HUNGARIAN CENTRAL STATISTICAL OFFICE

Electric vehicle charging infrastructure statistics in Hungary

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- What to count?
- How to define public?
- Charging thresholds/capacity
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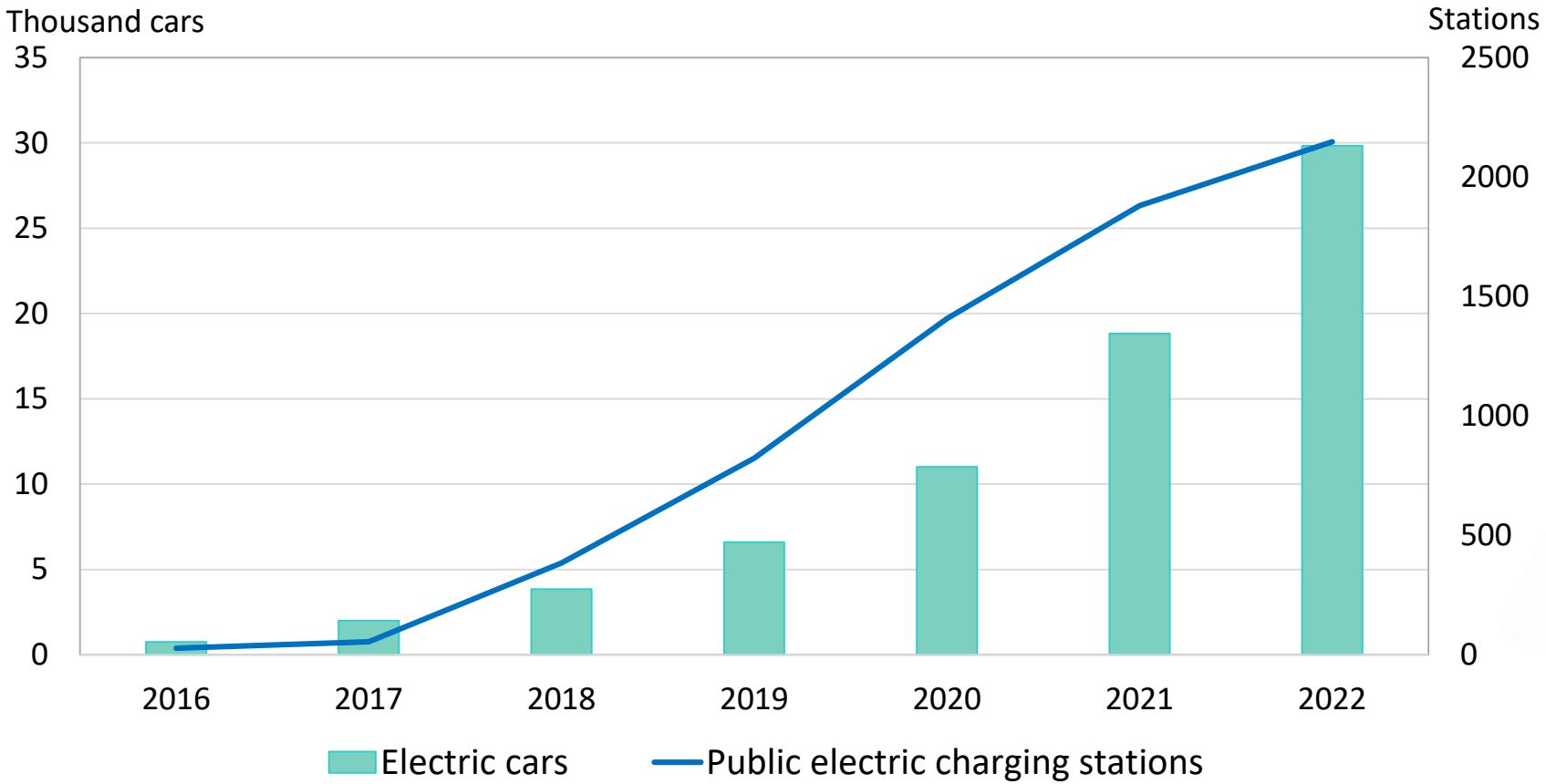
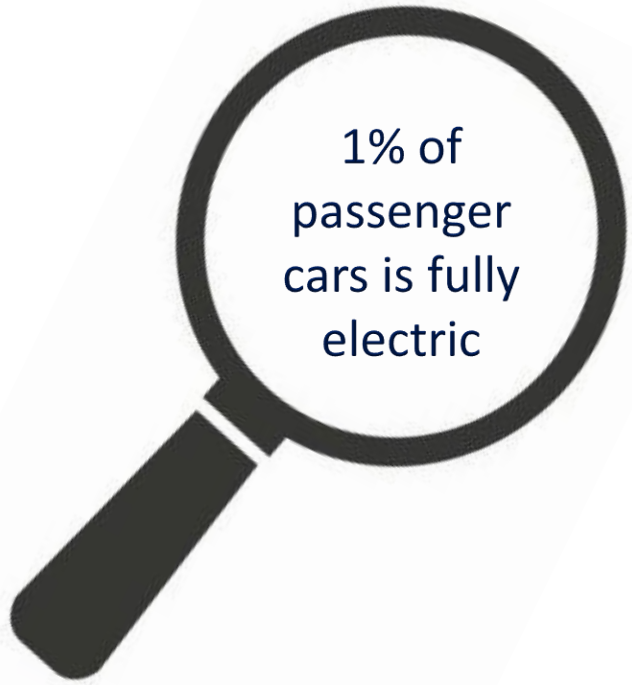
The number of electric passenger cars and public electric charging stations





Source: MEKH and Ministry of the Interior

Data collection: institutional and legal background

- The data owner of the charging infrastucture is the Hungarian Energy and Public Utility Regulatory Authority (MEKH)
  - the regulatory body of the energy and public utility market
  - competences of MEKH include the following: licensing, supervision, price regulation, supporting competition, energy efficiency and renewable integration, tasks related to national energy statistics, market monitoring, customer protection.
  - an official statistical body

Data collection: institutional and legal background

Act I of 1988 on Road Traffic (amended in 2019)

- Defines
  - the different actors (i.e. electromobility operator), concepts (charging station, -device, -point, public charging station)
  - the basic rules of the electromobility service
- Imposes obligation to provide data for the authority by the operators on a quarterly basis
- Public electric charging device may be operated only with a licence issued by the Hungarian Energy and Public Utility Regulatory Authority (MEKH)

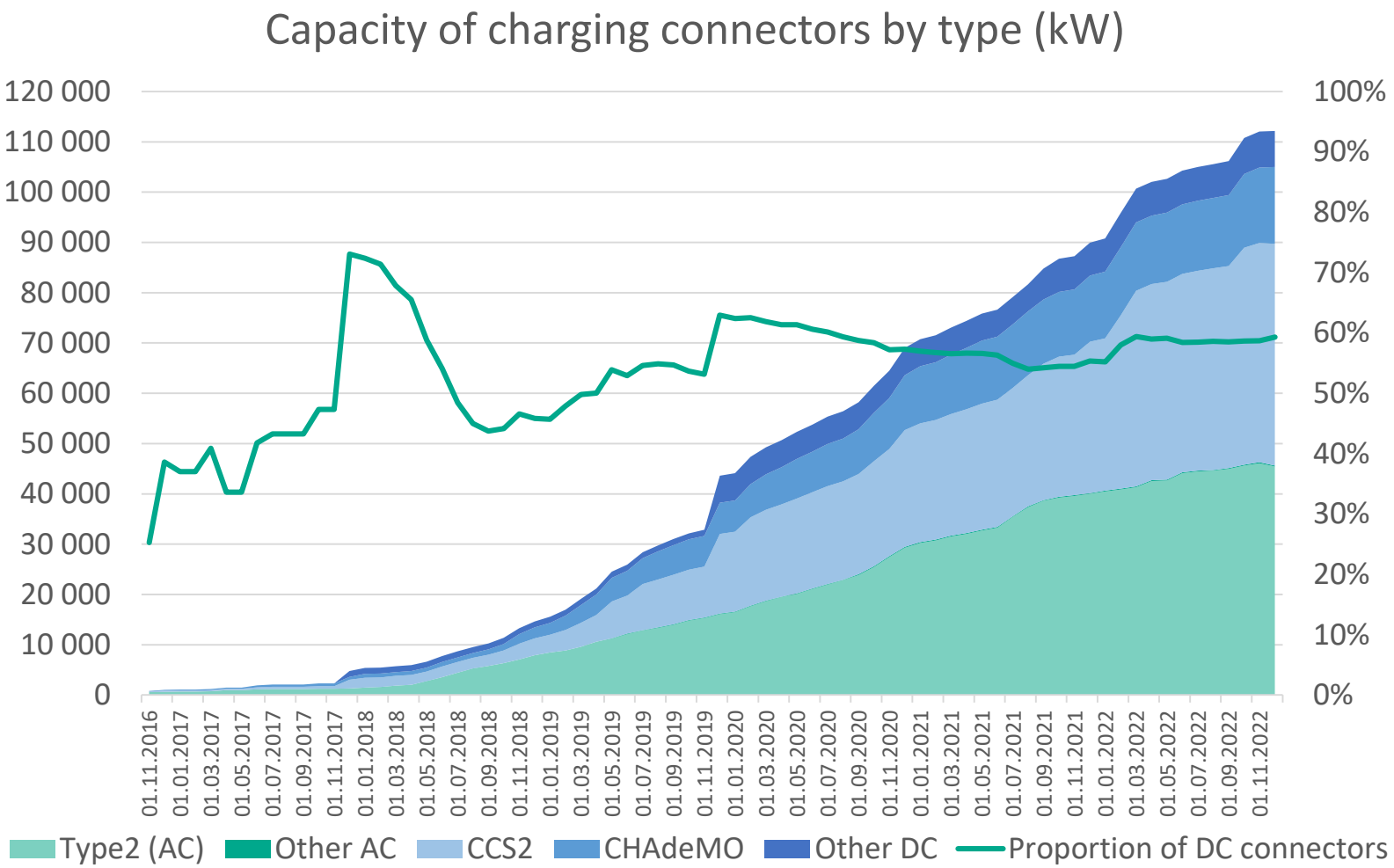
What to count?

- charging station is an area containing at least two charging devices
  - charging device: electrical equipment that has at least one normal or high-power charging point.
    - electric charging point: the charging connector on the electric charging device, which is suitable for charging the electricity storage system of only one electric vehicle.

How to define public?

- Electric charging equipment operated on **public land**, **next to a public institution** building and in **public institution** customer **parking lots**, as well as at **public fuel filling stations**, which is **accessible without discrimination** under the identification, use and payment conditions defined for electromobility users, as well as electric charging equipment operated on **private land or public parking lots open to public traffic** , which is accessible to a limited range of electromobility users without payment or under specific payment conditions, including coastal electricity supply, excluding electric charging equipment operated in households. - *Act I of 1988 on Road Traffic*

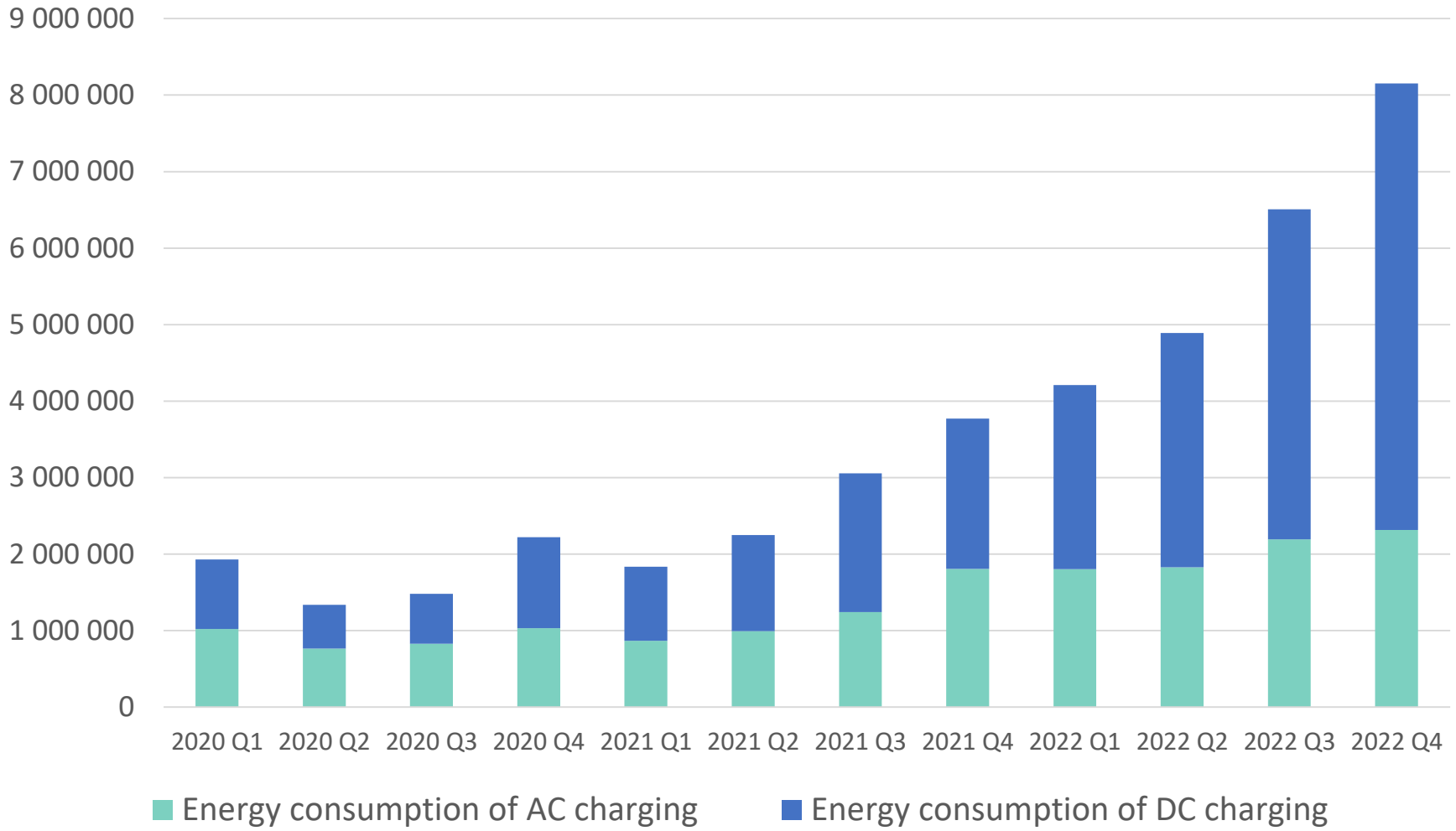
Charging thresholds/capacity



Source: MEKH

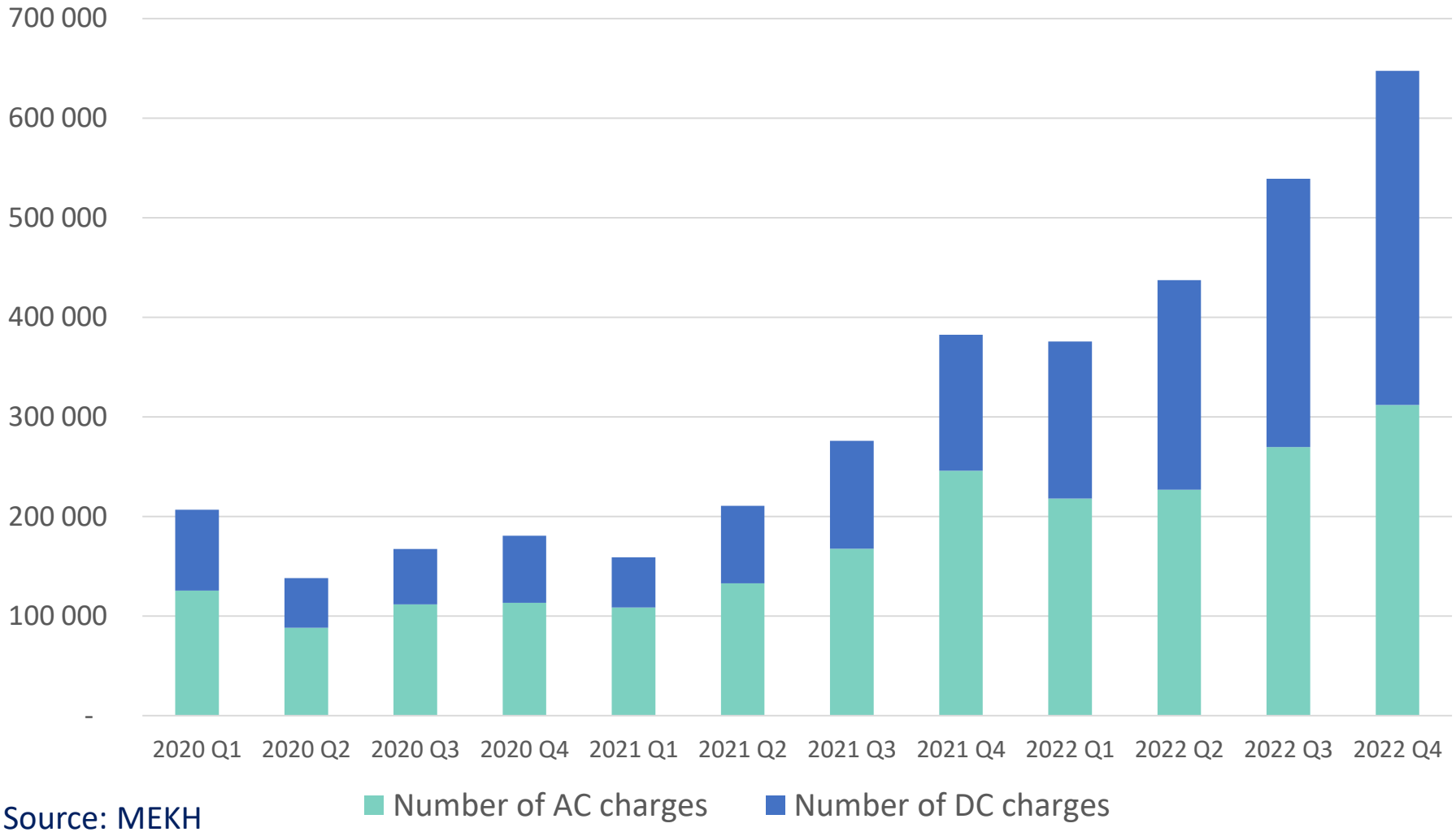
- number and capacity of each device's connection point

Electricity consumption of charging stations (kWh)



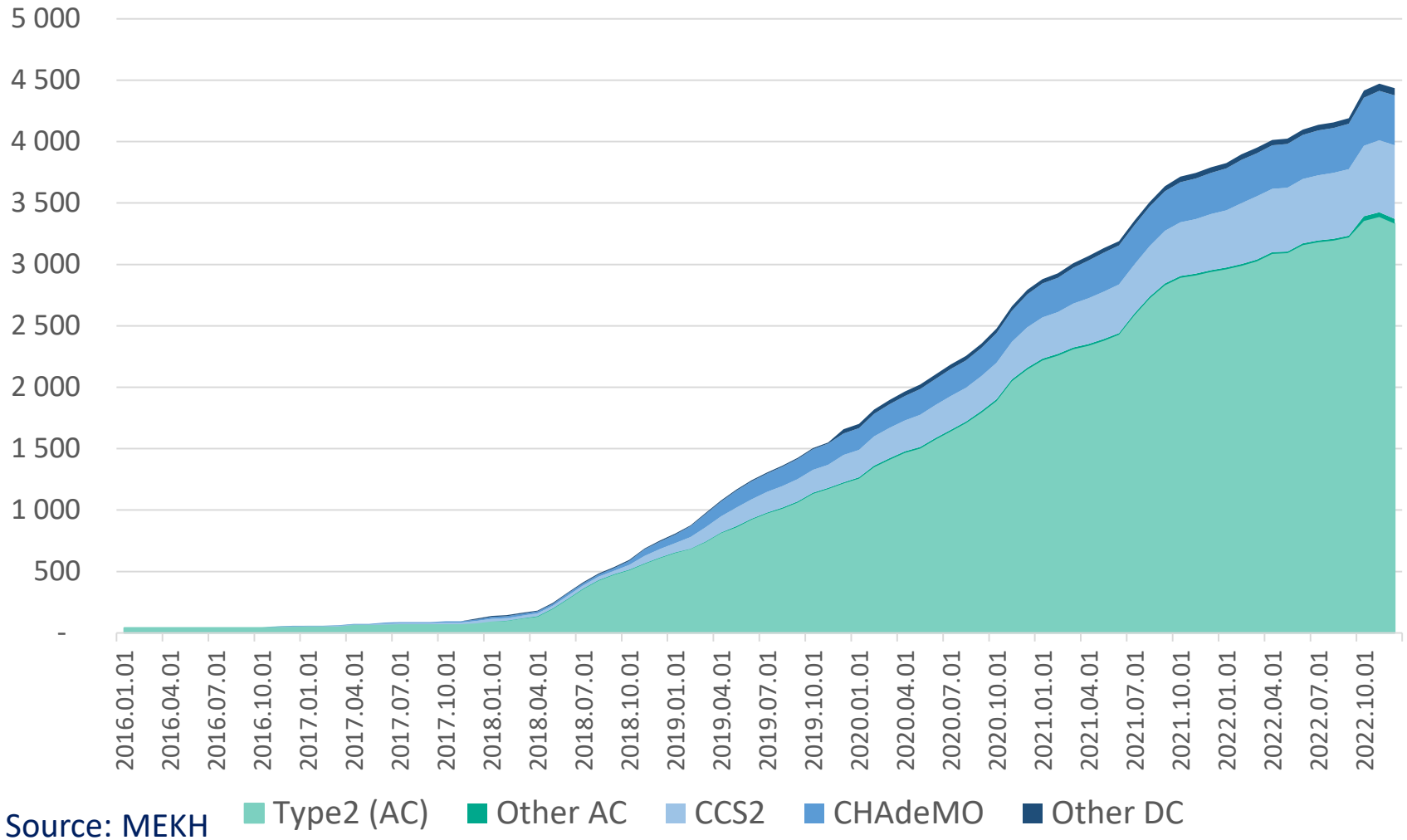
Source: MEKH

Number of public charges



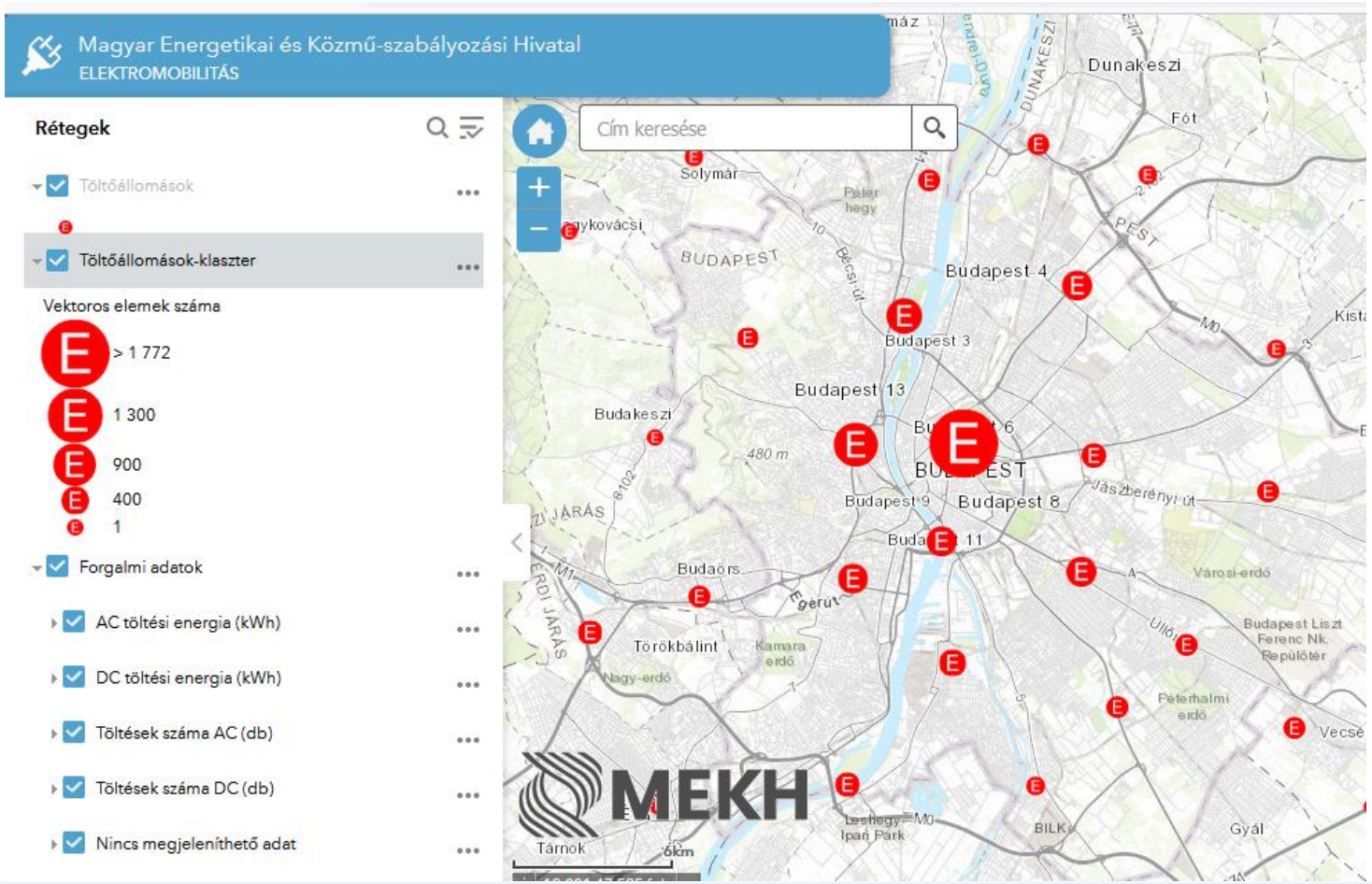
Source: MEKH

Number of connectors by type



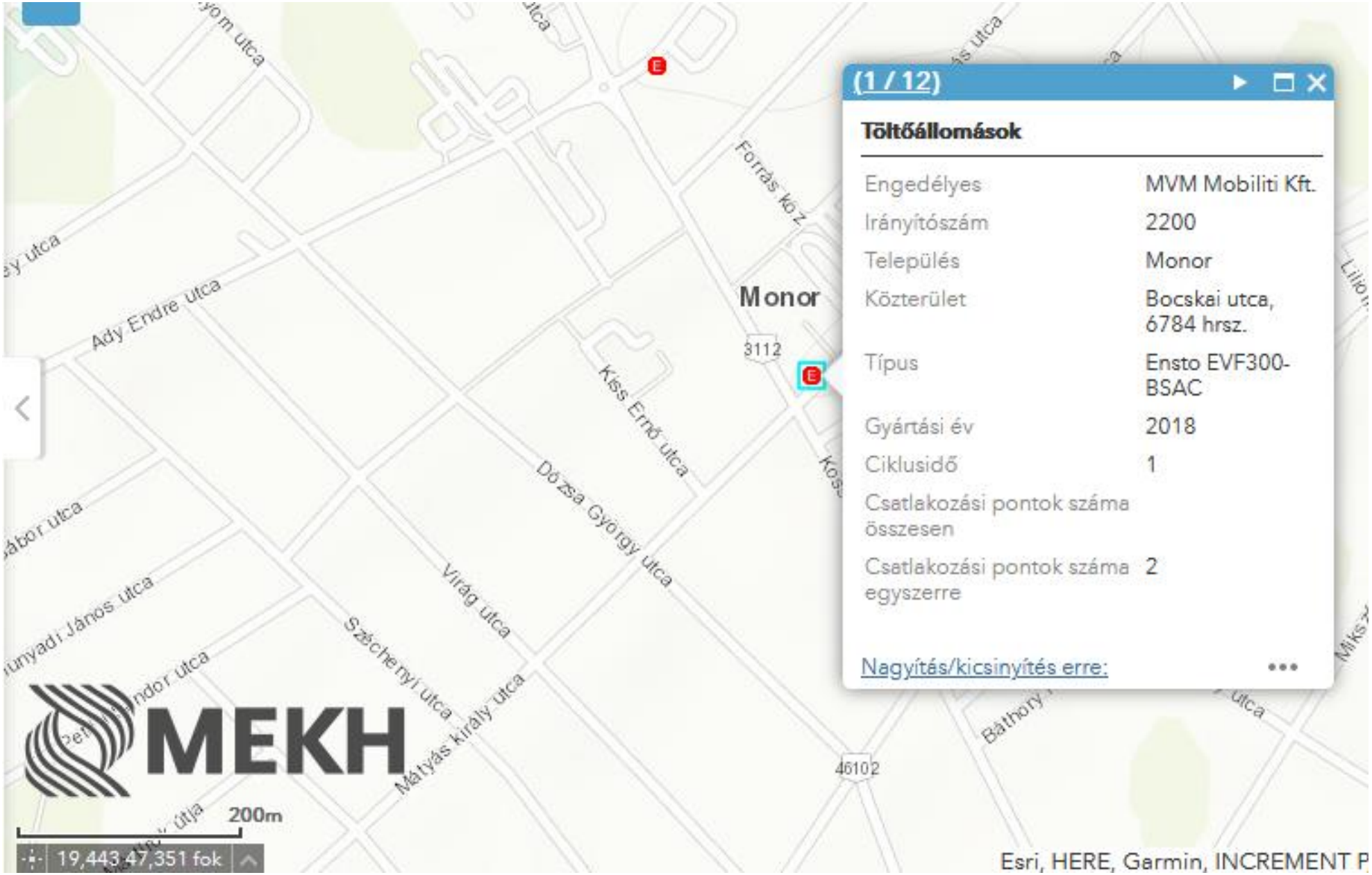
Source: MEKH

Geospatial location



- Coordinates of the locations are collected
- Published in a dedicated GIS application

- https://terkep.mekh.hu/elektromobilitas/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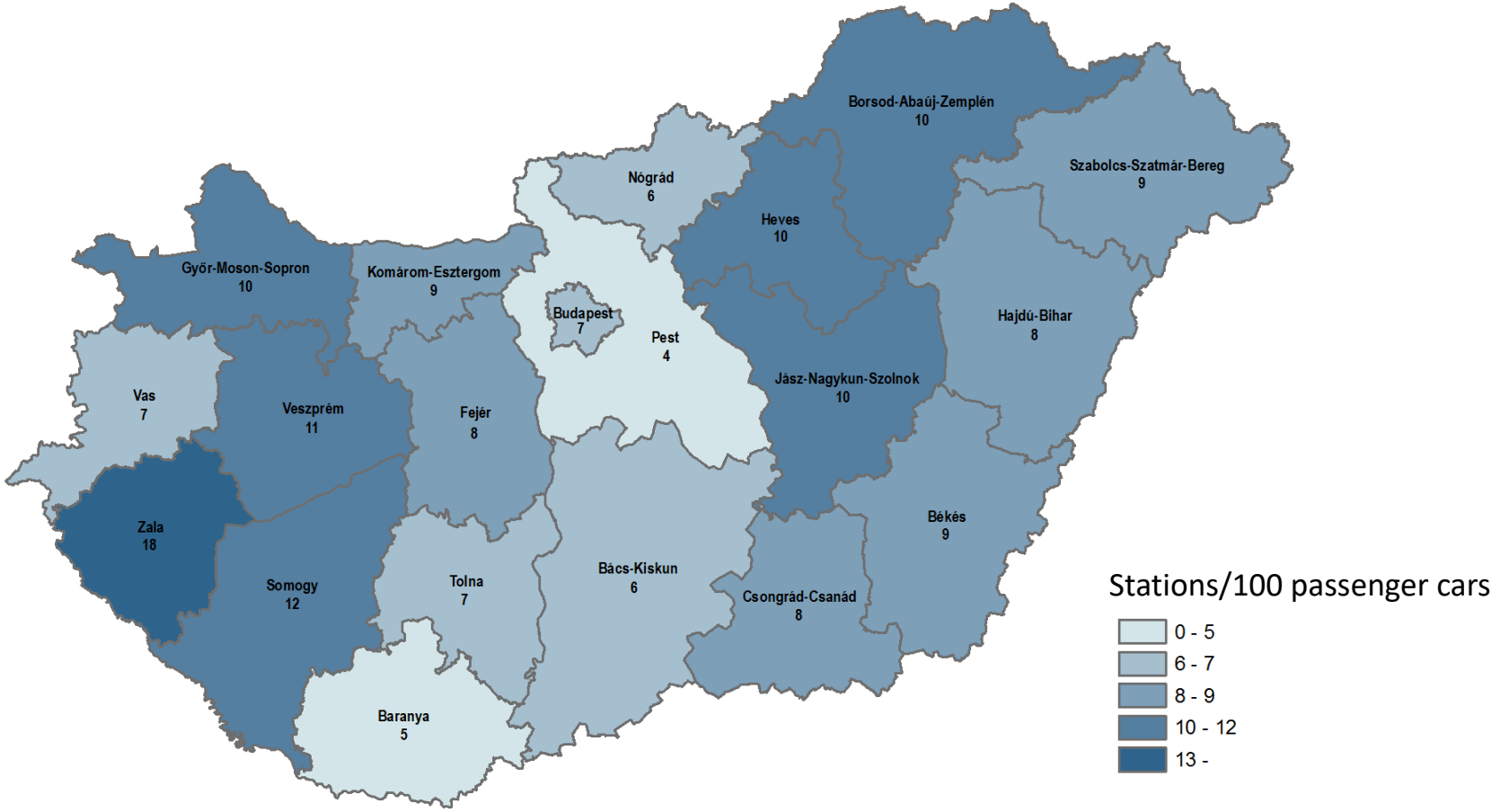
Töltőállomások
Engedélyes
MVM Mobiliti Kft.
Irányítószám
2200
Település
Monor
Közterület
Bocskai utca, 6784 hrsz.
Típus
Ensto EVF300-BSAC
Gyártási év
2018
Ciklusidő
1
Csatlakozási pontok száma összesen
Csatlakozási pontok száma egyszerre
2
Nagyítás/kicsinyítés erre:
Monor
3112
46102
Forrás köz
Ady Endre utca
Kiss Ernő utca
Dózsa György utca
Virág utca
Széchenyi utca
Mátyás király utca
Bathory
MEKH
200m
19,443 47,351 fok
Esri, HERE, Garmin, INCREMENT P

Public electric charging stations compared to the number of electric passenger cars, 2022



Publication activity

- MEKH – quarterly report and GIS application
- HCSO – annual report on transport statistics