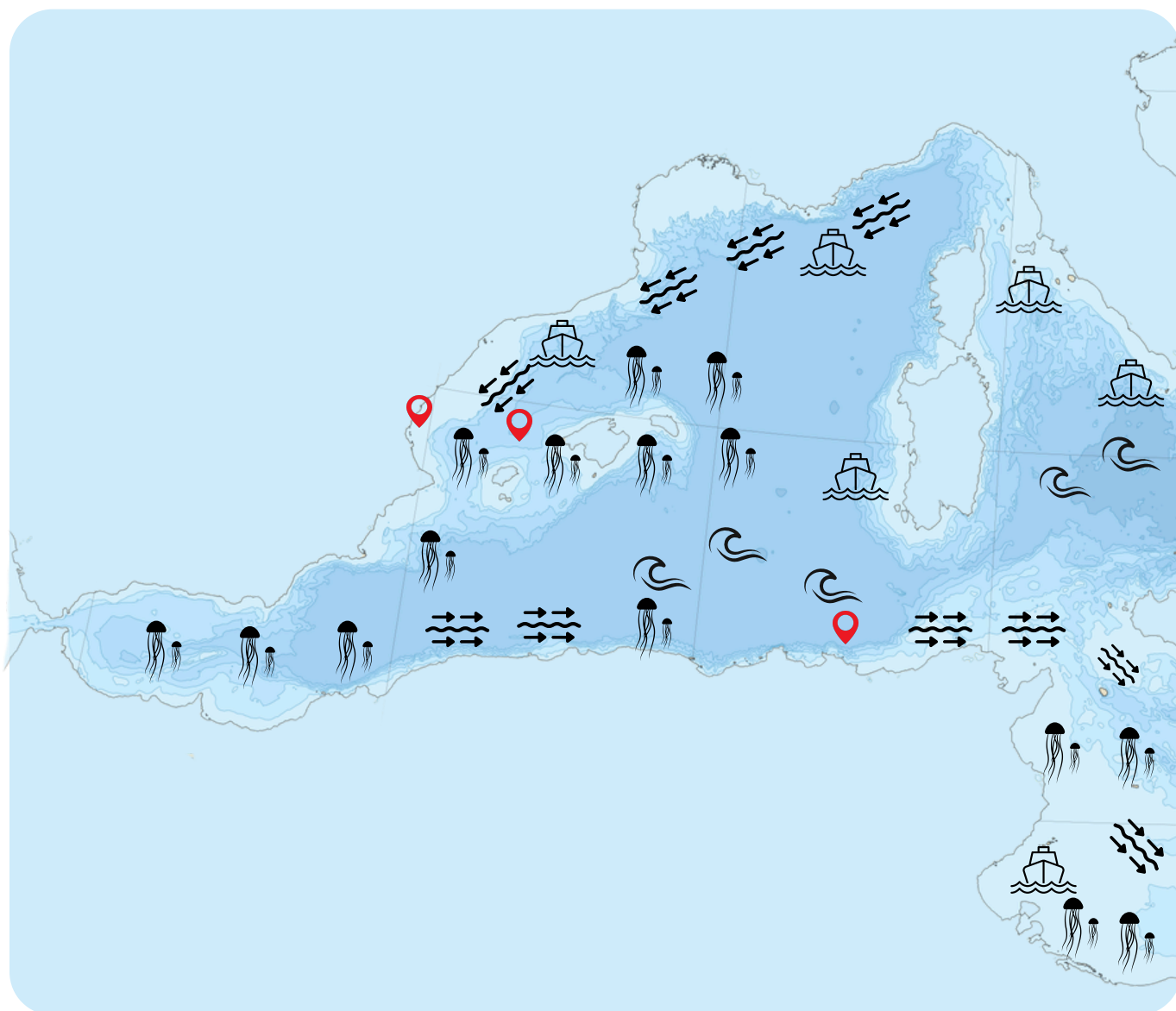


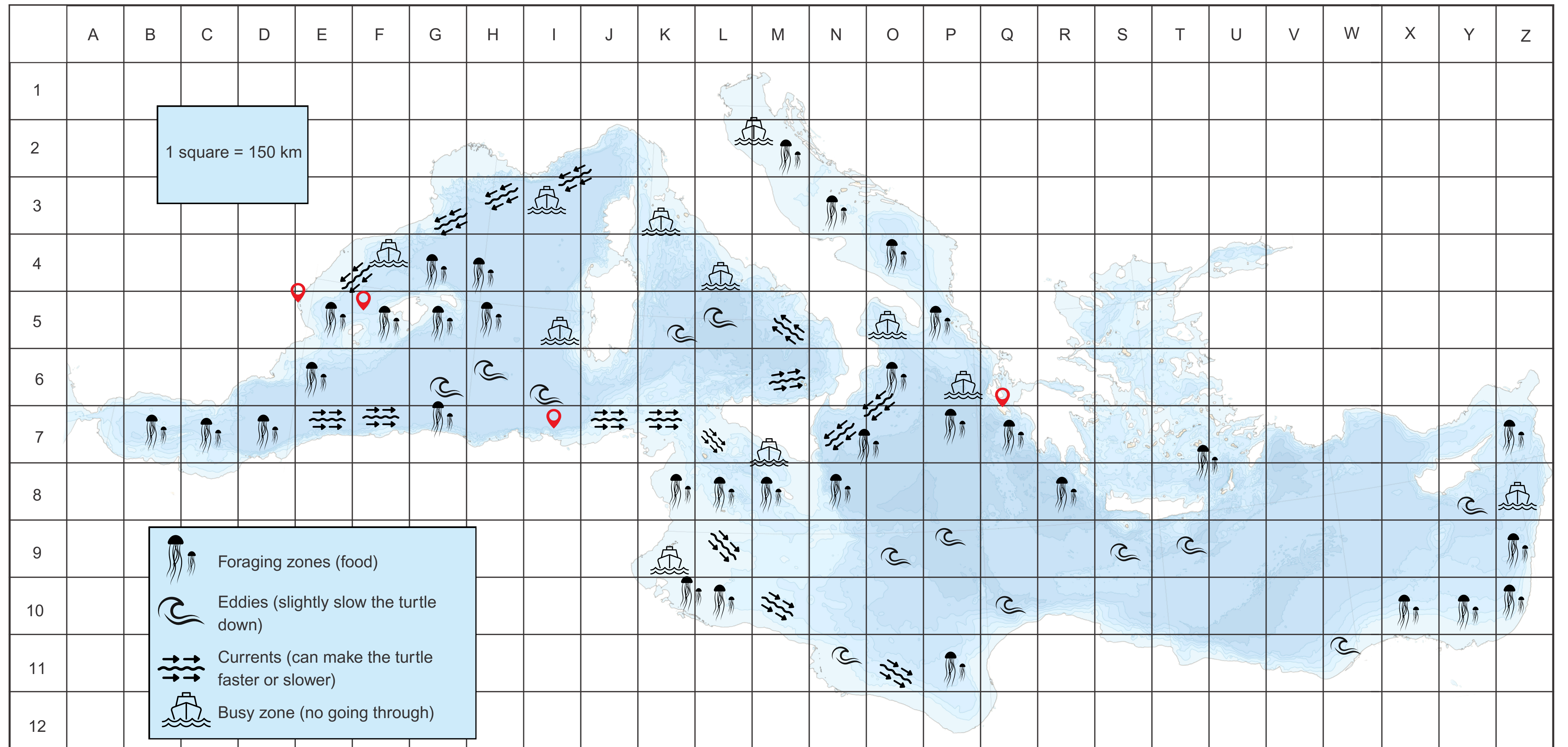
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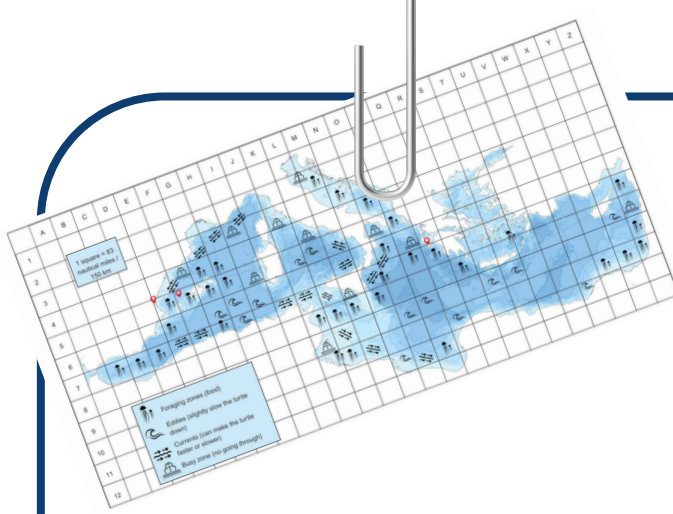
ENIGMATHICQ

ACTIVITY 3

A long journey







Mission 3:

A long journey

Mission sheet 1

TOOLS

- The map of the Mediterranean (laminated)
- Markers
- A calculator
- A turtle mini figure



HOW TO

Scientists track sea turtles with GPS to protect their journeys. But the signals only show some points, not the whole route. Your team will use the map and the symbols to trace her possible journey from the release point (E5) to the last signal (I7).

SYMBOLS CARD



Feeding zones (food)

Safe areas where Luna finds food and energy.

➔ She must pass through them to stay strong.



Eddies (small swirls)

Little swirls in the sea. Luna can cross them, but they slow her down.

➔ Better to avoid them if possible.



Currents

Sea currents that can either help or hinder.

➔ If they go the same way as Luna → she moves faster.

➔ If they go the opposite way → she struggles and moves slower.



Busy zones

Areas with many ships or fishing activity.

➔ Too dangerous, Luna will not go through.

TEAM ROLES

Navigator: Decides the direction based on the map
Name: _____

Recorder: notes down the coordinates and reasons
Name: _____

Distance Master: calculates the distance in km
Name: _____

Presenter: Shares the team's results with the class.
Name: _____

OBSERVE

Look at the map. Luna starts at E5 and the last GPS signal is at I7.

- Which way could she travel?
- What do the symbols show about safe and dangerous zones?



TRY!

- Move the turtle figure step by step on the map.
- Remember: she must pass through at least one feeding zone.
- Avoid busy zones.
- Decide what to do with the currents and the eddies.
- She ends in I7

Step	Coordinate	Symbol	What happens there?	Distance (Km)
1	E5			
2				
3				
4				
5				
6				
7				
8				
9				

THINK & DISCUSS

- Was your route the shortest, the safest, or a mix of both?

- How did the currents and eddies affect your choices?

- Could Luna have taken another path?

Mission 3:

A long journey

Mission sheet 2



HOW TO

From the last GPS signal at I7, Luna still has a long way to go before reaching Laganas Beach (Q6) in Zakynthos, one of the most important nesting places in the Mediterranean. The sea is full of choices and dangers. Your team must guide her to safety by planning the best route.

TRY!

- Move Luna from I7 to Q6.
- She must pass through at least one feeding zone to stay strong.
- She cannot cross busy zones.
- Decide what to do when encountering currents or eddies.
- Which path will you choose: the shortest, the safest, or a mix of both?

Step	Coordinate	Symbol	What happens there?	Distance (Km)
1	I7		GPS signal	
2				
3				
4				
5				
6				
7				
8				



Step	Coordinate	Symbol	What happens there?	Distance (Km)
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

THINK & DISCUSS

- Was your route the shortest, the safest, or a mix of both?

- How did the currents and eddies affect your choices?

- Could Luna have taken another path?

Mission 3:

A long journey

Mission sheet 3



STORM AT SEA

Just as Luna was approaching Zakynthos, a sudden storm pushed it off course. The strong currents carried it into another area of the coast (P6). Something here looks different...



THINK

- Why can turtles survive natural events like storms, but not the loss of safe nesting beaches?

- What does this show about the importance of human action in protecting turtles?

CLOSING REFLECTION

One thing I discovered...

One question I still have...

One action I think humans should take...

Turtle mini figures

