

The Netherlands

Cadastre, Land Registry and Mapping Agency

Enabling The Netherlands' energy transition using geo and land administration data

"Integrating authoritative geospatial data with partner data is a necessary step towards solving social challenges."

Frank Tierolff
Chair Executive Board Cadastre,
Land Registry and Mapping Agency,
The Netherlands

Collaboration between the Cadastre, Land Registry and Mapping Agency (Kadaster), regional grid operators and municipalities is supporting The Netherlands' transition to sustainable energy.

Kadaster conducted an exploratory study on the spatial characteristics and potential for adding new transformer stations and collaborated with regional grid operators and municipalities, using interviews to understand their requirements and preferences.

Additionally, it developed a viewer with high quality geospatial information (layers) to identify promising locations for new transformer stations. Work started with a municipal overview map, excluding unsuitable areas and applying filters based on the combined requirements of municipalities and grid operators. The remaining areas were placed in an interactive viewer, allowing municipalities to toggle unsuitable areas on and off, which ensures efficient and effective coordination between both parties.



Benefits

- Provides municipalities with a quick overview of potential locations and quickly excludes unsuitable areas from consideration.
- Offers a clear spatial and interactive assessment of possible locations.
- Allows for integration of requirements and preferences from both parties.
- Simplifies the coordination process between municipalities and grid operators.
- Reduces time and resources spent on site selection and therefore enhances decision-making efficiency.
- Helps to identify challenging areas, allowing for quick action to address them early in the planning process.