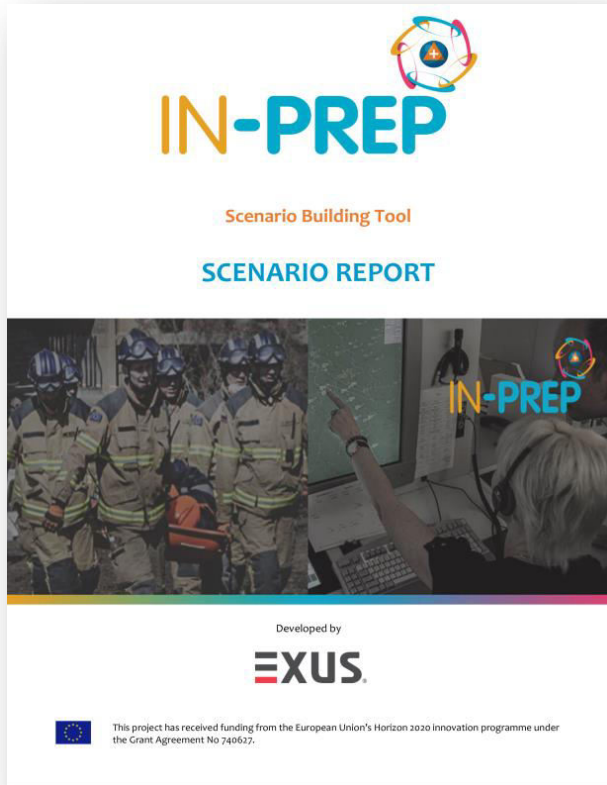
Delete Inject

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

# Key Features



# Export Scenario



**Scenario Building Tool - IN-PREP**

Scenario information:

Name: FSX2 - testing - EXUS - Alex

Id: 5782

Scenario Goal: to test the data processing

Involved Agencies: Dir. reg. Vigili del fuoco Liguria, SO VVF Liguria, SO VVF Genova, PCA - AUT, Comandante VVF Savona

Location Address: Genoa (Ponte Andrea Doria), Italy

Involved Countries: Italy

Territorial Category: Local

Impact Category: Technical (Equipment - facilities - vehicles etc.)  
Human (Health - Psychology - panic)  
Organizational (Destabilization of agency - state - country etc.)  
Environmental (pollution - disaster of field etc.)

Comments: comments just for demonstration

Event	Time	Details
1 - TIMEDELAY	00:05	
2 - REPORT	10:00 - 01/10/2020	* Description: A car crash in a tunnel caused the leakage of a chemical * Involved Agencies: Italy
3 - TIMEDELAY	01:00	
4 - INFO - WARNING	10:05 - 01/10/2020	* Sender: Dir. reg. Vigili del fuoco Liguria * Receiver(s): SO VVF Liguria, SO VVF Genova * Message: close the roads

9 Time between 00:05:00 [Edit] [Duplicate] [Delete]

10 Asset Update Status update: CRE234 [Edit] [Delete]

11 Time between 00:05:00 [Edit] [Duplicate] [Delete]

[Export to JSON] [Export to PDF]

```
{
  "id": "jgordon",
  "comments": "just for demonstration",
  "date": "2020-10-05T08:43:15.926+",
  "only": "No value provided",
  "agencies": "Dir. reg. Vigili del fuoco Liguria, SO VVF Liguria, SO VVF Genova, PCA - AUT, Comandante VVF Savona",
  "countries": "Italy",
  "location": "44.41149267698626, 8.91821721",
  "address": "Genoa (Ponte Andrea Doria), Italy",
  "scenario": "FSX2 - testing - EXUS - Alex",
  "category": "HazMat leakage",
  "goal": "to test the data processing",
  "impactCategory": "Technical (Equipment - facilities - vehicles etc.)",
  "territorialCategory": "Local",
  "only": "No value provided",
  "comments": "No value provided"
}
```

PDF file

Export in json format

Export in pdf format

JSON file sample

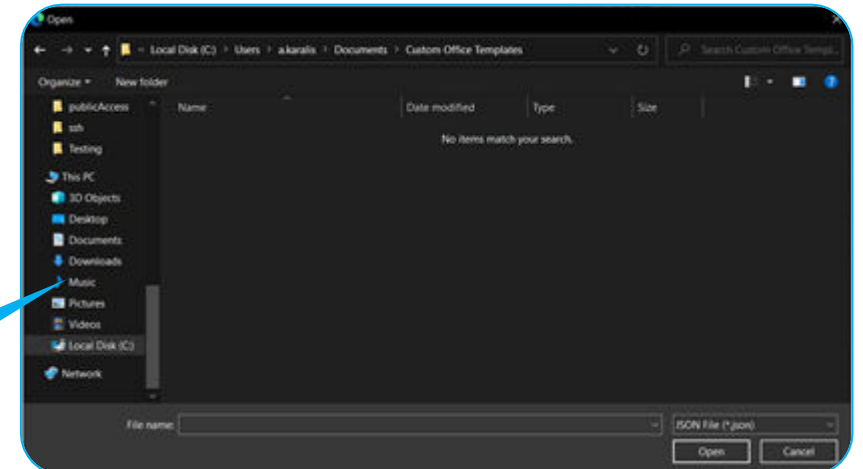
# Import a Scenario

JSON file sample

```
{
  "scenarioInfo": {
    "author": "Jordan",
    "comments": "Comments just for demonstration",
    "creationDate": "2020-10-05T08:43:15.924+02:00[Europe/Rome]",
    "groups": "No value provided",
    "groupsHeadOnly": "No value provided",
    "involvedAgencies": "Dir. reg. Vigili del fuoco Liguria, SO VVF Liguria, Comandante VVF Genova, SO VVF Genova, PCA",
    "involvedCountries": "Italy",
    "location": "44.41149247698426, 8.918217212446379",
    "locationAddress": "Genoa (Ponte Andrea Doria), Italy",
    "name": "FSX2 - testing - EXUS - Alex",
    "privateScenario": false,
    "scenarioCategory": "RaidNet leakage",
    "scenarioGoal": "to test the data processing",
    "scenarioImpactCategory": "Technical (Equipment - facilities - vehicles etc.), Human (Health - Psychology - pain)",
    "scenarioTerritorialCategory": "local",
    "users": "No value provided",
    "usersHeadOnly": "No value provided",
    "versionComments": "No value provided"
  },
  "scenarioScript": [
    {
      "index": 1,
      "scriptLine": {
        "timeDelay": {
          "seconds": 5
        }
      },
      "index": 2,
      "scriptLine": {
        "event": {
          "category": "RaidNet leakage",
          "description": "A car crash in a tunnel caused the leakage of a chemical",
          "duration": 2,
          "incident": "RaidNet leakage in the tunnel",
          "involvedAgencies": "SO VVF Liguria, Comandante VVF Genova, SO VVF Genova, PCA - AUT, Comandante VVF Se",
          "involvedCountries": "Italy",
          "location": "44.41423430830007, 8.917843161056413",
          "locationAddress": "Calata Sengeri, 1y, 16126 Genova GE, Italy",
          "locationDescription": "Two too many cars in the tunnel",
          "users": "Dir. reg. Vigili del fuoco Liguria",
          "timeOccurred": "2020-10-01T22:00+02:00[Europe/Rome]"
        }
      }
    }
  ]
}
```

Exercise Silvertree - In Prep	1	<a href="#">Info</a> <a href="#">Details</a> <a href="#">Delete</a>
FSX-2_testing_EXUS	1	<a href="#">Info</a> <a href="#">Details</a> <a href="#">Delete</a>
FSX2 - testing - EXUS - Alex	1	<a href="#">Info</a> <a href="#">Details</a> <a href="#">Delete</a>
FSX2 - testing - EXUS - Alex_v2	1	<a href="#">Info</a> <a href="#">Details</a> <a href="#">Delete</a>
FSX-2_testing_EXUS_byAlex	1	<a href="#">Info</a> <a href="#">Details</a> <a href="#">Delete</a>
<a href="#">Import scenario</a>		
Showing 1 - 20 of 43 items.		
<a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a>		

File selection



# Team Sharing & Collaborative Drafting

Edit Scenario : *FSX2 - testing - EXUS - Alex*

[← Back](#) [✎ Edit](#) [✎ Share scenario](#)



View, Edit and Delete

View only (Cannot edit or delete anything)

Full access group (e.g. EXUS accounts)

Sharing options of the scenario

Scenario name

Users with Full Access

apenny ✕

Users with Read Only Access

tstark ✕

Groups with Full Access

localhost ✕

Groups with Read Only Access

sbet.com ✕

Author


jgordon


Make this scenario private (or it will be created as public) ☒


[Cancel](#) [Save](#)


Checkbox to make the scenario private


# Track History of Changes





 The Project


 Scenario Building Tool


 Scenario Library


 History


 Scenario Execution


 Historical Facts


 Decision Rule


 Operation Manual


 How To's


 FAQs


 Glossary


 Settings

 Privacy Policy

 Cookies Policy

 Terms of Use





## User Activities

[← Back](#)

Username	Time of change	Action	Scenario name	
jgordon	11/11/2020 - 18:14:59	Data Source Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 18:12:09	Data Source Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 14:01:00	Info Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 14:00:11	Event Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 13:59:10	Incident Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 13:58:56	Incident Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 13:29:36	Data Source Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 03:37:10	Data Source Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	11/11/2020 - 01:35:35	Data Source Update	Testing scenario Vasilis_EXUS	<a href="#">View</a>
jgordon	05/11/2020 - 20:24:42	Info Update	FSX2 - testing - EXUS - Alex_v2	<a href="#">View</a>
jgordon	05/11/2020 - 20:16:22	Info Update	FSX2 - testing - EXUS - Alex	<a href="#">View</a>

## User Activity

Change Id	11861
Time of change	11/11/20 14:00
Action	Event Update
Username	jgordon
Scenario name	Testing scenario Vasilis_EXUS
Old values	<div>Id: 2805 Event Description: Arrival Location: 54.603844,-5.9147279999999968 Location Address: 2 Queens Quay, Belfast BT3 9QQ, UK Sender: Fire Brigade Event Agency: Police Category: ReportCategory(id=2559, name='Suspicious Vehicle') Time Occurred: 2019-12-18T00:01+01:00[Europe/Rome] Involved Countries: Ireland,UK Duration in Sec: 2</div>
Changed values	<div>Event Description: Big earthquake Category: ReportCategory(id=5, name='Earthquake')</div>

[← Back](#)

# Version Control (Harder Version, Easier Version etc.)

Edit Scenario : *FSX2 - testing - EXUS - Alex*

[← Back](#) [Edit](#) [Share scenario](#)

Duplicate the current scenario

Show Clone Scenario Option ☐

Save a version of this scenario

Show Clone Scenario Option ☒

The name of the saved version of the scenario will be: *FSX2 - testing - EXUS - Alex\_\_Test version*

Version Comments

[→ Save a Version of scenario](#)

Other versions of this scenario

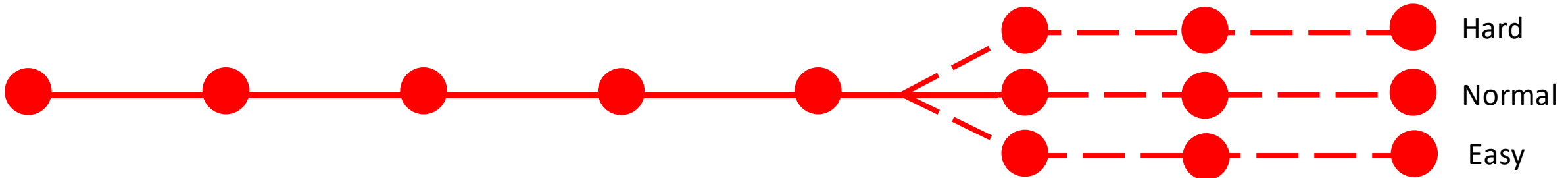
Scenario name ↓↑

FSX2 - testing - EXUS - Alex_v2	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
---------------------------------	--



# Alternative Evolutions

The screenshot displays the IN-PREP Scenario Builder interface. On the left, a timeline lists events: #139 TIME BETWEEN EVENTS (00:00:05), #140 Info - MESSAGE (09:25:00 10/28/2020), #141 TIME BETWEEN EVENTS (00:04:50), and #142 Info - MESSAGE (09:30:00 10/28/2020). The message details for #140 and #142 are visible. On the right, the 'Scenario' is set to '2nd FSX - GENOVA'. A dropdown menu for 'Alternative Scenario Evolution' shows options: 'Clone of 2nd FSX - GENOVA-final', '2nd FSX - GENOVA - Hard\_Edition' (selected), and '2nd FSX - GENOVA - Light\_Edition'. Below the dropdown are buttons for 'Run Evolution', 'Terminate', and 'Add Event', 'Add Time Between Events', 'Add Data Source', 'Add Info', 'Add Asset Update'. At the bottom, a map of Genova is shown with a pop-up window displaying message details.





Is it viable?

Incident and emergency management market

103.84€ Billion

+5.6% CAGR by 2023

*(Research & Markets)*

Police & military simulation & training market

11.8€ Billion

+4.20% CAGR by 2021

*(Technavio)*





## STRENGTHS



## WEAKNESSES

# SWOT ANALYSIS.



## OPPORTUNITIES



## THREATS

- End-to-end Scenario process **digitalization**
- **Detailed to the second** scenarios for all **levels of command**
- **Integration** with Simulation Tools, DSS & C2s.
- Integration with **legacy systems** through a Middleware
- Social Media & Sensor **Simulation**
- Ability for **per-inject** evaluation
- Integration with 3rd Party APIs for obtaining data (e.g. weather data)

- Difficult market to penetrate
- Need update for multilingual support
- Integration with existing legacy systems requires vast amount of time

- Injects deriving from the scenario builder within existing legacy systems of agencies (e.g. C3s), operational officers will not know the difference of real from virtual incident improving training.
- Crisis exercises use much paperwork and obsolete manual methodologies.
- More personnel can participate
- Easy Replicability for (Virtual) Table Top Exercises
- Cost reduction of the training

- First Responder High Level officers aren't yet familiar with digital transformation and still prefer static exercises written in paper.
- Digitizing paperwork requires significant amount of time.





Virtual Scenarios can minimize costs while maximize participation



# What's next?

## Scenario Marketplace

Open Scenarios  
Sell your Scenario

## Digital Twins

Virtualize Emergency Scene



## Gamification

Evaluating Trainees:  
-Per command Level  
-Per Incident  
-Per Agency

AI

Semi-Automated Scenario Generation  
Take decision vs AI Recommendations

*"An excellent tool which allows the Trainers flexibility and oversight of any exercise, it also gives the trainees a realistic and real time scenario to process. Gives commanders the scope to see what impact a decision has allowing many different scenarios to be put to them with varying results giving a holistic training result"*

*"It's a very good tool for increasing the frequency and the quality of the emergency exercises."*

*"It is an excellent training tool that enables trainers to evaluate their trainee to the maximum"*



30

years  
in the  
business



Customers  
in 35 countries

150+

people



London  
Athens



17

Ongoing H2020

8 as

Coordinator

Clients



SCB  
ไทยพาณิชย์



المصرف



بنك الاردن Bank of Jordan

Thank you!  
How we can collaborate?

[a.fotopoulos@exus.co.uk](mailto:a.fotopoulos@exus.co.uk)