

«Me&Map»

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Goal of the exercice

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Get connected to a web service (Googlemap)

- Fetch GPS coordinates from an address
- Parse the XML answer from the server
- Position a MKMapView on this location
- History of addresses
 - ▶ On a separate view

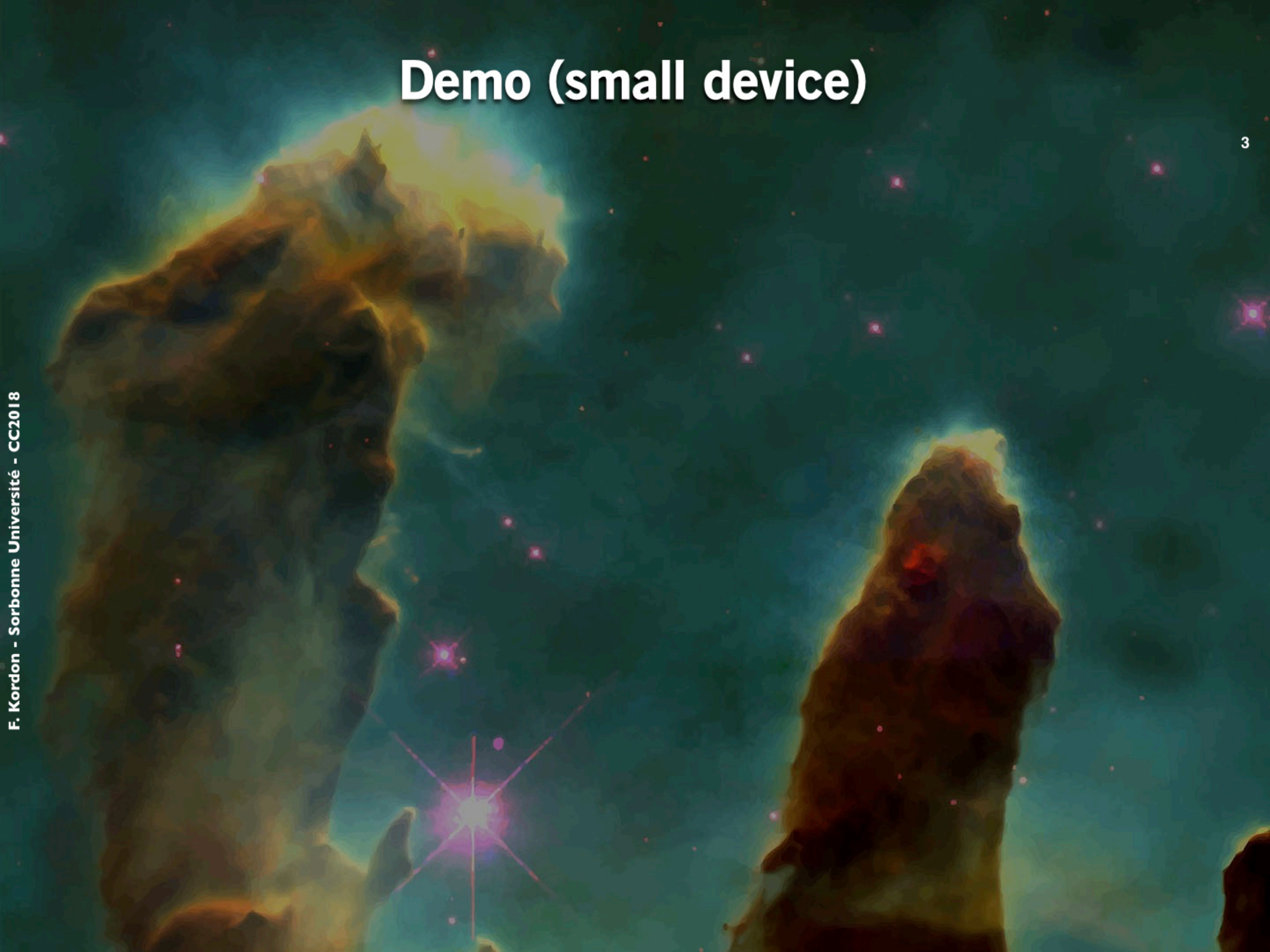
Different handling for small/large devices

- Small device = TabBar
- Large device = UISplitView

Persistent storage

- A dedicated button to save the history
- Automated load of the saved history at launch

Demo (small device)



Demo (large device)



A bit about the service (1/2)

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URL's structure

-  `https://maps.googleapis.com/maps/api/geocode/xml?address=<address>&sensor=false&key=<key>`
- ▶ Be careful with spaces (and other special character)



Hem hem...

Key is no required
and Credit card too to activate it




It's free!


We are using «static map services»
200\$ credit \approx 14 000 queries / month

A bit about the service (2/2)

Useful stuff about the answer

 Tag error_message

▶ Contains a clear error message (to display)

 Tag status

▶ Value «ZERO_RESULTS»



problem with the address

▶ Value «OK»



you may continue...

 Tag formatted_address

▶ The «normalised» address



to be stored in the history

 Tag lat

▶ Latitude

 Tag lng

▶ Longitude

Caution

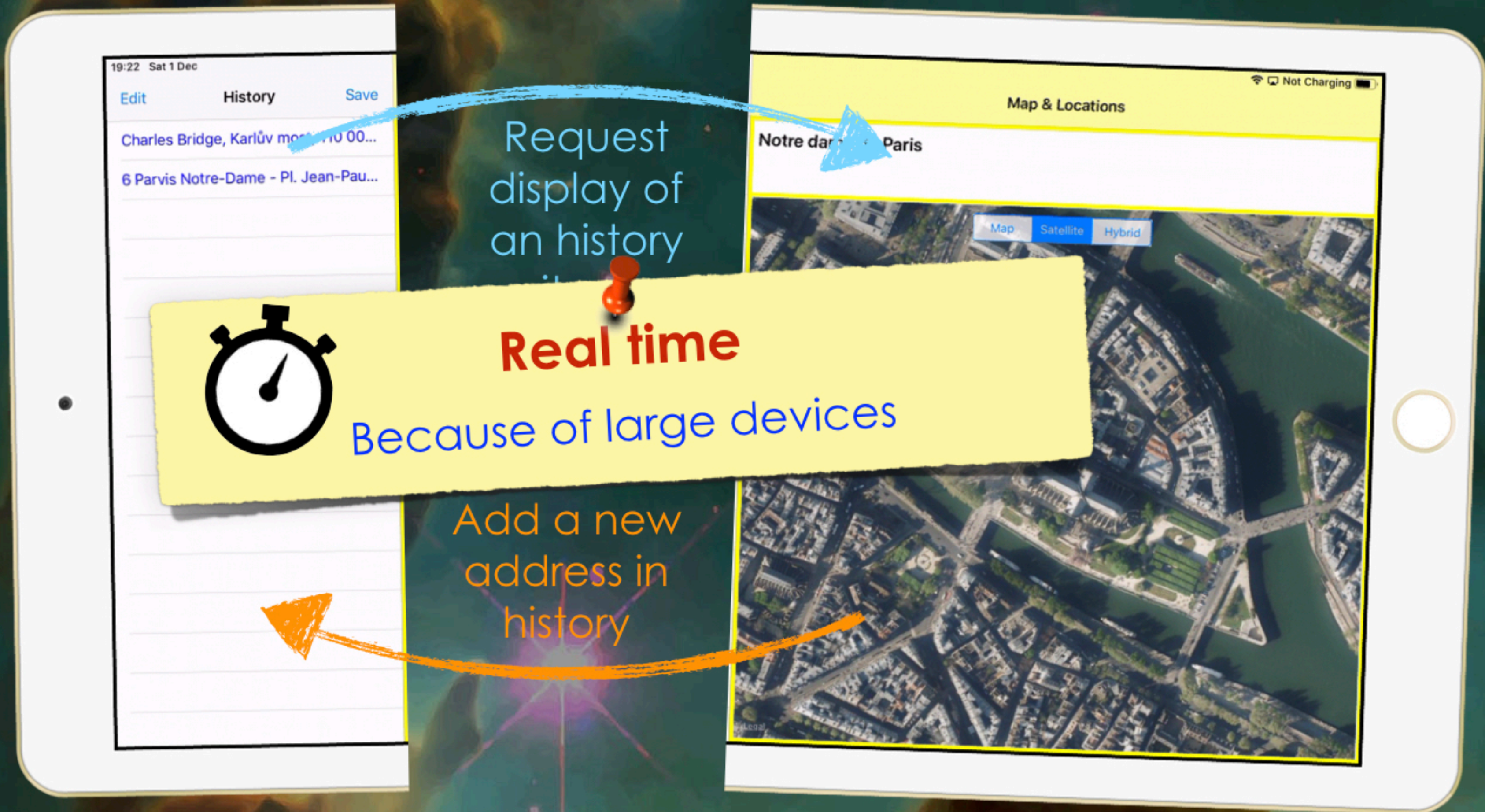
 There are several tags lat & lng

▶ use the first ones only

Interaction between views

📱 **Crossed (the best situation 😁)**

👤 You need cross references between the two controllers



As a conclusion...



Have fun!!!



You down how to do it!



- 👤 You may enrich the exercise
- 👤 You may use resources on the video's companion web page

