



**IN-PREP**

**CRIMSON**

**FSX1 features**

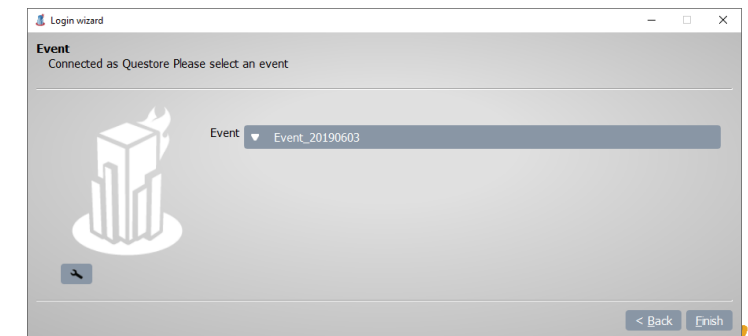
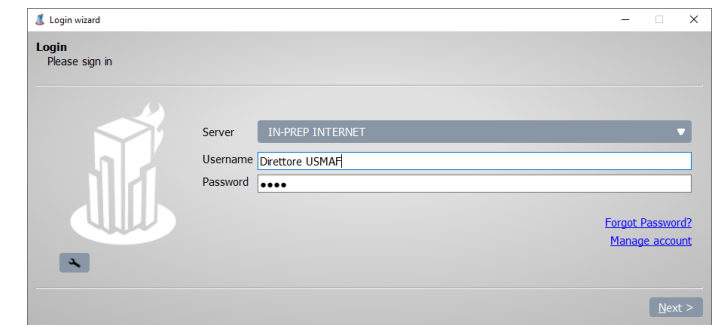
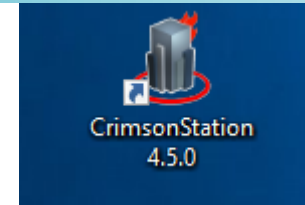
**Guillaume INGLESE**

**DIGINEXT**



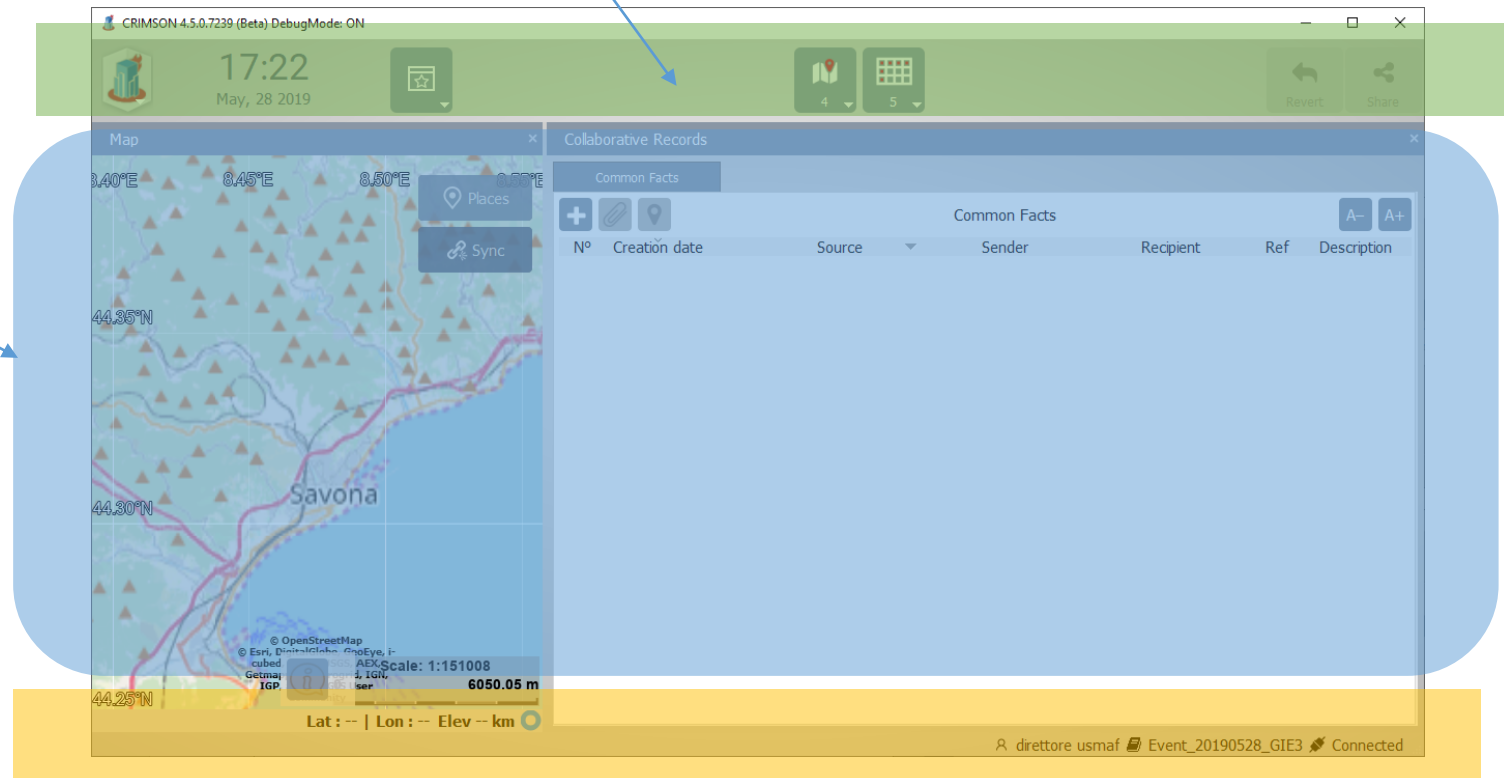
# COP User interface

- Start from desktop shortcut
- User log-in
  - Select inprep-online
    - (in-prep-local for the 05/12)
    - Enter your user name and password:
      - FOR NORTH: northg1 / 0123
      - FOR REP IR: repg1 / 0123
  - Select an Event
    - Event\_20191128



# COP User interface

- Header bar: Buttons (layouts, notifications, ...)
- Tabs
  - Map, Coll. Records, incidents
  - Modelling results
  - Drone Missions
- Footer bar
  - Logged-in user
  - Current event



# COP User interface

## ○ Header bar (from left to Right)

- Main menu: to quit

- Date/Time

08:44  
June, 04 2019



- Layout: To have the map and collaborative table displayed

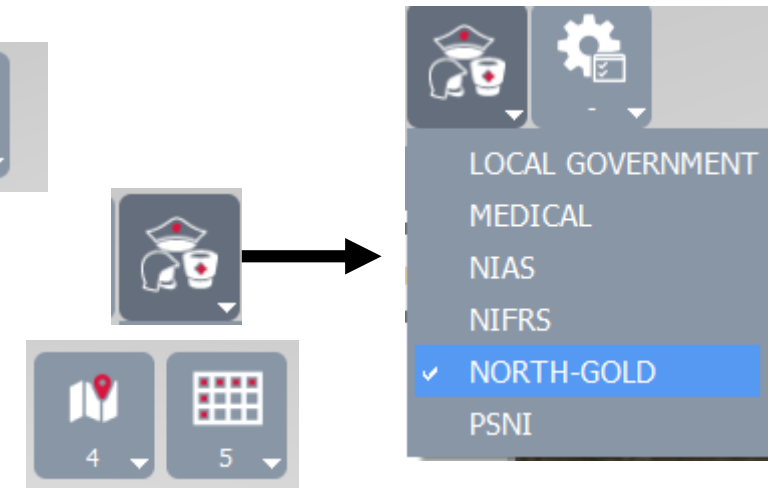


- Group visibility: to display/hide information from specific group

- Notifications button: when new information is available

- last buttons:

- Revert: to cancel a modification not yet shared
- Share: to send a modification
- Overview: to export information

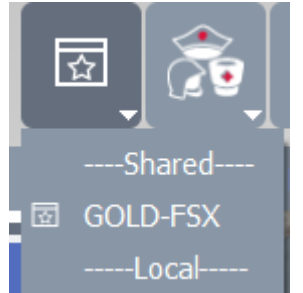


# COP User interface

## ○ Layout

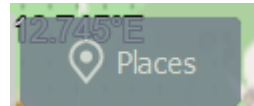


- select GOLD-FSX, the UI is split in 3 areas:
- Incident list tab
- The Map/3D tab
  - To add a UAV mission and see UAV position
  - To see Modelling Result layers
  - To see C2 resources/incident on the map
- last area with: Incidents details (and decision to tactical), coll. Records, Camera, Device and Modelling Results (MR)

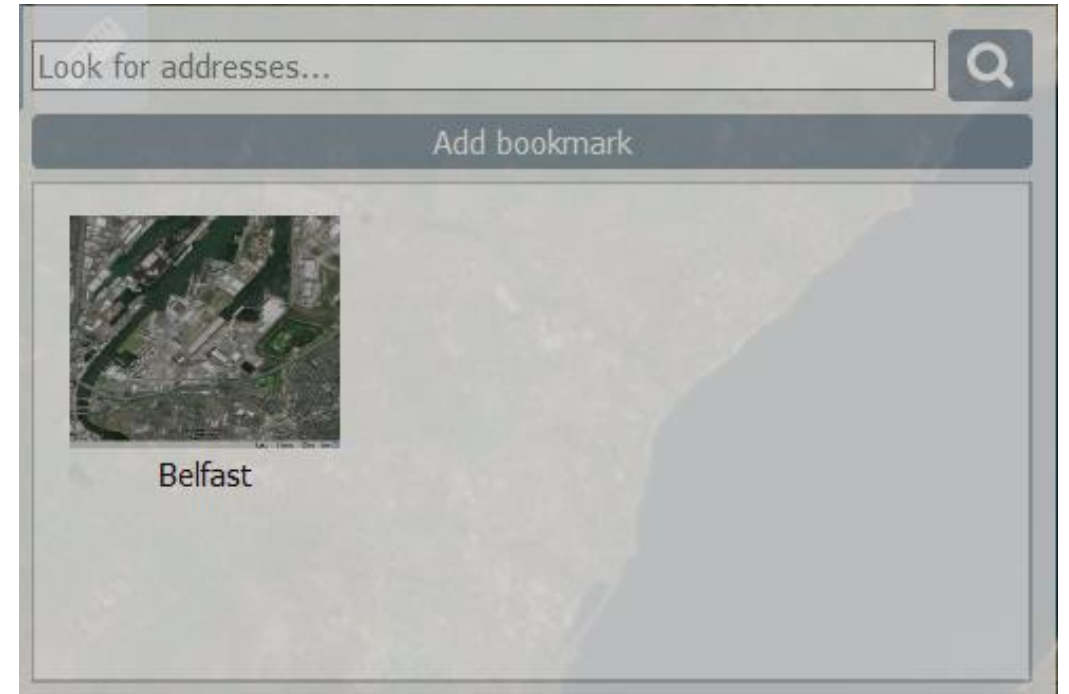


# COP User interface

- **Map Bookmark**

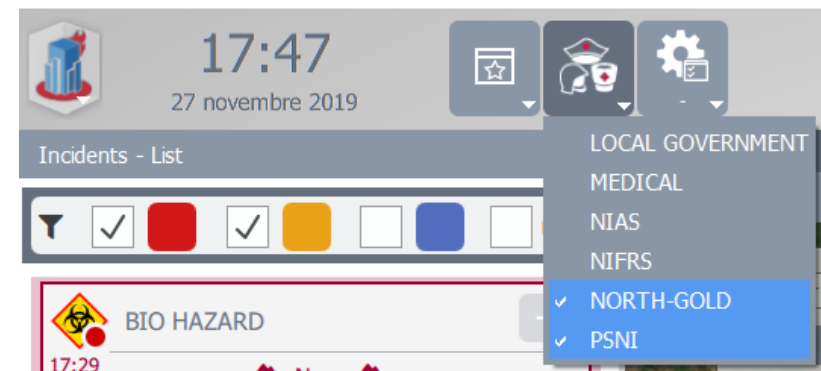


- In the map upper right corner
- Provide bookmarked view to specific area
  - Belfast
- New places can be added



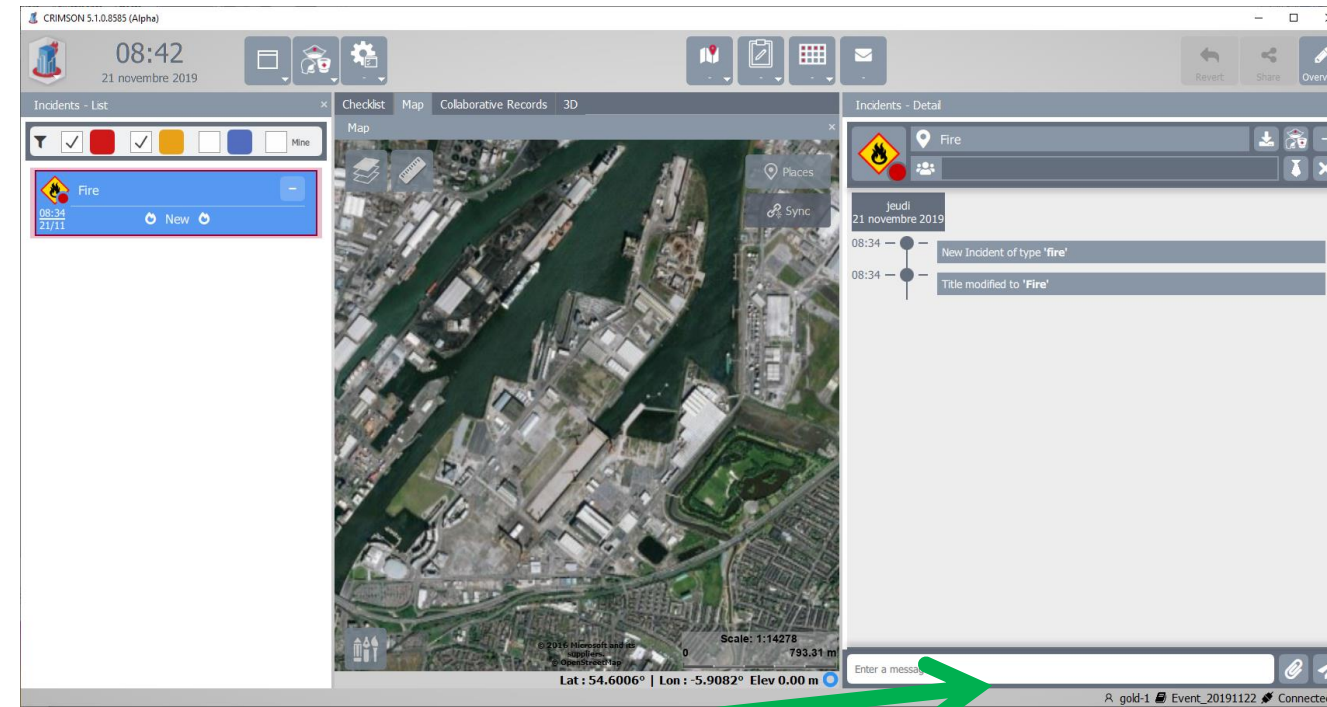
# COP User interface: information from/to Tactical

- Gold levels could have access to shared information from Tactical
  - Incidents: Location, textual information reported, Methane report
  - Resources: position and list
- To do so, user has to enable the agency layer (ex for PSNI)
  - Click on the Group visibility icon
  - Check the agency name line
  - => information is now visible



# COP User interface: Incident

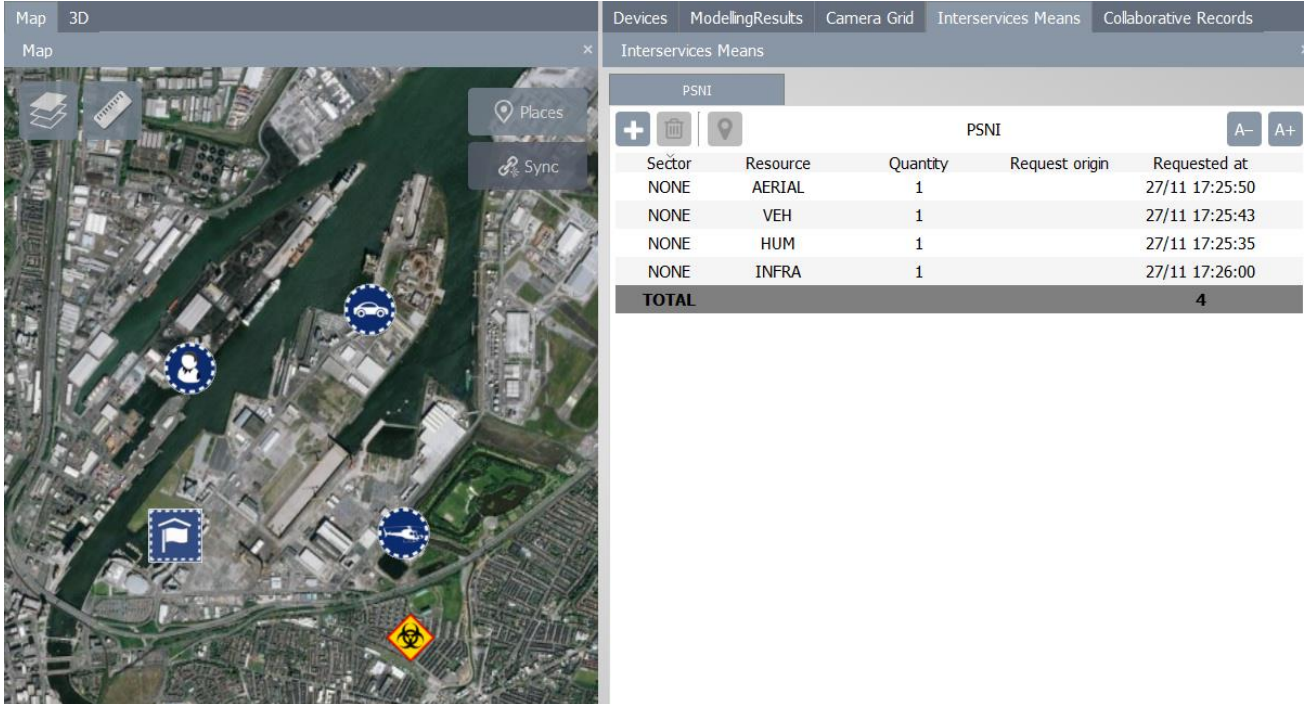
- First enabled C2 Organization layer
- **On the map:** icon showing the incident reported position
- **In the list and details tabs:** Information in a timeline (+ Methane report as attachments in coll. record)
- **Input:** send message/decision/order to C2 using the message area in the bottom area.





# COP User interface: Ressources

- /!\ First enabled C2 Organization layer
- **On the map:** icon showing the resources
- **In interservices means tab**
  - List of resource
- It is possible to display more than 1 C2 layer



The screenshot displays the COP User interface. On the left, a 3D map view shows a city area with a river and several blue circular icons representing resources. On the right, the 'Interservices Means' tab is active, showing a table with resource data.

Sector	Resource	Quantity	Request origin	Requested at
NONE	AERIAL	1		27/11 17:25:50
NONE	VEH	1		27/11 17:25:43
NONE	HUM	1		27/11 17:25:35
NONE	INFRA	1		27/11 17:26:00
<b>TOTAL</b>				<b>4</b>

# COP User interface: Gold level dedicated message

- In coll. Records, select INFO tab
  - Injects from SB
    - Media messages
    - Third party Messages
    - Gold messages sent
  - Recommendation from RE
  - METHANE reports from C2

DevicesModellingResultsCamera GridInterservices MeansCollaborative Records

Collaborative Records

TRANS BORDERNORTH INFO

+

NORTH INFO

A-A+

N°	Creation date	Source	Recipient	Description	Recap
3	27/11 17:23:14	northg1	northg1	METHANE	<input type="checkbox"/>
2	27/11 17:22:27	northg1	northg1	Recommendation from RE	<input type="checkbox"/>
1	27/11 17:21:41	northg1	northg1	Media message	<input type="checkbox"/>

# COP User interface: Gold level trans border message

- In coll. Records, select TRANS BORDER
  - Message from other Gold level + S-HELP
  - Message to other Gold Level + S-HELP
- Click on +
  - Enter recipient
  - Enter the message description
- Share

Devices

ModellingResults

Camera Grid

Interservices Means

Collaborative Records

Collaborative Records

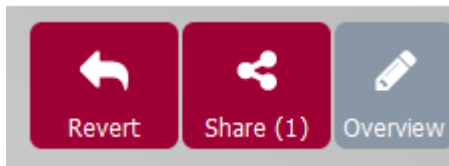
TRANS BORDER

NORTH INFO

+

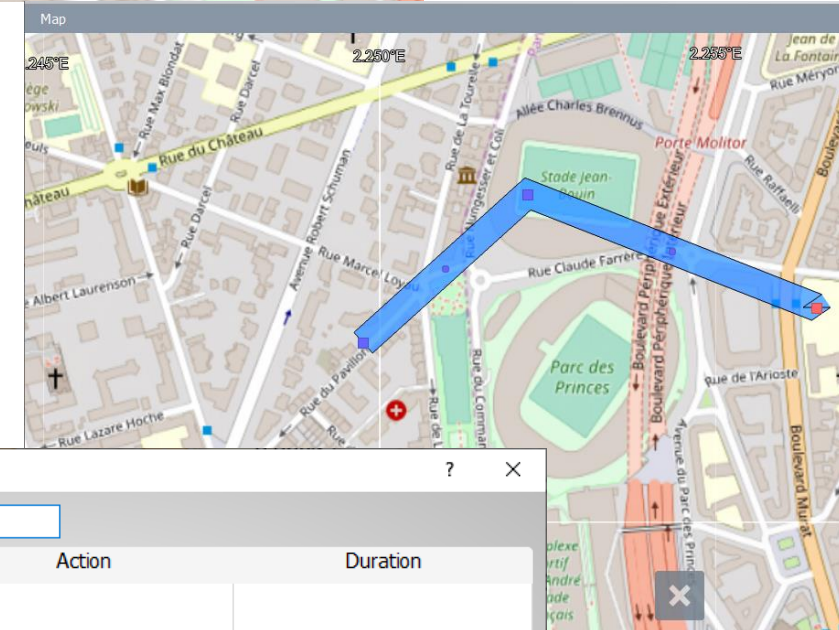
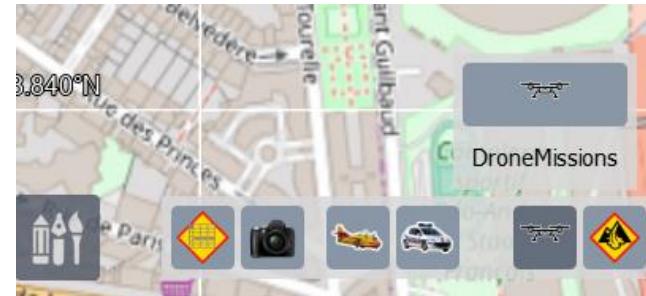
TRANS BORDER

Nº	Creation date	Source	Recipient	Description
1	27/11 17:21:10	northg1	rep ireland	A message from North to South



# COP User interface: Drone Mission

- On the map
  - From annotation Bar, click on Drone Missions
  - Click on the map to add waypoints, double click to finish
  - A popup window opens and display point list
    - Enter a mission name and validate
    - Share



Drone Mission

Name:

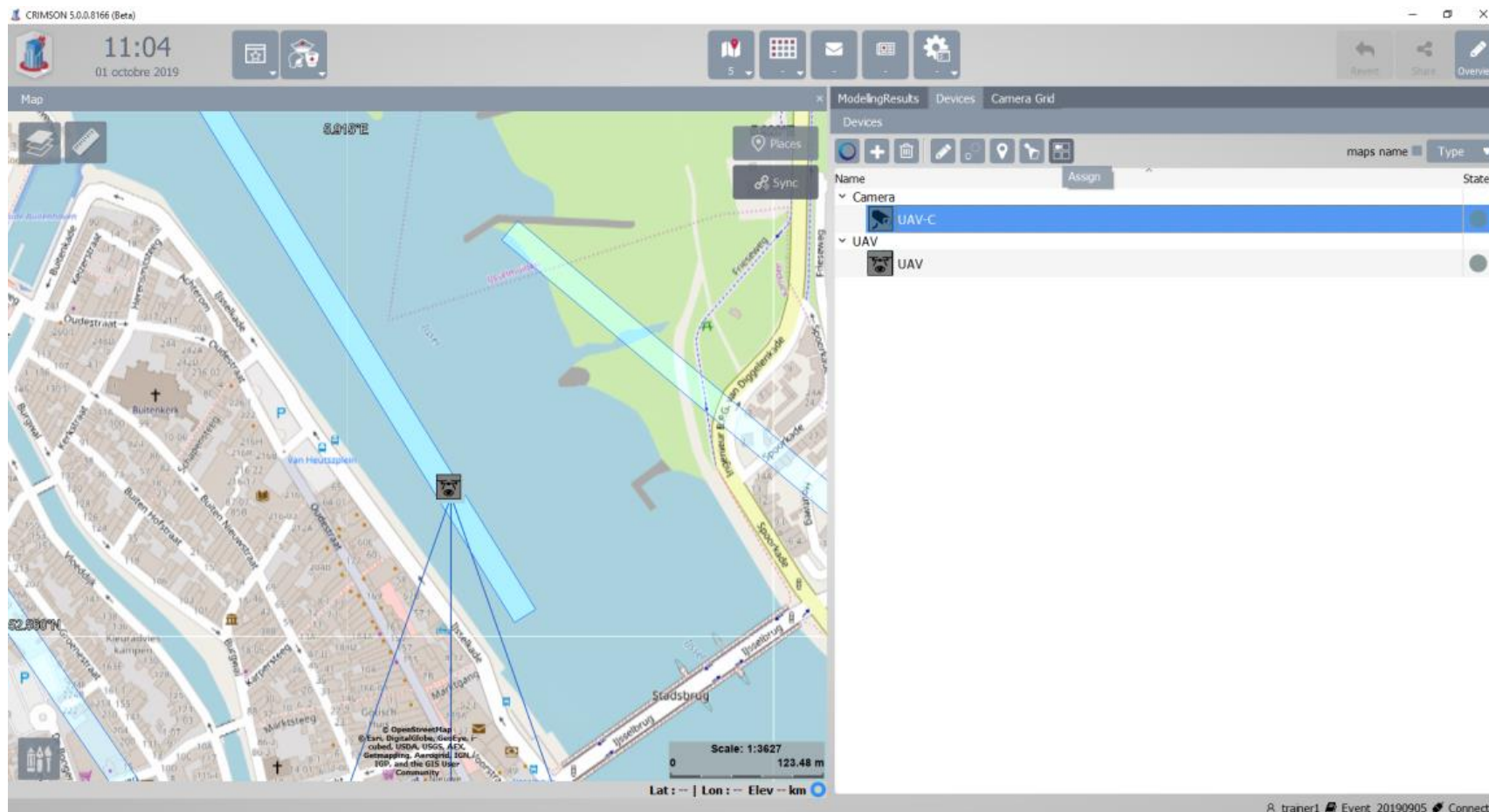
Index	Position	Action	Duration
0	2.24975386311 48.8417515571	0	
1	2.25220085128 48.8432098998	0	
2	2.25649667525 48.8421004894	0	

Ok Close



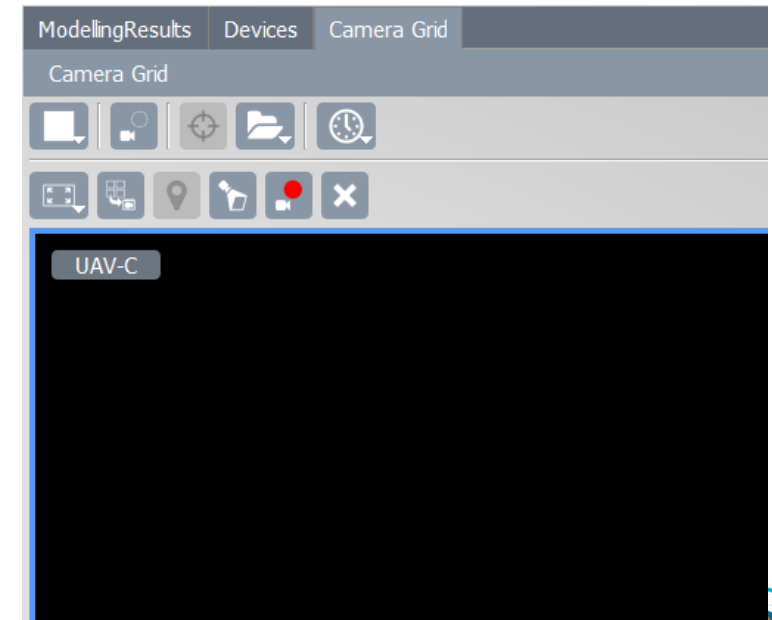
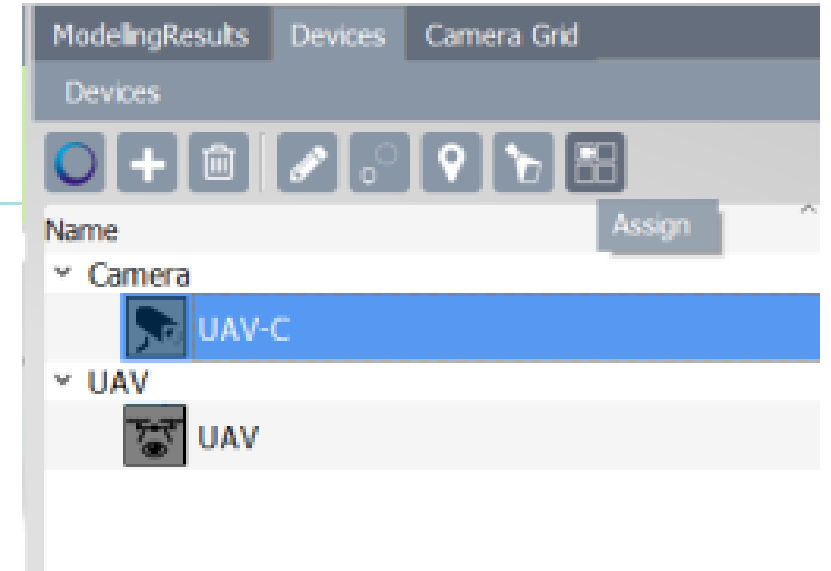
# COP User interface: Drone Position

- On the map: A drone icon is then visible



# COP User interface: Drone Stream

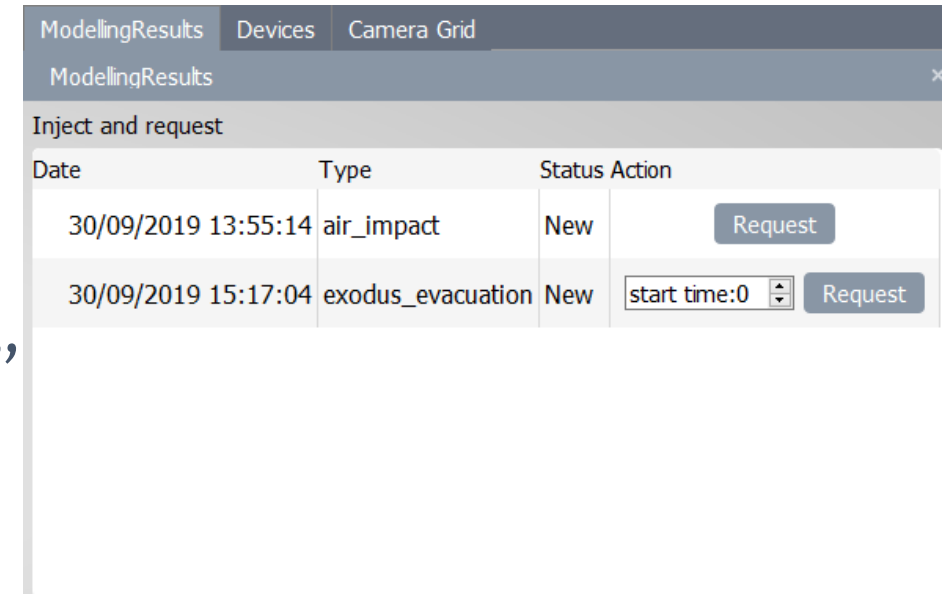
- In the Device List,
  - Select UAV-C and click on the “**Assign**” button
- The camera grid opens, click in one of the grid cell to start displaying the stream.





# COP User interface: Modelling Results (MR)

- When an inject is sent from SB
  - A new line is available in the upper panel
  - If no input is required, the user click on “*request*”
  - If an input is required, the user:
    - Select a value from the list
    - Click on “*request*” -> the status move to “*requested*”



ModellingResults			
ModellingResults			
Inject and request			
Date	Type	Status	Action
30/09/2019 13:55:14	air_impact	New	<button>Request</button>
30/09/2019 15:17:04	exodus_evacuation	New	<input type="text" value="start time:0"/> <button>Request</button>

# COP User interface: Modelling results

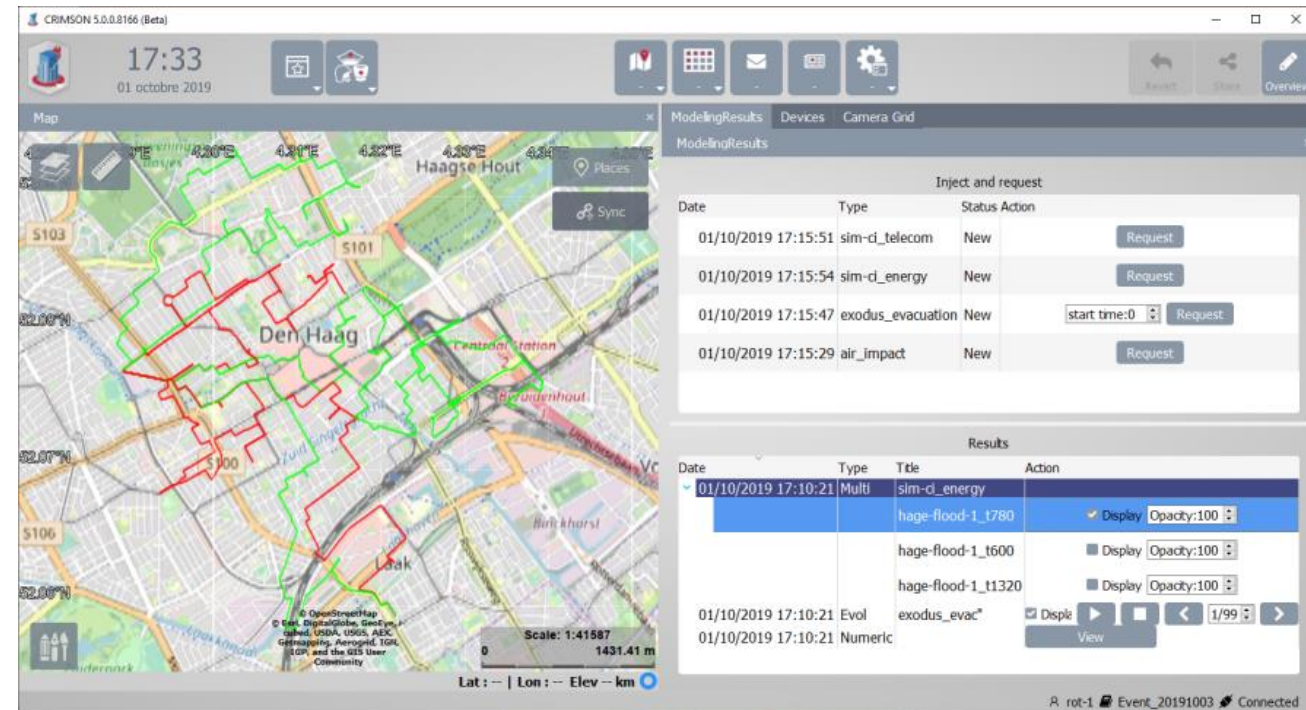
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- When the result is available
  - A new line is available in the lower panel
  - 3 cases:
    - **Static maps:** One or more raster that can be displayed on top of the map (flood, impacts, etc.)
    - **Dynamic maps:** A list of raster than can be animated to see the simulation (evacuation for instance)
    - **Numerical results:** A table with a list of parameters and their values.



# COP User interface: Modelling results

- Static maps
  - One line per raster is provided
  - User can display/hide the raster and adjust opacity
  - (Use bookmark to go to Den Haag)



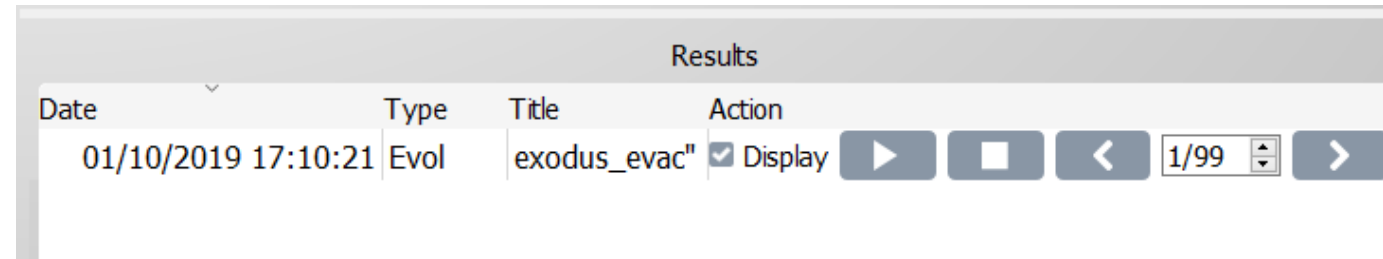
# COP User interface: Modelling results

- Dynamic maps (evacuation case)

- One line is provided with options

- User can

- Display/hide the result by checking the check box
    - Play an animation to display one layer after the other by clicking on the "**play**" button (and stop it)
    - Display a specific step or move step by step (forward or backward)



The screenshot shows a web interface titled "Results". It contains a table with the following data:

Date	Type	Title	Action
01/10/2019 17:10:21	Evol	exodus_evac"	<input checked="" type="checkbox"/> Display

Below the table, there are several control buttons: a play button (triangle), a stop button (square), a back button (left arrow), a page indicator "1/99", and a forward button (right arrow).

# COP User interface: Modelling results

- Dynamic maps (evacuation case)
  - Blues rectangles will be displayed at the location => use bookmark to go to Spoleto

The screenshot displays the CRIMSON 5.0.0.8166 (Beta) user interface. The top bar shows the time 11:23 on 02 octobre 2019. The main map area shows a street map of Spoleto with blue rectangles indicating evacuation zones. The right panel contains a table of modelling results.

**ModellingResults**

Date	Type	Status	Action
02/10/2019 08:28:58	air_impact	New	<button>Request</button>

**Results**

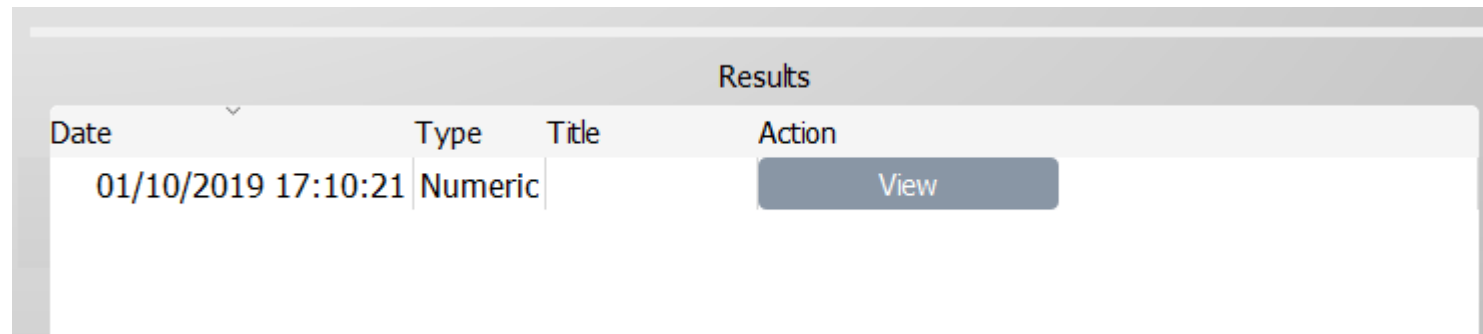
Date	Type	Title	Action
02/10/2019 08:26:35	Numeric		<button>View</button>
02/10/2019 08:26:35	Evol	exodus_evacuation	<input checked="" type="checkbox"/> Dis <span>▶ ◻ ◀ 41 ▶</span>
> 02/10/2019 08:26:35	Multi	sim-cl_energy	

Scale: 1:8707  
0 358.08 m  
Lat : 42.7445° | Lon : 12.7415° Elev 0.00 m

rot-1 Event\_20191003 Connected

# COP User interface: Modelling results

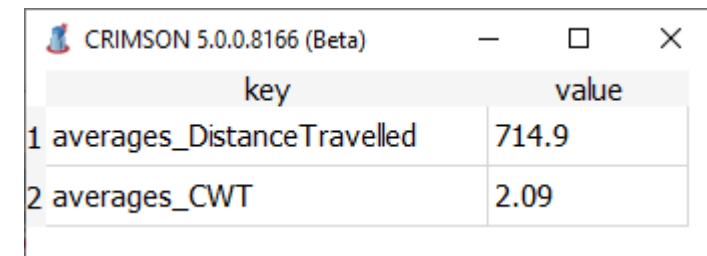
- Numerical results
  - A view button is available for each time a numerical result is available



A screenshot of a web application interface showing a table titled 'Results'. The table has four columns: 'Date', 'Type', 'Title', and 'Action'. The first row contains the date '01/10/2019 17:10:21', the type 'Numeric', and a 'View' button in the 'Action' column. The 'Title' column is empty for this row.

Date	Type	Title	Action
01/10/2019 17:10:21	Numeric		<button>View</button>

- Clicking on view open a popup with a table
  - 1 line per parameter name/value



A screenshot of a popup window titled 'CRIMSON 5.0.0.8166 (Beta)'. It contains a table with two columns: 'key' and 'value'. The table has two rows of data.

key	value
1 averages_DistanceTravelled	714.9
2 averages_CWT	2.09





**Thank you for  
your attention**

**Any questions?**



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