

ON THE TRAIL OF THE NIOVELIUS CASE

NIOVELIUS

Solutions booklet



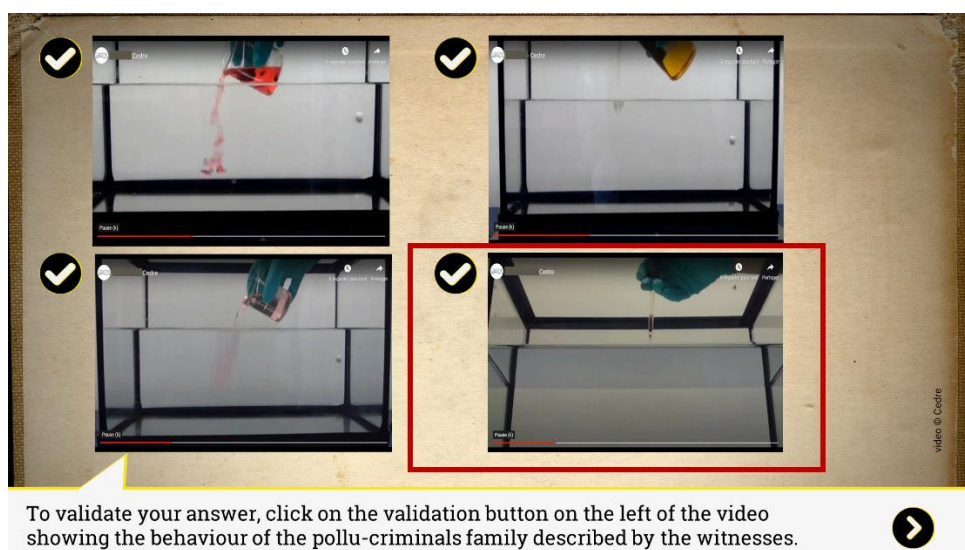
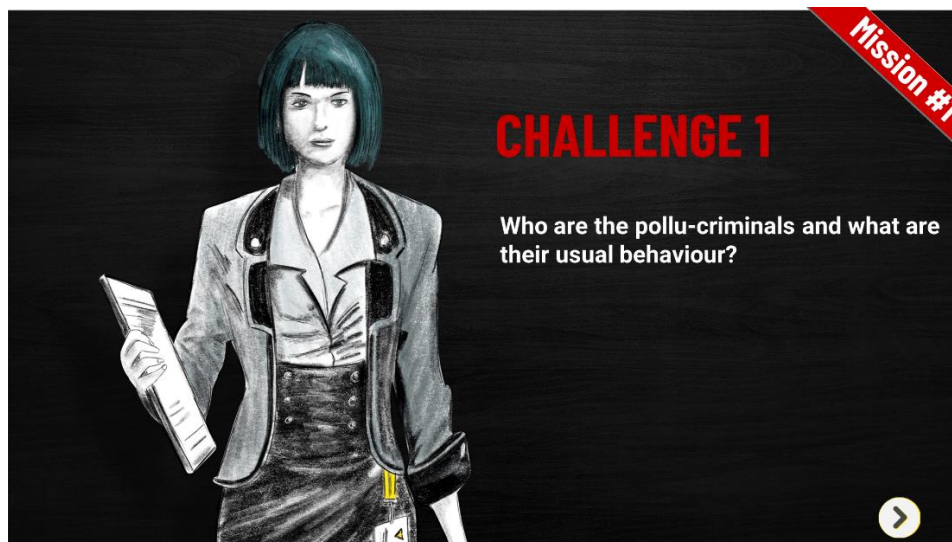
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Mission 1 – Challenge 1





Mission 1 – Challenge 2



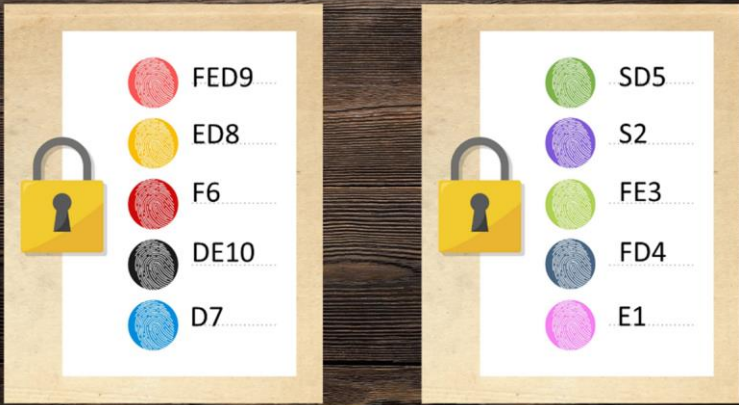
MISSION #1











CHALLENGE 2

What are the complex behaviours of pollu-criminals?




ENTER YOUR CODES

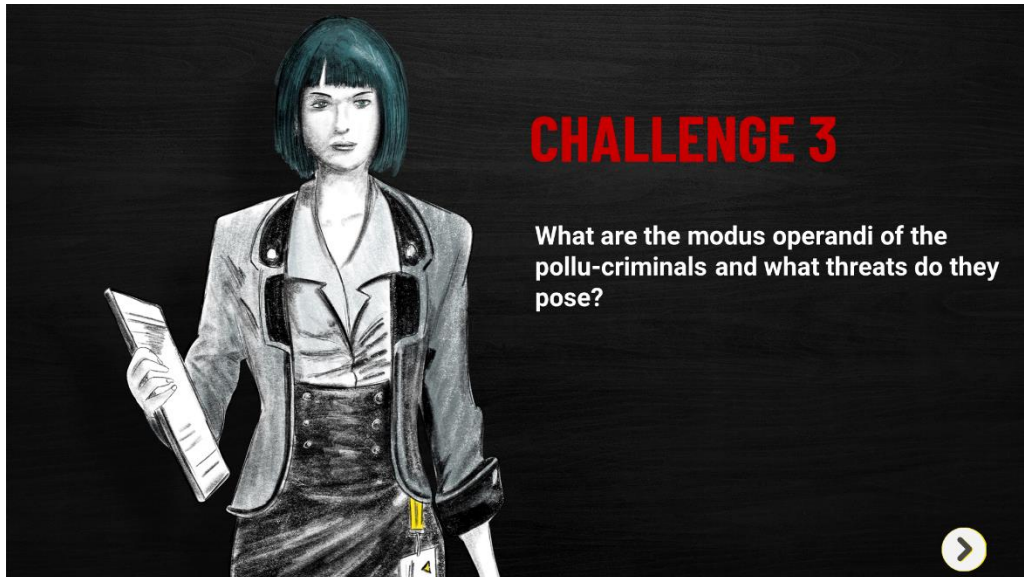


Left Panel	Right Panel
 FED9	 SD5
 ED8	 S2
 F6	 FE3
 DE10	 FD4
 D7	 E1

Each code is composed of letters and numbers



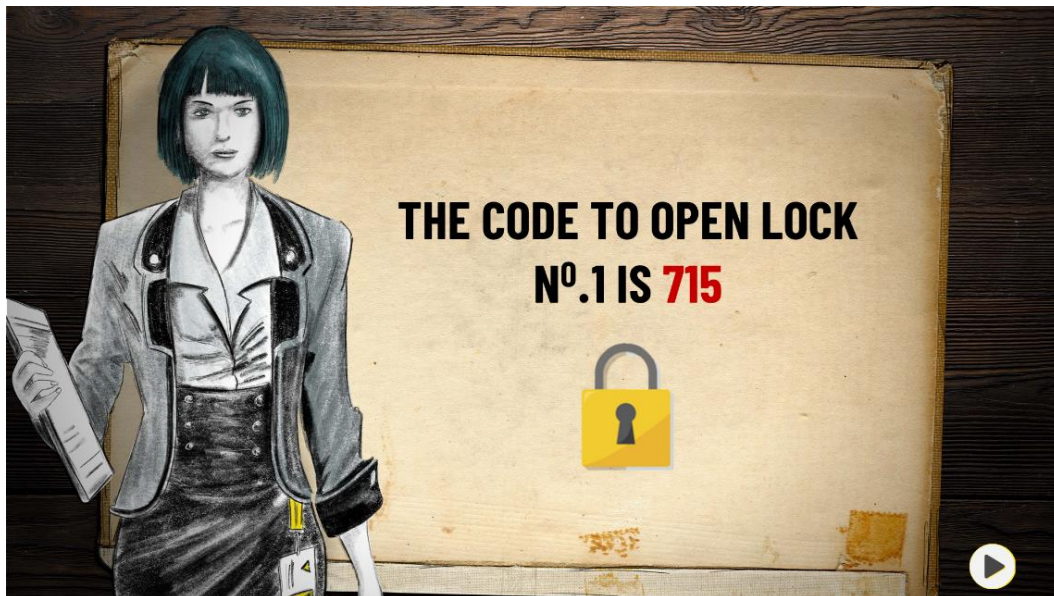
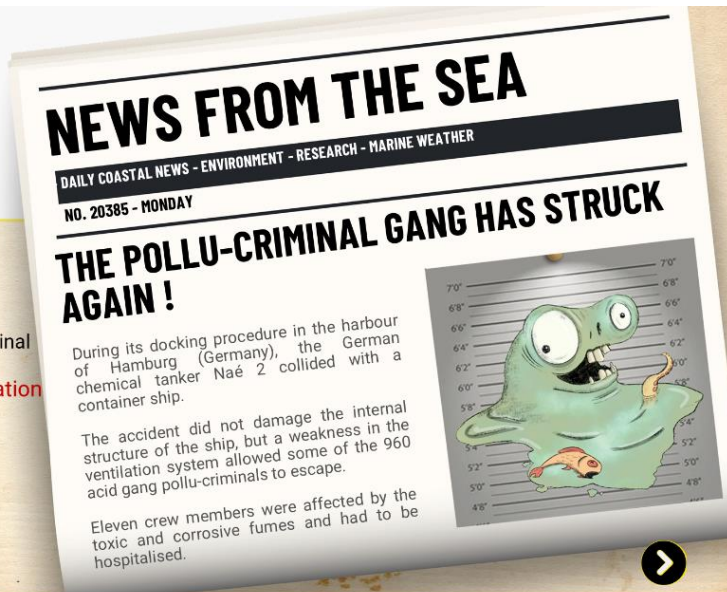
Mission 1 – Challenge 3



Drag and drop images

Now that you have identified two different modus operandi, take a closer look at these facts reported by the local newspaper...

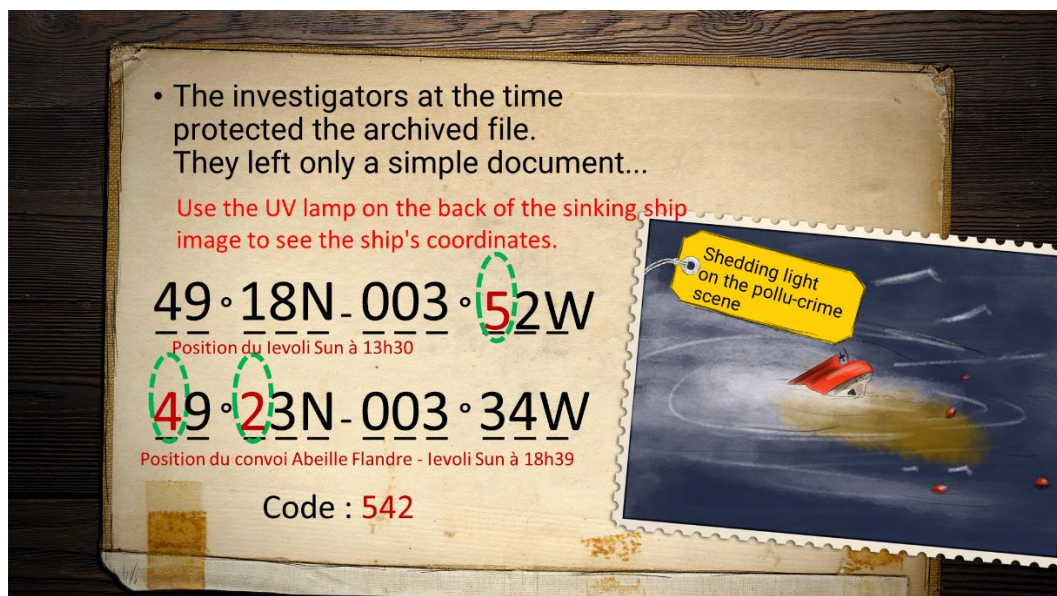
- What is the criminal record of this pollu-criminal?
Sulfuric acid
- By which device did the pollu-criminal manage to escape?
Ventilation system Or Ventilation
- What weapon did he use?
Toxic cloud
- Who are his victims?
Crew members Or 11 crew members Or Crew
- Is this a coherent situation?
No



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
31.10

Time
14:00

Destination
Cherbourg

Time
17:15

Time
14:30

Time
09:02

Time
08:05

Day:Month
30.10

Time
04:30

EMERGENCY RESPONSE

IN PROGRESS

EVENT

Type of ship
Chemical tanker

Name of the rescue centre receiving the distress message
CROSS CORSEN

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

Grid of 16 images:

- Image 1: A white ship on the water.
- Image 2: A red and white ship on the water.
- Image 3: A white ship on the water.
- Image 4: A white ship on the water.
- Image 5: A white ship on the water.
- Image 6: A white ship on the water.
- Image 7: A white ship on the water.
- Image 8: A white ship on the water.
- Image 9: A white ship on the water.
- Image 10: A white ship on the water.
- Image 11: A white ship on the water.
- Image 12: A white ship on the water.
- Image 13: A white ship on the water.
- Image 14: A white ship on the water.
- Image 15: A white ship on the water.
- Image 16: A white ship on the water.

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 ?

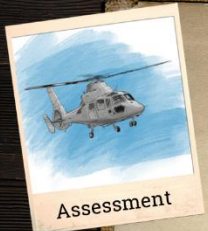
Cross Corsen

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

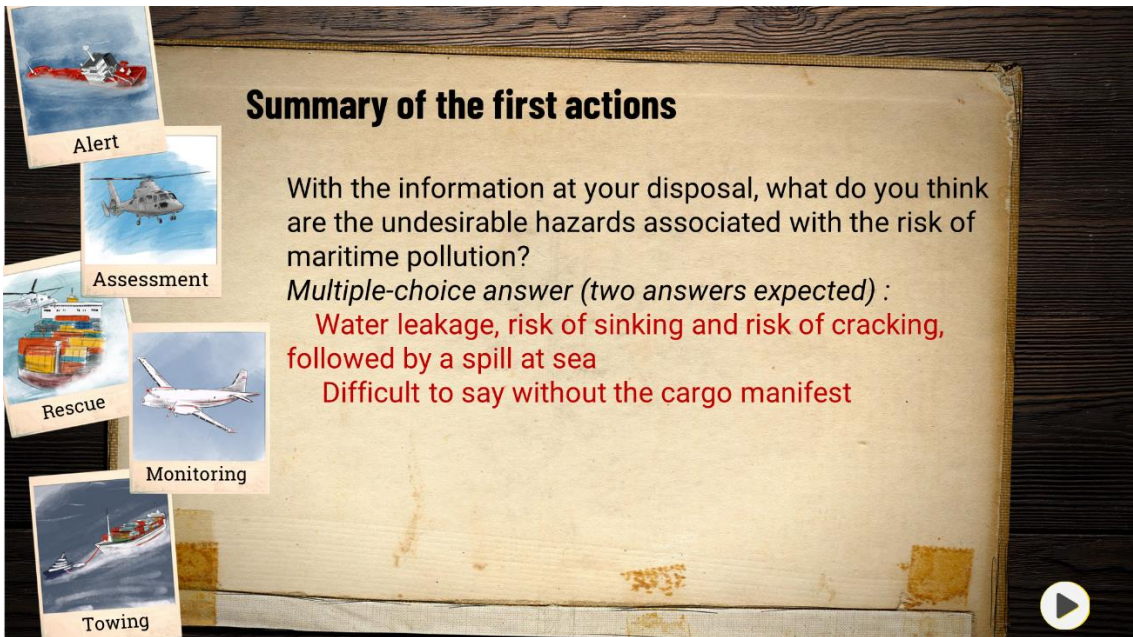
What is the role of the assessment team sent to the incident area?

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

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