

**ON THE TRAIL OF THE NIOVELIUS CASE**

**NIOVELIUS**

# **Solutions booklet**



Co-funded by the European  
Union Civil Protection



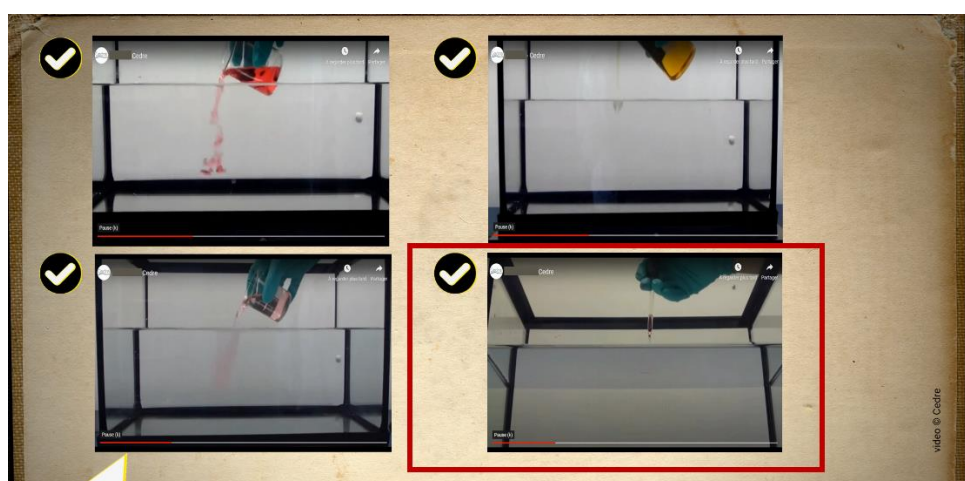
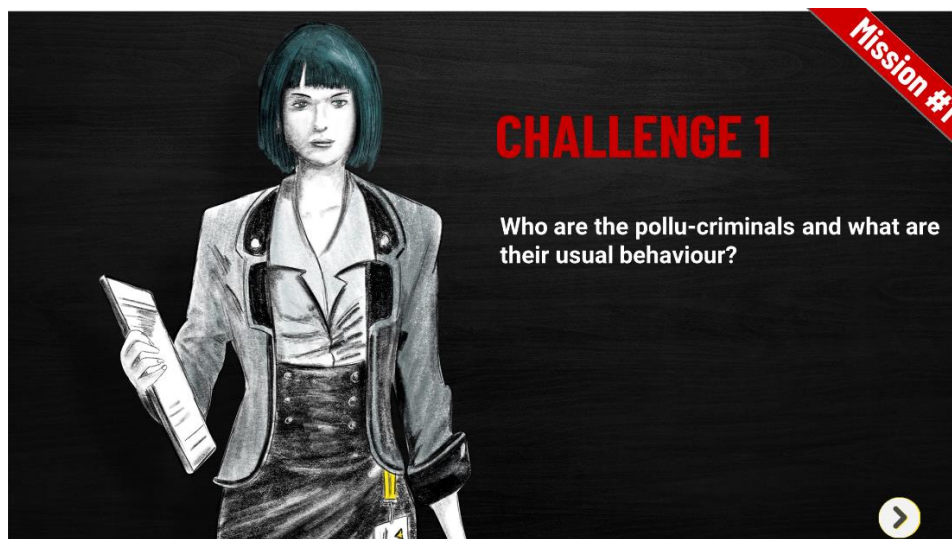


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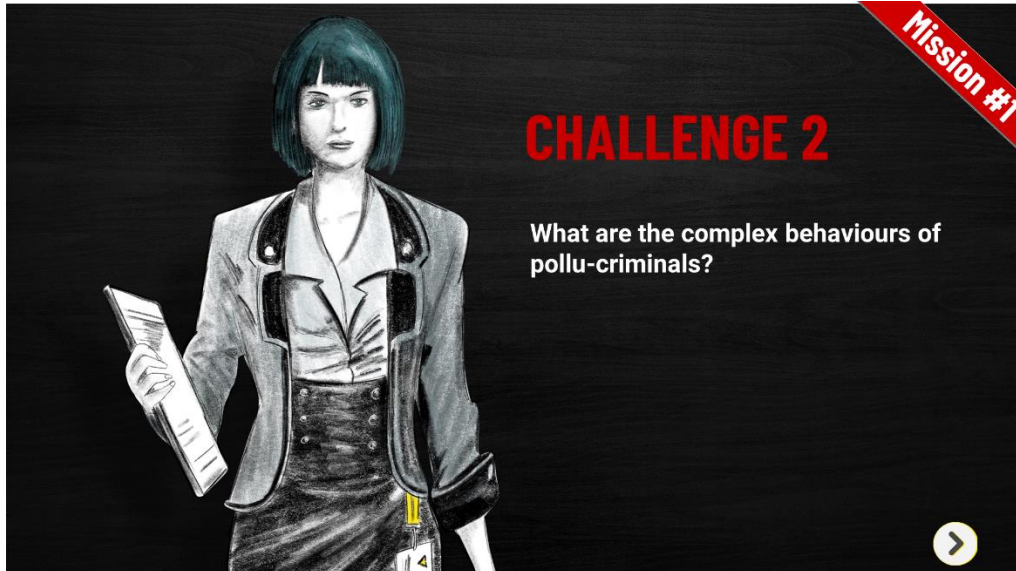
## Mission 1 – Challenge 1



To validate your answer, click on the validation button on the left of the video showing the behaviour of the pollu-criminals family described by the witnesses.





## Mission 1 – Challenge 2



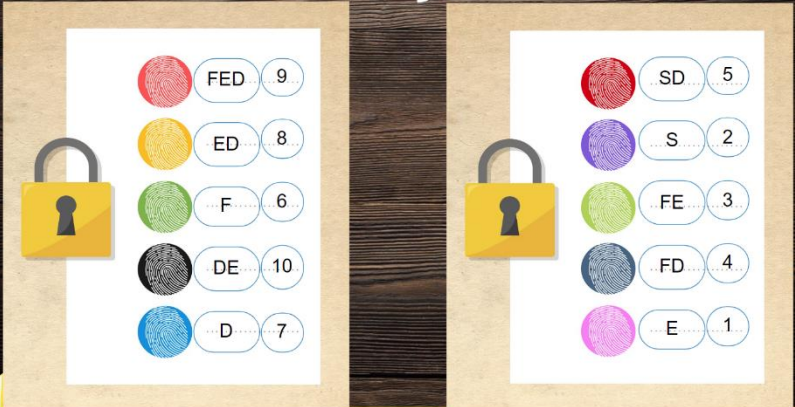
**MISSION #1**

# CHALLENGE 2

What are the complex behaviours of pollu-criminals?



## Build the right codes




Panel 1 (Left):

- Red fingerprint: FED 9
- Yellow fingerprint: ED 8
- Green fingerprint: F 6
- Black fingerprint: DE 10
- Blue fingerprint: D 7

Panel 2 (Right):

- Red fingerprint: SD 5
- Purple fingerprint: S 2
- Green fingerprint: FE 3
- Blue fingerprint: FD 4
- Pink fingerprint: E 1

Move vertically behaviour codes (letters) and numbers to compose each code




## Mission 1 – Challenge 3



# CHALLENGE 3


What are the modus operandi of the pollu-criminals and what threats do they pose?



**Pollution scene**

**Crime scene from POLLU-CRIME 1**

While carrying out a transfer of 118 pollu-criminals, the container ship DENARIA, which had just left the port, ran aground 100 metres from the shore. Amongst these pollu-criminals, the aromatics gang took advantage of the disturbance and managed to escape dangerously towards the city.



**Criminal record**


Behaviour: FE

**MARITIME POLLUTION CRIME 1**



December 1988  
The container ship DENARIA ran aground 100 metres from the shore. Amongst these pollu-criminals, the aromatics gang took advantage of the disturbance and managed to escape dangerously towards the city.

**Police Academy  
Special Action Forces  
Against Pollu-criminals**



**Location**



**Weapons used**

**The impacts**







Behaviour: ID



**MARITIME POLLUTION CRIME 2**


December 1988  
The container ship DENARIA ran aground 100 metres from the shore. Amongst these pollu-criminals, the aromatics gang took advantage of the disturbance and managed to escape dangerously towards the city.

**Police Academy  
Special Action Forces  
Against Pollu-criminals**









**Pollution scene**

**Crime scene from POLLU-CRIME 2**

During a transfer of 8,000 pollu-criminals of the acids gang, the chemical tanker EL LIA sank in the Bay of Biscay, on a seabed of 4,600 to 4,800 metres, about 120 nautical miles north of La Coruña. The pollu-criminals managed to escape.



**Criminal record**


Behaviour: ID

**MARITIME POLLUTION CRIME 2**


December 1988  
The container ship DENARIA ran aground 100 metres from the shore. Amongst these pollu-criminals, the aromatics gang took advantage of the disturbance and managed to escape dangerously towards the city.

**Police Academy  
Special Action Forces  
Against Pollu-criminals**



**Location**



**Weapons used**



**The impacts**








Behaviour: FE



**MARITIME POLLUTION CRIME 1**


December 1988  
The container ship DENARIA ran aground 100 metres from the shore. Amongst these pollu-criminals, the aromatics gang took advantage of the disturbance and managed to escape dangerously towards the city.

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## What happened?

What is the criminal record of this pollu-criminal?

Sulfuric acid

What weapon did he use?

Toxic cloud

What is the location of the scene of the pollu-crime?

Harbour

Who were his victims?



crew members

What device is used by pollu-criminal to manage to escape?

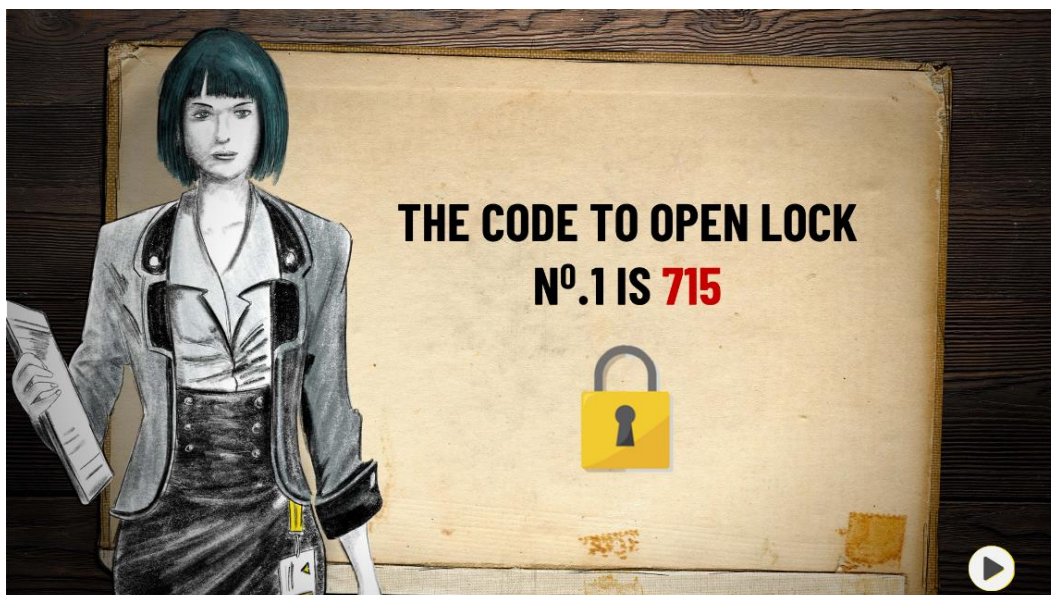
Ventilation system

Is this a coherent situation?

No

NEWS FROM THE SEA  
THE POLLU-CRIMINAL GAVE HIS  
TOXIC CLOUD

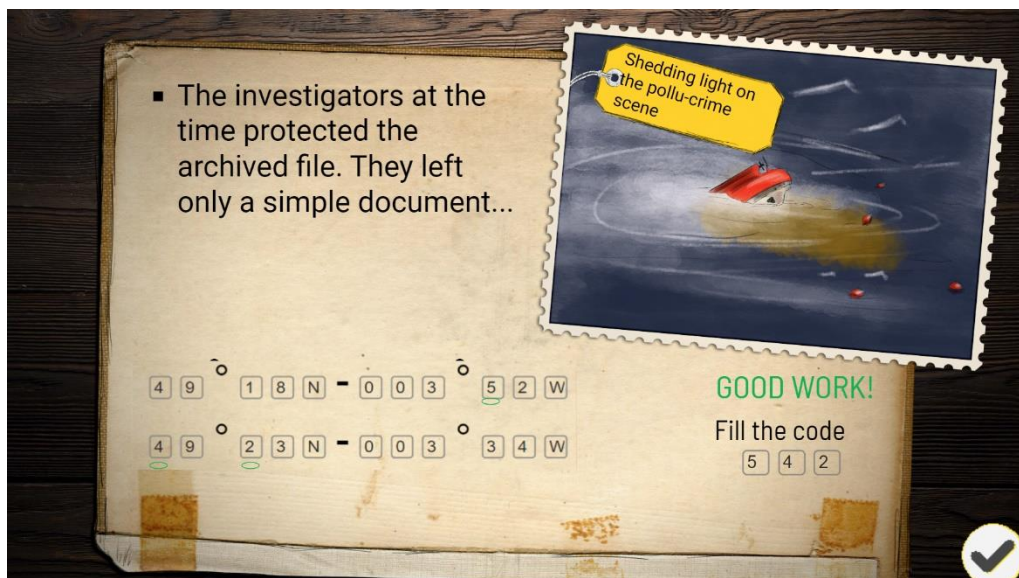




## Mission 2 – Shed light on a cold case



/!\ Use the UV lamp on the back of the sinking ship image to see the ship's coordinates /!\



## Mission 2 – Timeline

### Reconstruction of the facts of the NIOVELIUS case

**Day Month**  
30.10  
**Time**  
04 30

**Day Month**  
31.10  
**Time**  
14 00

**Destination**  
Cherbourg

**Location of the ship**  
45 nautical miles. — of the island of Batz  
Number (figures) / unity

**Type of ship**  
Chemical tanker

**Name of the rescue centre receiving the distress message**  
CROSS CORSEN

**EVENT**


**EMERGENCY RESPONSE**

**IN PROGRESS**

**MADE**

Using the timeline and images, reconstruct the facts of the buried crime..... don't forget to validate your answers to go on to the next step.





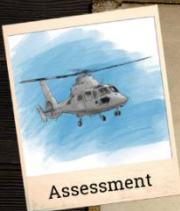
### Summary of the first actions

By whom and when was the distress call made?  
 Whom : **Ship Captain ou Vessel Captain**  
 When : **October the 30th at 4.30 am**

Who receives the distress call and remains in direct contact with the ship's captain throughout the management of the event ?  
**Cross Corsen**

What is the problem described at the time of the distress call?  
**Structural weakness and damage**






Where was the ship spotted?  
**45** Nautical miles from the island of **Batz**



### Summary of the first actions

What is the role of the assessment team sent to the incident area?  
**Understand the situation of the vessel in distress**

What is the emergency decision taken by this team?  
**Airlifting/evacuation of the 14 crew members**

### Summary of the first actions

With the information at your disposal, what do you think are the undesirable hazards associated with the risk of maritime pollution?  
*Multiple-choice answer (two answers expected) :*  
**Water leakage, risk of sinking and risk of cracking, followed by a spill at sea**  
**Difficult to say without the cargo manifest**

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# NIOVELIUS



## **Design**

Mélanie Secheppet  
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## **Funder**

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## **Graphic design and illustrations**

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## **Videos and illustrations strips**

