



WP2A3 Diagnostic and model for the development of the Wi-Fi based app system – The POGO App

POGO “Petites ondes, Grandes ondes” (Long wave, Short wave)

The App was reviewed by Numerical Partners at a workshop to consider the common platform. An extract from CETICs summary reported;

5 phases are planned for the development of the application. A progressive development, agile-based, is used. The planned functionalities are:

1. Develop a visual chart highlighting the waterways of France. A prototype has been developed and a first version of the application will be available and functional by the summer.

Future functionalities (future development):

2. Enable users to declare any event, bad or good. Event can be anything: a tree on the water, a danger, an accident... The events gathered are then analysed by the official manager who decides if they could be transmitted to the skippers.

3. Display notices to skippers. An official process should be followed in this case. The events and notifications should be validated as mentioned in the official waterway document.

4. Display on the chart different services that help and ease life of the ships. Services can be for example where electricity is available, where restaurants, opening time tables, etc.

5. Displaying rest zones

VNF developed the mobile App that partners considered suitable for universal development and application as the common model. This focuses on navigational and ‘event’ information.

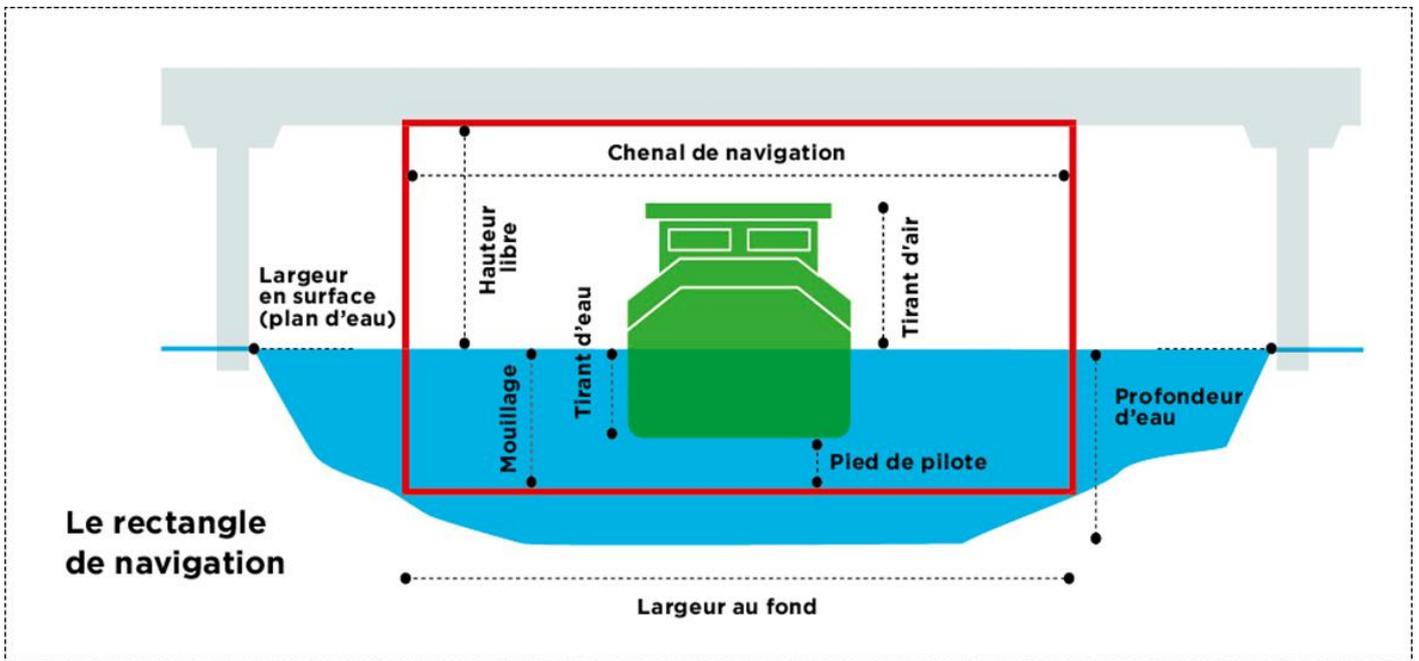
Navigation, here are a few interesting examples of information:

Bridge clearance...But with these indications, you’d better have good eyes...Unless you install very big signs (and keep them clean)...

Or costly variable message signs (which are really not very pretty)

Sometimes it’s obvious the boat can’t pass under a bridge...But even though, some do try! The width is also an issue, unless it’s the current and as usual, binoculars can get quite useful!

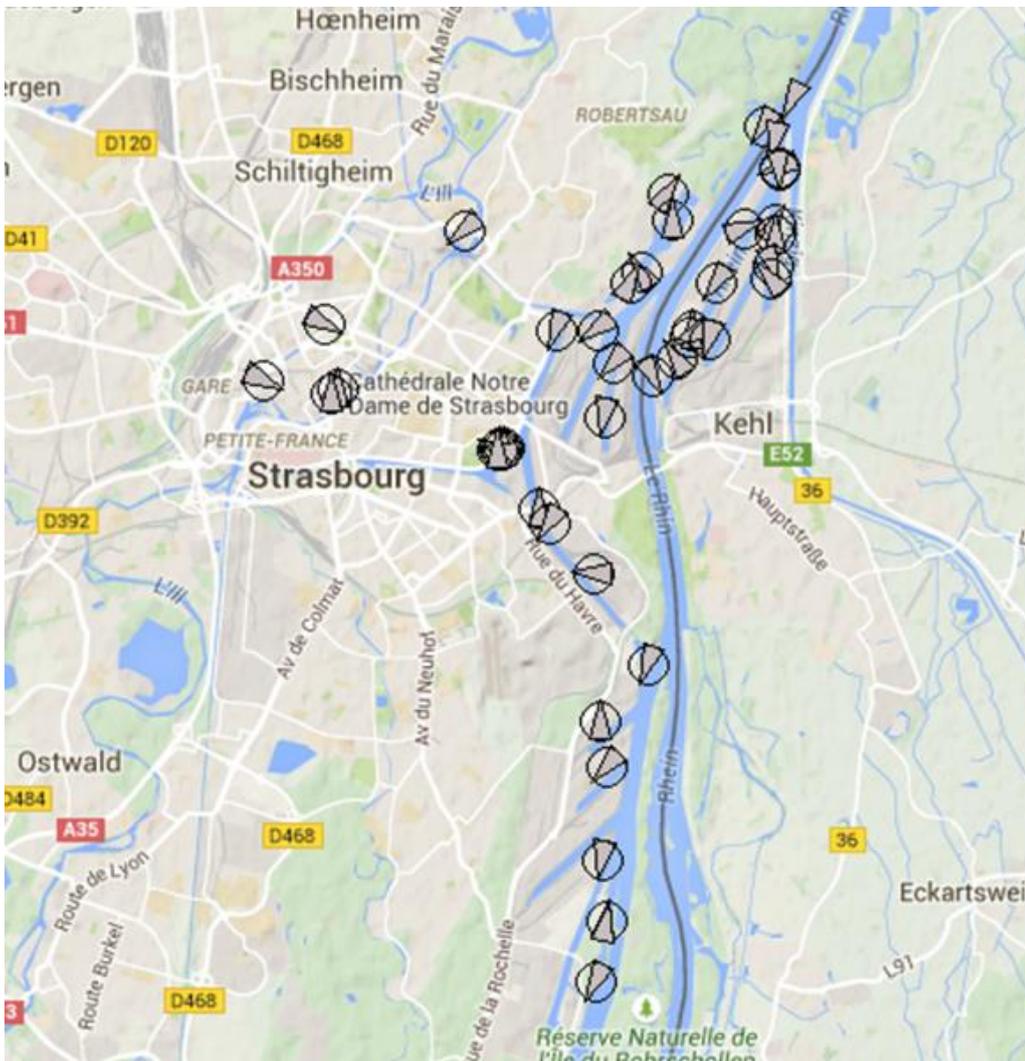
So, to help waterway users who don’t have ECDIS viewers with bathymétrie data (which is the case for most small leisurecrafts),



A simple information easy to understand must be made available

And when there's a slight problem on the waterway, it is necessary to inform them as soon as possible. You all know the light signals on locks? They seem clear enough - But not to everyone!

Another issue is how leisure crafts should manoeuvre in sectors crowded with cargo vessels, without having an AIS screen on-board.



On some waterways, these small boats can feel safe...But their skippers need to know by heart all the traffic signals

All over Europe boaters can find leisure harbours, but often they are very crowded...So usually people just manage on their own! Therefore it's necessary to inform the waterway users of the location of available parking zones

For waste collection zones, it's the same. Just like refuelling stations. Or water and electricity terminals

And when you're travelling in a new place, you might need to find a hospital, the local market or a bike rental. So to get all this information on a map which is easy to use and understand...VNF decided to take part in the NUMERICANAL project, with the support of the INTERREG 4B program, and develop a mobile app called PoGo

This was done in close cooperation with the other partners of Numericanal

A bit like WAZE, a road oriented app, this application enables users to share information between each other- and waterway administrations to publish information necessary for safe and comfortable navigation

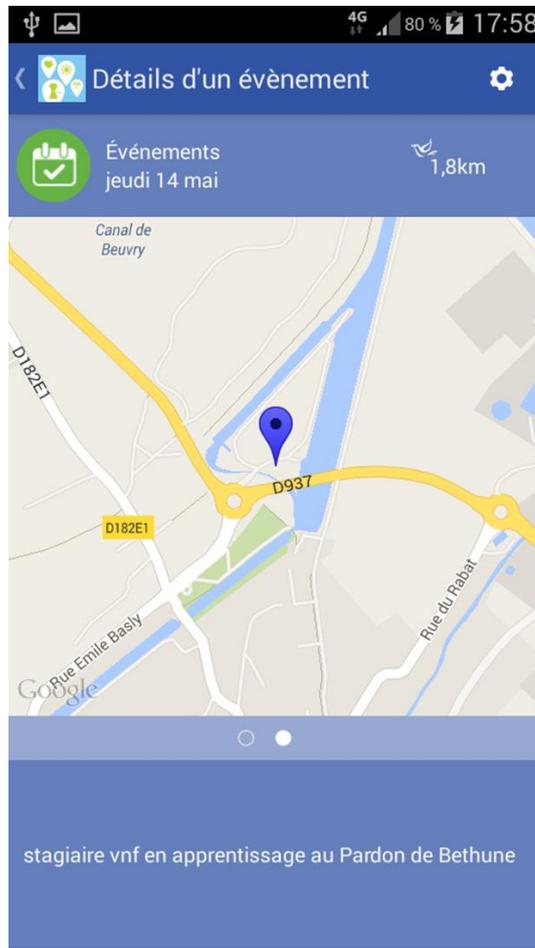
Developped in the frame of the Numericanal project, this App is available on iPhone and Android

For the moment, each user can share information with an associated picture And consult notices to skippers and lock opening timetables



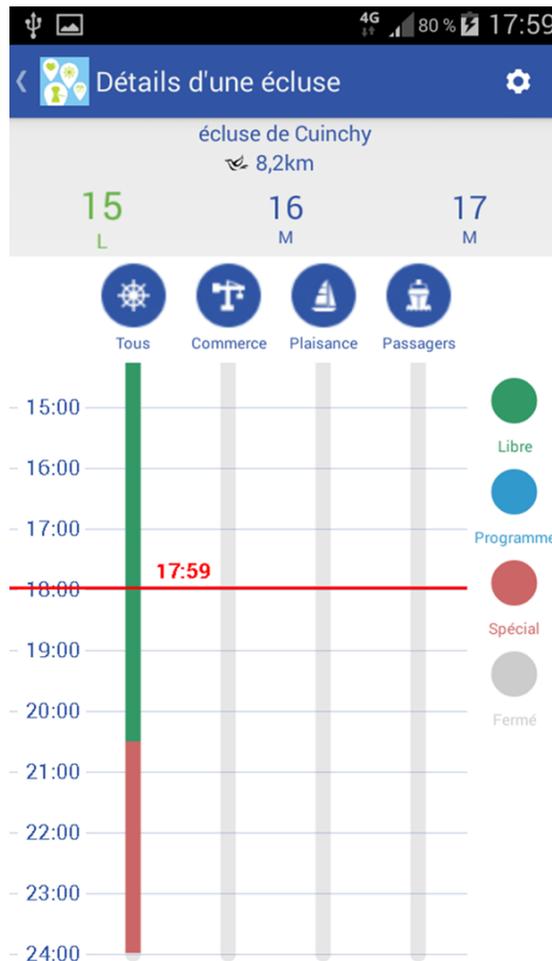
Avis - PDF

Below is an example of an event published at a waterway happening. You can see on the picture a child learning how locks work ;



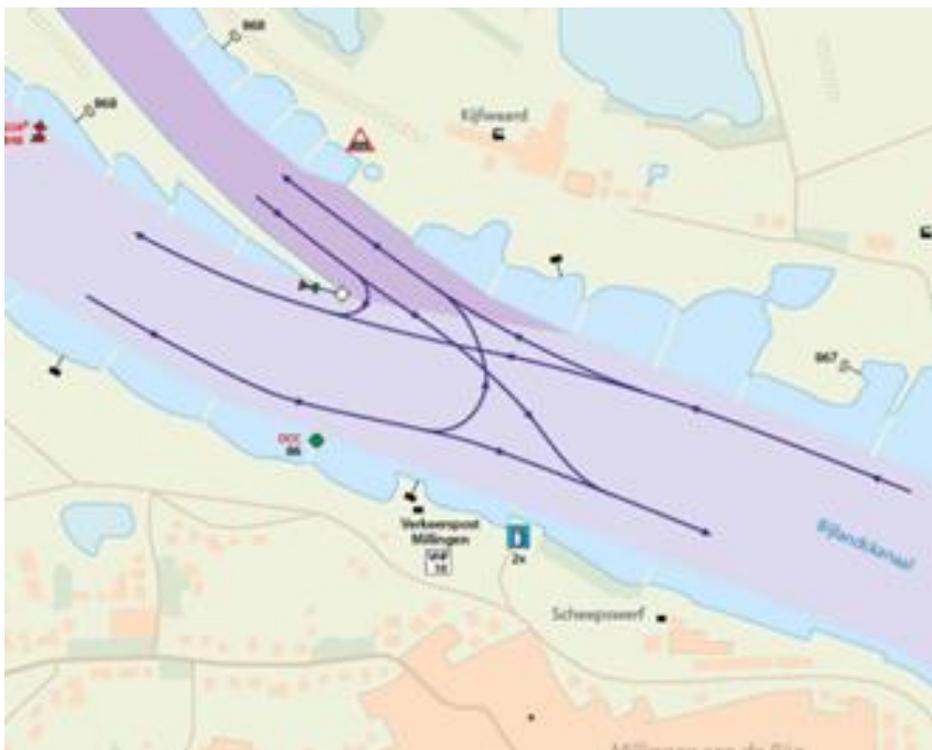
And on the right hand side, the map of where the event was taking place

A picture of a lock under maintenance And a sample of a lock timetable



Next steps September 2015

- Multiple languages (English, Dutch and German), Location Search tool, Dutch waterways dangerous crossing zones



User services in VNF's database...

Household waste, Batteries, Motor Oil, Mooring information, Rowing Club locations, Mobile refuelling boat, Petrol Station, Waiting zone < 8 moorings, Pleasurecraft harbour, Harbour > 50 moorings, Mooring spots.

