

Hosted by:



Organized by:



Funded by
the European Union



Africa-BB-Maps National Event

National broadband mapping systems In Ivory Coast

18—20 August 2025

Abidjan, Cote d'Ivoire

<https://africabbmaps.itu.int/ci-kickoff/>



Applications of the Geographical Survey

- Assessment of state aid eligibility
- Verification of universal service obligations
- Definition of coverage obligations
- Provision of information tools for end-users
- Delineation of geographic markets in a competition assessment
- Prevent damages during construction
- Coordinate further roll-out
- Sharing underground infrastructure

Each application has its own requirements

Experiences from the Netherlands

- A small and very densely populated country
- Competition analysis
- Challenges overcome
- Mapping underground infrastructure

Some basic numbers:

8 million houses

Surface: 41.500 km²

Postal codes: 450.000

Population: 433/km²

Competition analysis

FttO indicators

Coverage as percentage of companies within a certain distance from the network

Competition as number of networks within a zipcode

Initially limited level of detail; with increasing accuracy and robustness

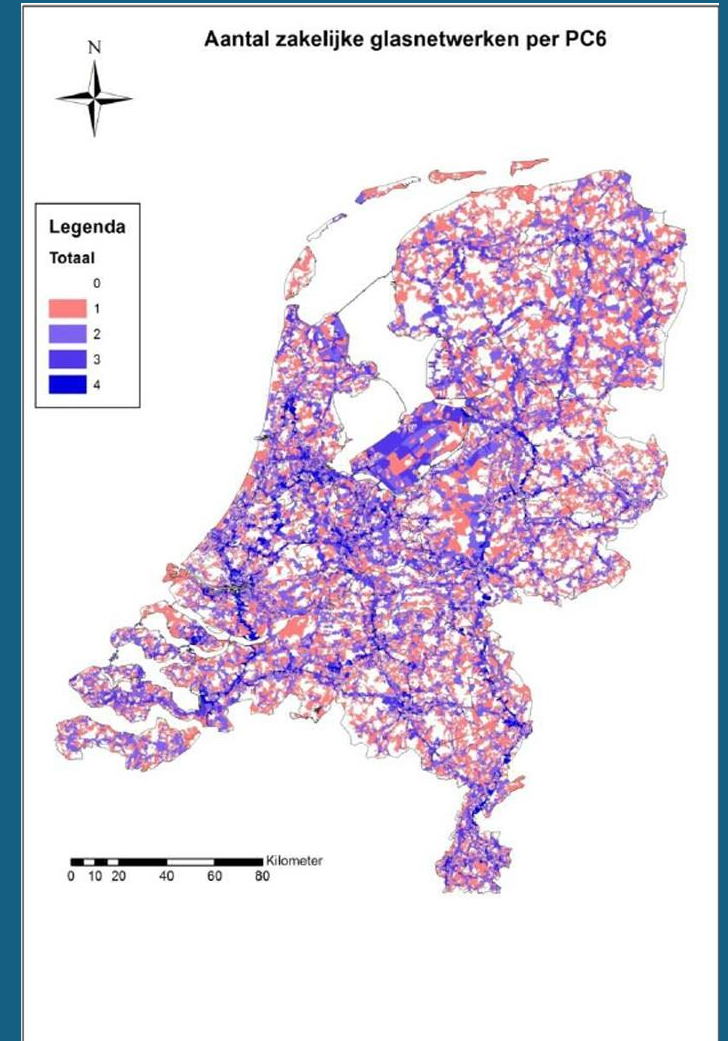
1x per 3 years

FttH indicators

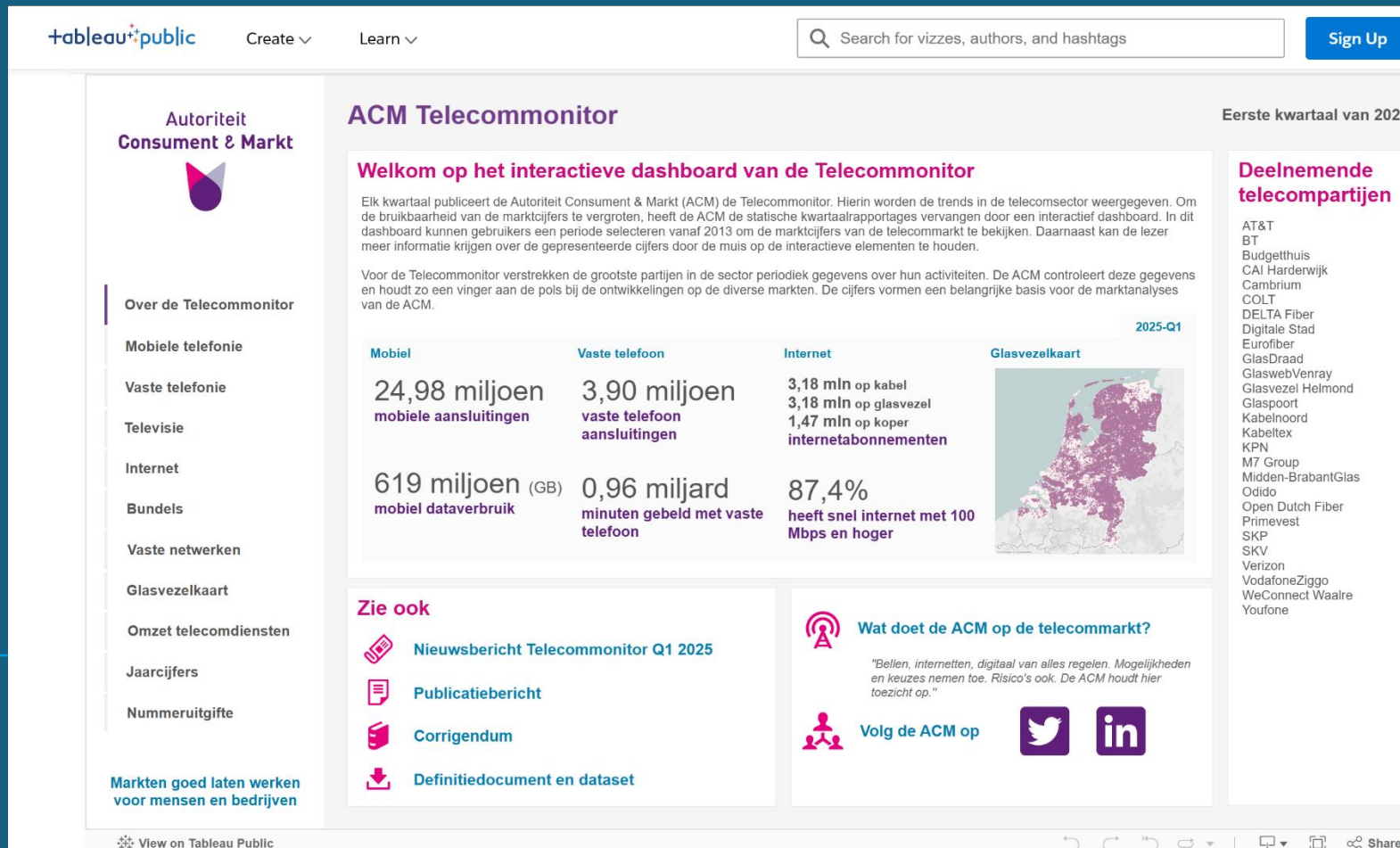
Homes passed, homes connected and homes subscribed

Also mapping of interconnects, manholes, local loop unbundling, etc.

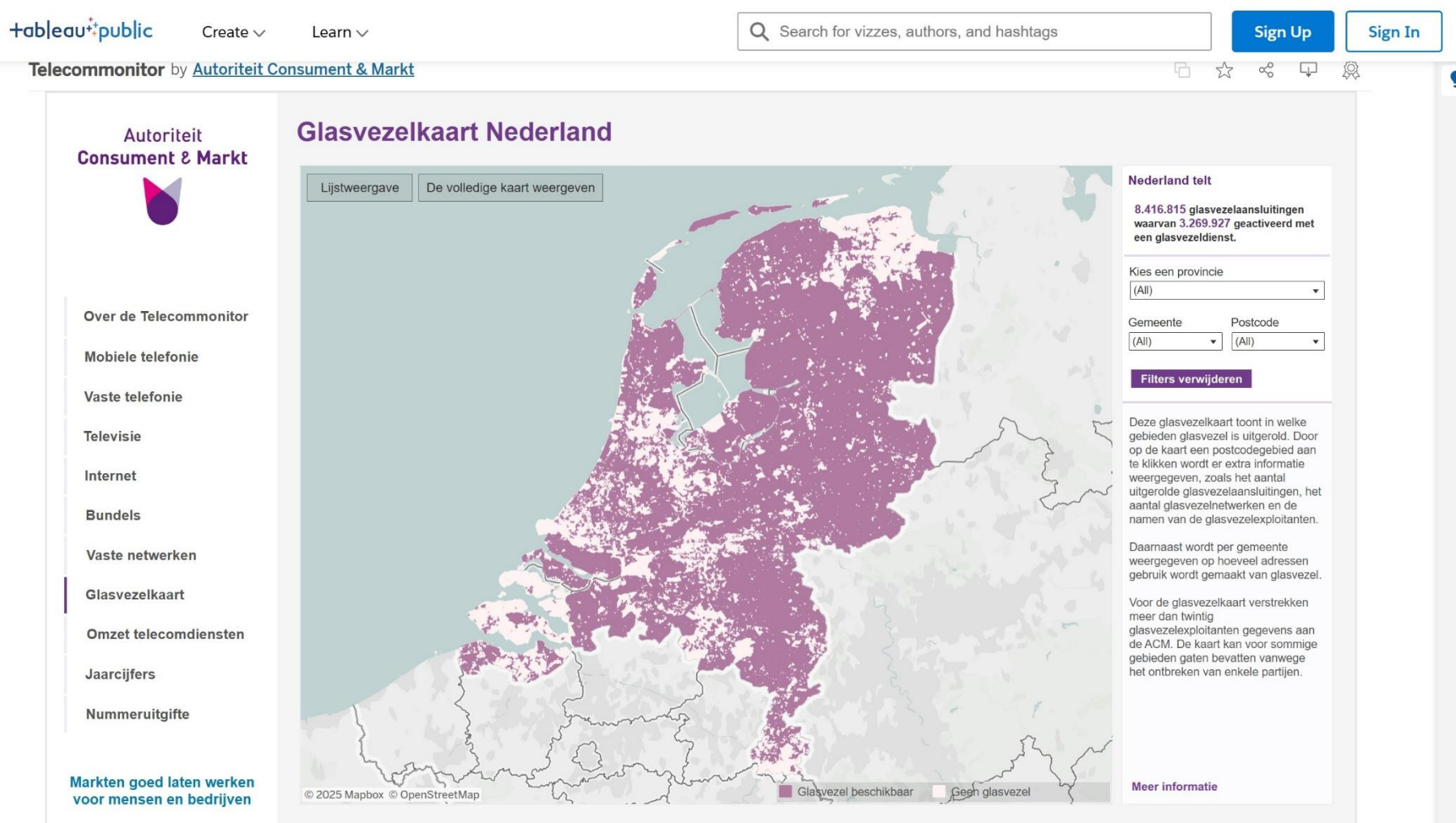
4x per year



Data Collection Requirements



Fiber to the Home



Challenges (overcome)

- Responses and cooperation, based on
 1. Understanding
 2. Easyness
 3. Authority
 - Quality of data
 - Personel
 - Technical challenges
-

Mapping underground infrastructure

- Foundation of infrastructure owners, executed by IT company. Now a part of a government agency (Kadaster).
 - Response within 2 days, in practice 1 hour
 - Handheld devices
 - 1 meter accuracy
 - Future developments (2D vs 3D)
-