TOMP as the API standard for eHUBS and MaaS integration

02-12-2020 - POLIS conference

Tjalle Groen – Into operability

Taxistop vzw

MOBIPUNT

Interreg North-West Europe eHUBS

Interreg North Sea Region SHARE-North

European Regional Development Fund

EUROPEAN UNION

www.mobipunt.be

Taxistop?

Non-profit organisation based in Belgium, active since 1975

We enable more efficient use of resources linked to mobility.

We create real solutions for people and increase the political and public awareness. That's how we we realize a social and ecological impact. We prefer to do this through cooperation

Content

- eHUBS - the digital side
- Standardisation with the TOMP-API

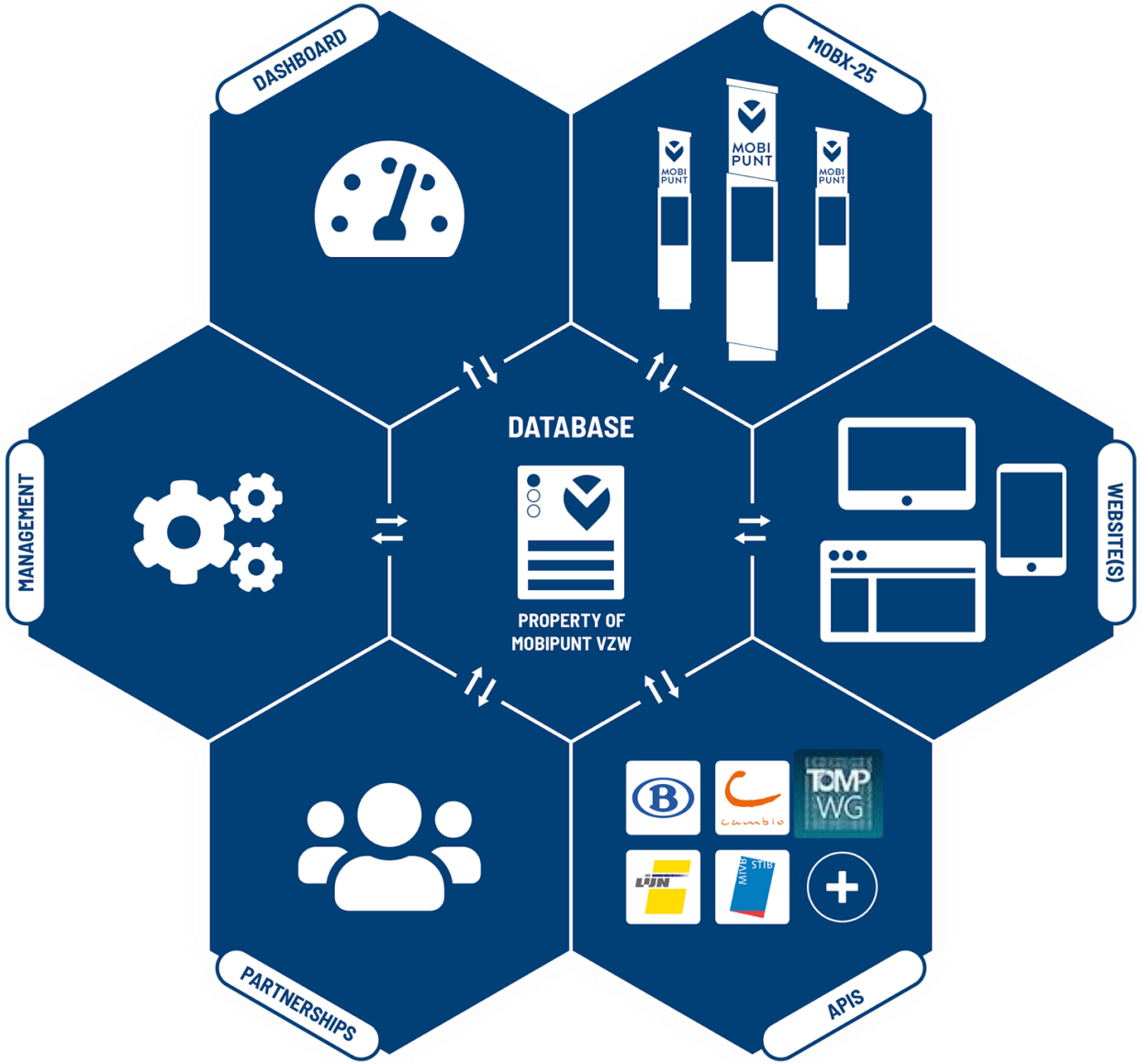
eHUBS – the digital side

Bricks - Marking the territory

- Landmark
- Sense of place
- Information about services at hub
- Gathering point

Bytes - the digital side

Environment



eHUB : spreading information

- Inform users about real-time travel options
- Cater to people without a smartphone
- Raise awareness for Multimodal solutions

- No booking
- No routeplanning

Kiosk Demo

MOBI
PUNT
13:50
MP-9050.3
WWW.MOBIPUNT.BE
GROTESTEENWEG
GROTESTEENWEG
MOBI
PUNT
MP-9050.3
WAT IS EEN MOBIPUNT?
WWW.MOBIPUNT.BE
SCHAAL 1:10
ONTWERP DOOR
infopunt
PUBLIEKE
RUIMTE

Standardisation with the TOMP-API

The struggle of fitting in data

It can be quite the puzzle.

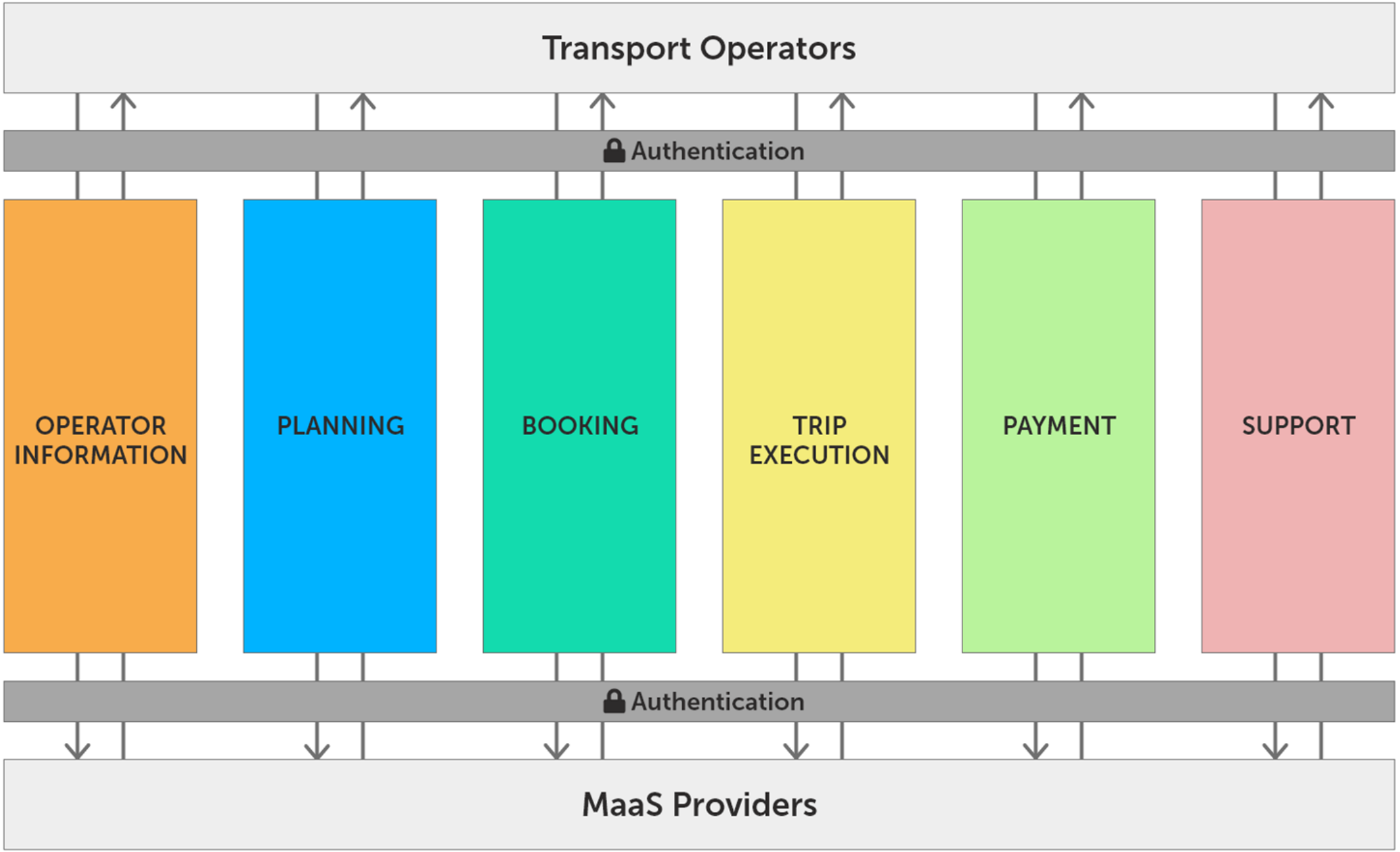
- It's all different
- Find/work for the perfect fit
- Each piece has its own specifications.
- Forcing it will break it

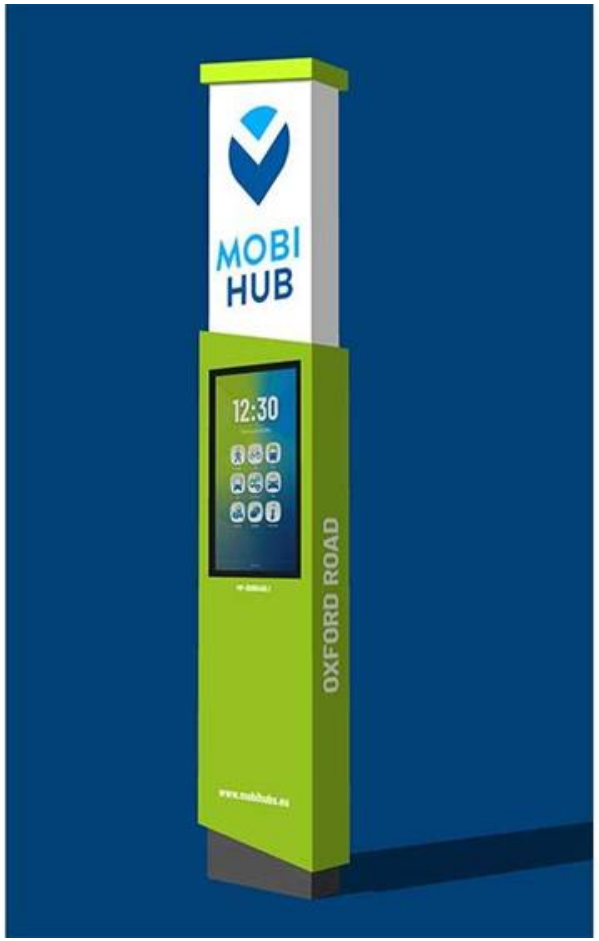
This is where the TOMP-API comes in

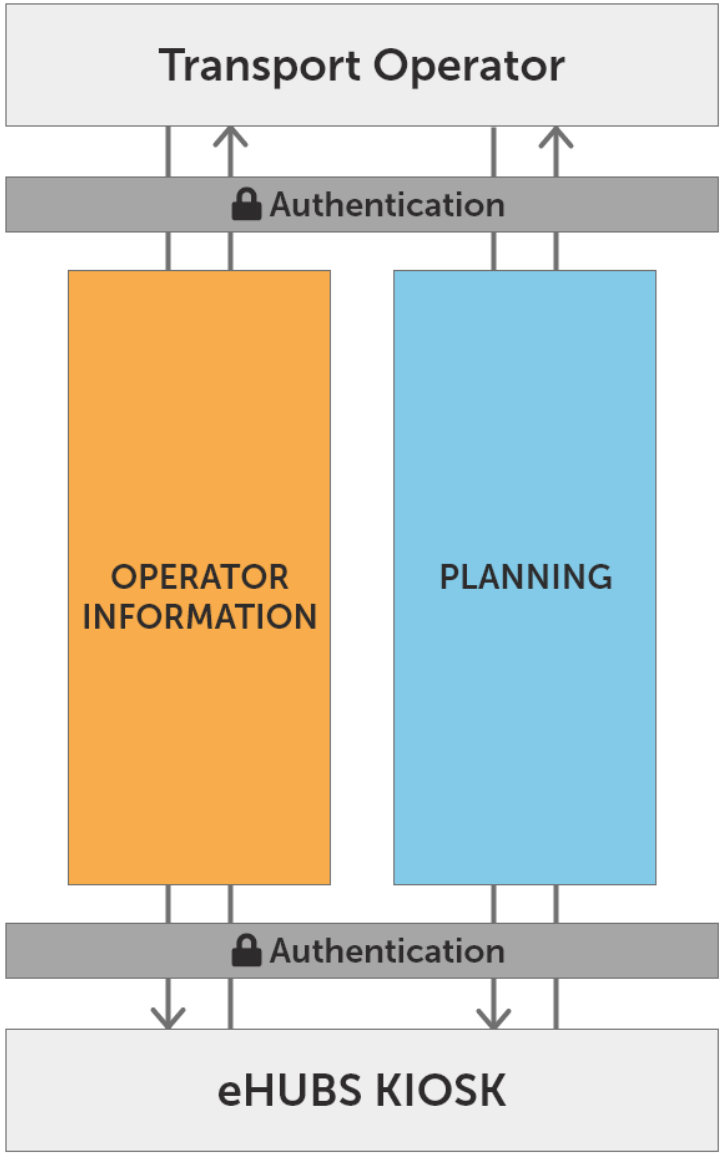
- One of the goals in the eHUBS project :
  Deliver an Application Programming Interface standard for communication between **T**ransport **O**perators & **M**aas **P**roviders.

- Founded in the Netherlands, but with a direct goal to become a European standard for TO - MP communication in the MaaS ecosystem.

If everything fits, you can build what you want... Fast.


Transport Operators
Authentication
OPERATOR INFORMATION
PLANNING
BOOKING
TRIP EXECUTION
PAYMENT
SUPPORT
Authentication
MaaS Providers


MOBI
HUB
12:30
OXFORD ROAD


Transport Operator
Authentication
OPERATOR INFORMATION
PLANNING
Authentication
eHUBS KIOSK

Why standardization

The MaaS ecosystem

- Level playingfield
  - Clear guidlines = equal opportunity.
- Less development time on all sides.
- More interoperability

For municipalities

- Simplify the tendering process - compliant to a standard
- CDS-M (MDS) - create feedbackloop on Mobility within territory
- Offer a broader range of options to inhabitants

Why TOMP-API

- Open Working Group - “voluntary” input from people covering different sides of the ecosystem.
- Created by members from different countries.
- Currently being implemented & used
  - real life testing & feedback
  - Actual realisation/product
- Continuous development
- All input/request via Github is taken into account.
- Release Dragonfly 1.1 is coming this week.
- Want to join? get in touch.

Connect & build whatever you can think of.

Links & credits

Links :

www.taxistop.be

www.mobihubs.be

www.nweurope.eu/projects/project-search/ehubs-smart-shared-green-mobility-hubs/

http://www.tomp-wg.org

https://github.com/TOMP-WG/TOMP-API/wiki

https://github.com/TOMP-WG/TOMP-API/blob/master/documents/201005%20-%20Blueprint%20for%20the%20TOMP-API%E2%80%93Version%20Dragonfly%20(1.0.0).pdf

Photo credits :

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Thank you!

Thank you for listening and watching!

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