

The registration of new solar parks in The Netherlands

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SUMMARY

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As in other countries the Netherlands are working hard to enlarge the capacity of sustainable energy production. One of the results is that more and more solar parks are being developed. The Kadaster monitors this development by mapping the parks from aerial photography, that is the Kadaster registers parks which are more than 1.000 sqm.

The planning of these parks is complex. The Netherlands is a country with high population density so there is always competition in land layouts with other functions like housing, business parks, leisure, infrastructure and agriculture.

Also in terms of energy management an integrated planning of solar parks is efficient from the perspective of an optimal mix in for example solar and wind energy, the use of electricity grids and economies of scale.

Therefore the monitoring of these solar parks is useful. We need information on how many parks there are, spatial context and trends in time. This information allows the Dutch government to act and implement appropriate policies. For example, there are now guide lines to ensure that solar parks use roofs of large buildings first and prevent unnecessary use of agricultural land.

The Kadaster recently investigated the size of solar parks in the Netherlands and the type of soil on which they are located. With the presented information we also attracted a lot of media attention which led to follow-up questions and comprehensive articles. For the FIG working group we would like to share our research methods and experience, and share our experience with the use of this

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information by the governments to make informed decisions and act accordingly.

Objective

- To show how to transform multiple registration data into useful insights about developments on the development of solar parks
- To give an overview of the solar parks and the spatial spread of solar parks in The Netherlands

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