

EVRoaming Foundation

Realising cross-border charging



March 2021

EVRoamer

Welcome to the EVRoamer, the newsletter of the EVRoaming Foundation!

The mission of the EVRoaming Foundation is to achieve full EV roaming for everyone in an open and transparent manner, with correct information sharing according in line with all consumer laws. We aim to ensure cross border access to charge infra networks and help companies and governments with the right information to achieve this.

Together with you we aim to improving access to charging infrastructure, and to realize better services and for EV drivers.

Roland Ferwerda, Board member EVRoaming Foundation and Director Netherlands' Knowledge Platform for Charging Structure NKL

Dear EV Roamers,

Looking back, it has been a ride last year, kicking off this foundation. And we could not have done this with the help and support from all of you users, participants and supporters! The commitment for driving electric and charging everywhere, making use of free and open roaming protocols in the most efficient way, is what drives us forward.



Meanwhile the dust has settled, and a solid and reliable management organization has appeared: the EVRoaming Foundation. Independent, but well connected with all stakeholders in the realm of EV charging infrastructure. Our thanks go to the companies involved in developing this protocol since 2013, the Dutch government and NKL for their continued support from 2015 until today, and all users and contributors up to this day, in making OCPI and EV Roaming a better protocol and a future way of working.

This year will be even better: reaching out to all EV charging players to support them with faster and easier roaming connections, developing new functions in the OCPI protocol, writing position papers on price transparency and hybrid market models,

and to support this with a single roaming protocol OCPI, and intensifying collaborations with partners such as ChargeUp Europe.

Our work will be even more successful with the growing number active participants who actively contribute to our development roadmap, and the support of new EV charging developments. Also, governments increasingly understand the need for a strong policy framework that allows the EV charging market to flourish: open protocols, standard data models and transparent business propositions. Together we can support the growth of electric mobility around the world, and support a charging network that is open and accessible for every driver; that is what EV Roaming is about.

I am looking forward to our continuing electric roaming journey!



Freshmile x Chargemap

Freshmile, France's largest CPO and Chargemap, France's largest EMSP deepen cooperation by connecting using OCPI.

By a foggy day in Strasbourg in early December last year, the Chargemap and Freshmile teams met at Freshmile headquarters to celebrate the successful launch of their OCPI connection. Roaming services between Freshmile and Chargemap have been running through OCPI since, allowing tens of thousands of charging sessions for Chargemap clients on stations operated by Freshmile.

Deeper cooperation between both companies was asked for by EV drivers associations such as Acoze France. Hence, the arrangement is primarily designed for the benefit of EV drivers using the Chargemap Pass. Users have now access to a greater number of charging points than with the previous connection through platforms, and they have access as soon as new stations are built and charging points commissioned. Thanks to the agreement passed between both operators, technical and administrative hassle is eliminated, and the newly built charging points are accessible to Chargemap clients on the very day of their opening.

Using a peer-to-peer connection based on OCPI allows Freshmile and Chargemap to improve operational processes. Interoperability becomes less cumbersome to manage for both operators. For instance, when taking over existing networks of charging stations, Freshmile is able to ensure continuity of interoperability agreements: as soon as stations are live on Freshmile CPO platform, they are available to Chargemap clients too.

Arnaud Mora, CEO of Freshmile and Chairman of the EVRoaming Foundation notes that "IT staff at Freshmile and Chargemap developed and tested the connection with ease whereas operational staff were quick to adapt procedures and save precious time on a day-to-day basis. After more than two months of operations, we can confirm that the connection has been remarkably stable and that troubleshooting issues on failed charging sessions has become easier".

Pictures: credit Chargemap



OCPI update

Why you should use v2.2?

In September 2019 OCPI v2.2 was released as result of many discussions with the community of OCPI users. V2.2 contains very important improvements compared to v2.1.1, including:

- Support for Hubs
 - Message routing headers
 - Hub Client Info
- Support Platforms with multiple/different roles, additional roles

- Charging Profiles
- Preference based Smart Charging

Improvements have been made for:

- CDRs: Credit CDRs, VAT, Calibration law/Eichrecht support, Session_id,
- AuthorizationReference, CdrLocation, CdrToken
- Sessions: VAT, CdrToken, How to add a Charging Period
- Tariffs: Tariff types, Min/Max price, reservation tariff, Much more examples
- Locations: Multiple Tariffs, Lost of small improvements
- Tokens: Group_id, energy contract
- Commands: Cancel Reservation added

For more information on detailed changes [see changelog from the specs of OCPI v2.2](#).

We strongly recommend to use the current version as a lot of questions that are asked concerning OCPI are managed in this version. We also update the documentation for 2.2 when clarifications are needed.

Roadmap

Currently the EVRoaming Foundation is working on the next services, modules, and version. Via the OCPI development Workgroup a lot of suggestions have been made. Besides new and improved services, we are working on more scalable and more efficient version of OCPI, using better communication methods. This requires a new architectural setup which will be released as version 3.0. Official release is expected next year, but new and improved services that will be part of this version might already be usable as addition of v2.2. This way also future possible move to 3.0 will be easier for companies.

Improvements and services that we are working on are related to Security, compatibility with ISO 15118, Transparency, Smart Charging, Collaboration laws and we are working on better tools for supporting easier implementation and testing.

All new developments of OCPI will be done via the EVRoaming foundation and its OCPI user community. If you want to be involved, join us.



Latest news

EVRoaming foundation starts global's first Roaming contracting dating pool!

One of the main challenges with setting up roaming connection is the roaming agreement. No matter if you roam via a roaming hub or Peer 2 Peer or a virtual hub, you always need to setup a roaming agreement supporting your technical connection.

The EVRoaming foundation will support you with this. For all our Full contributors, a special space is created where a roaming agreement example will be available and companies that want to make agreements with others can notify everyone and can share contact details.

If you are interested to get more info about this, join the EVRoaming foundation as Full Contributor and you will be informed directly.

Chargepoint is new EVRoaming board member

We are very happy that we can announce that Chargepoint is now official board member of the EVRoaming foundation. For a long time they support roaming and use OCPI. The EVRoaming foundation is very proud that they now also are part of the board and work together on connection charge networks, improve accessibility and information to and from the EV driver.

Roaming and OCPI in USA

Roland Ferwerda, board member of the EVRoaming foundation presented the EVRoaming foundation and OCPI to the US Alliance of Transportation Electrification (ATE) early March.

During the event CARB (California Air Resources Board) presented why they make OCPI part of their regulations. All visiting companies and

organisations where very positive about this choice of the state of California.

Collaboration space

The EVRoaming foundation has chosen Slack as main workspace and communication tool. The OCPI Slack community will stay for the released versions of OCPI and for basic support. The new EVRoaming Slack community is only available for contributors and sponsors and will be used for all activities of the foundation.



Values and Goals of EVRoaming Foundation

The objective of the EVRoaming Foundation is to facilitate roaming services for charging electric vehicles and provide transparent information to consumers about charging locations and prices, by use of the open and independent Open Charge Point Interface (OCPI) protocol. The ultimate goal is to allow any EV driver to charge at any charging station in the on their continent: simplify, standardize and harmonize.

The EVRoaming Foundation will do this via the following activities:

- Informing CPO's, MSP's, Governments and other parties about the importance of open access to charge infrastructure and right information sharing with EV drivers
- Policy influencing via whitepapers, discussions with policy makers, etc
- Creating informative webinars
- Contributing to and participating with EU and other projects
- Acting as independent knowledge center for all stakeholders
- The EVRoaming Foundation also manages and maintains the OCPI protocol and ensure its free availability. The foundation is not limited to OCPI and can also support other related activities and services.

We see a lot of interest in getting more and better and open access to charge infrastructure. Meanwhile we see also more focus on price transparency, correct meter values and connections of networks to

National Access Points. The EVRoaming foundation supports this together with its contributors and sponsors.

OCPI will stay free to use! And the OCPI community will stay, for basic support.

At the end of this newsletter you find an attractive introduction offer to join the EVRoaming foundation.

How to join?

There are 4 levels for participation:

- Associate Contributor: Organisation that wishes to be connected to the protocols managed by the EVRoaming Foundation, but is not actively involved in protocol development. These may include Associations, Consultancies or Academic institutes.
- Full Contributor: Organisation that implements the protocols managed by the EVRoaming Foundation and is actively involved in the development, maintenance and support of the protocols or actively participates in activities of working groups.
- Managing Contributor: Full Contributor who has the right to appoint a board member from his/her organisation. For this elections will take place.
- Sponsors: Organisation (in the public or private sector) that supports EVRoaming and the protocols managed by the EVRoaming Foundation, but is not actively involved in protocol development. These may include municipalities, research or consulting groups, laboratories, regulatory bodies or universities.

You can download, sign and return the Contributor agreement here:

[CONTRIBUTOR AGREEMENT](#)

Do you like the newsletter? Share it!





The EVRoaming Foundation manages and maintains the OCPI protocol and ensures its free availability, to guarantee roaming according to open standards for any EV driver.

www.evroaming.org Contact? Mail: info@evroaming.org



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