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Provision of a new and innovative dataset for Planned Land Use based on the Dutch paradigm shift from spatial planning to the integrated management of the physical environment

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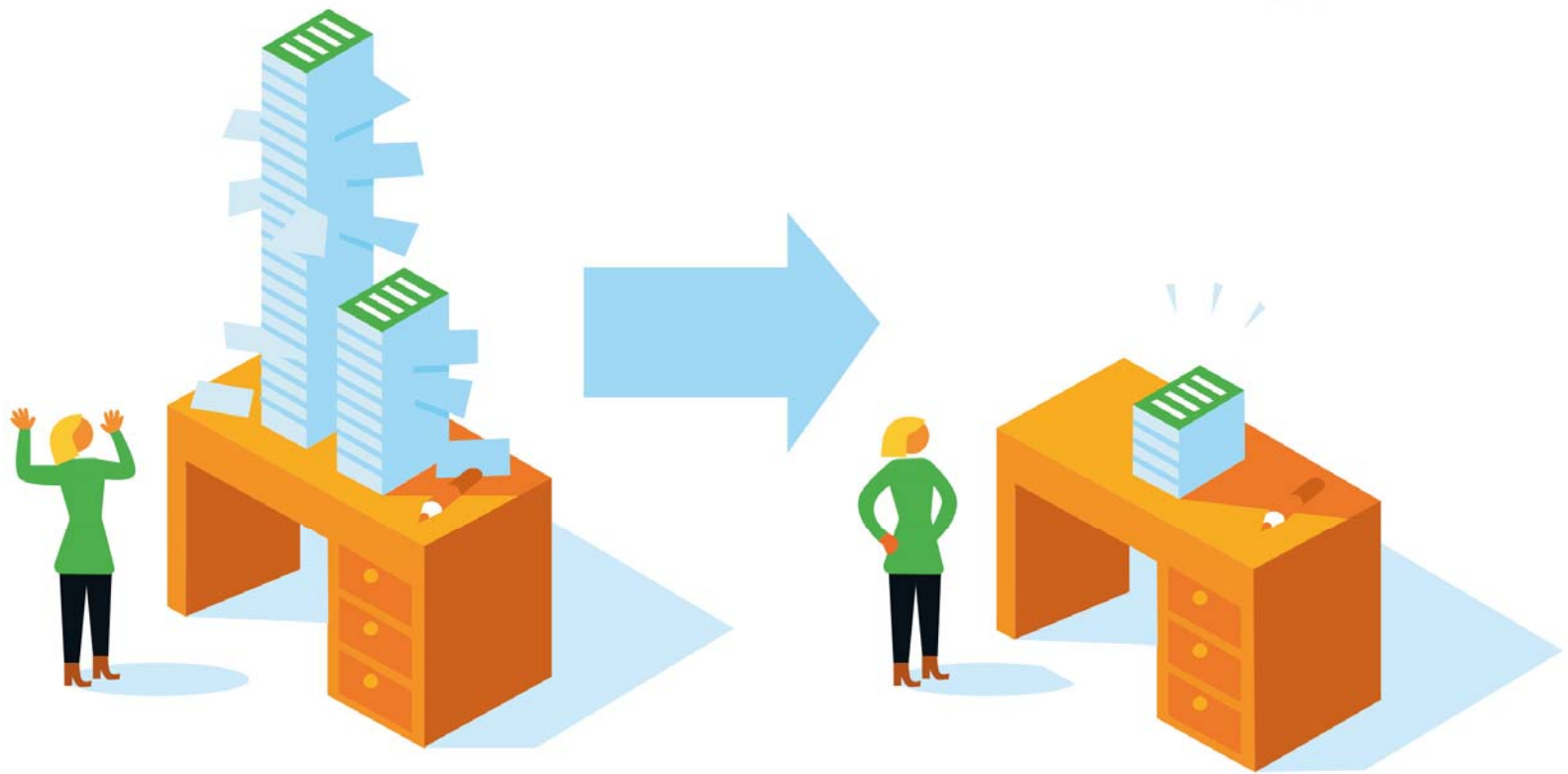
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Environment and Planning Act (EPA)

- Dutch: Omgevingswet
- Published March 2016, into force ~2021
- Combine and simplify the regulations for spatial projects
- More consistent and effective EU environmental legislation

Scope EPA : physical environment

- Buildings
- Infrastructure
- Water
- Soil
- Air
- Landscapes
- The natural environment
- Cultural heritage
- World heritage



Paradigm shifts

- *Approach*: what is allowed → what is possible
- *Policy*: per sector → integrated
- *Processes*: per sector → integrated
- *Information*: per sector → integrated
- *Data*: Maps → Rules

- New integrated digital facility (DSO)

Current NL Planned Land Use Dataset

- One dataset for Planned Land Use (PLU)
- Ruimtelijke plannen
- Data from 2009
- Delivered by Kadaster
- >60.000 plans available
- More or less “map based”

New NL INSPIRE PLU dataset

- Cool, a new dataset *Omgevingsdocumenten!*
- Decided 16 February 2017
- Available from 2021
- Delivered by Kadaster
- Expected +/- 500 physical environment plans
- Transition period ~ 2021-2029
- More or less “rule based”

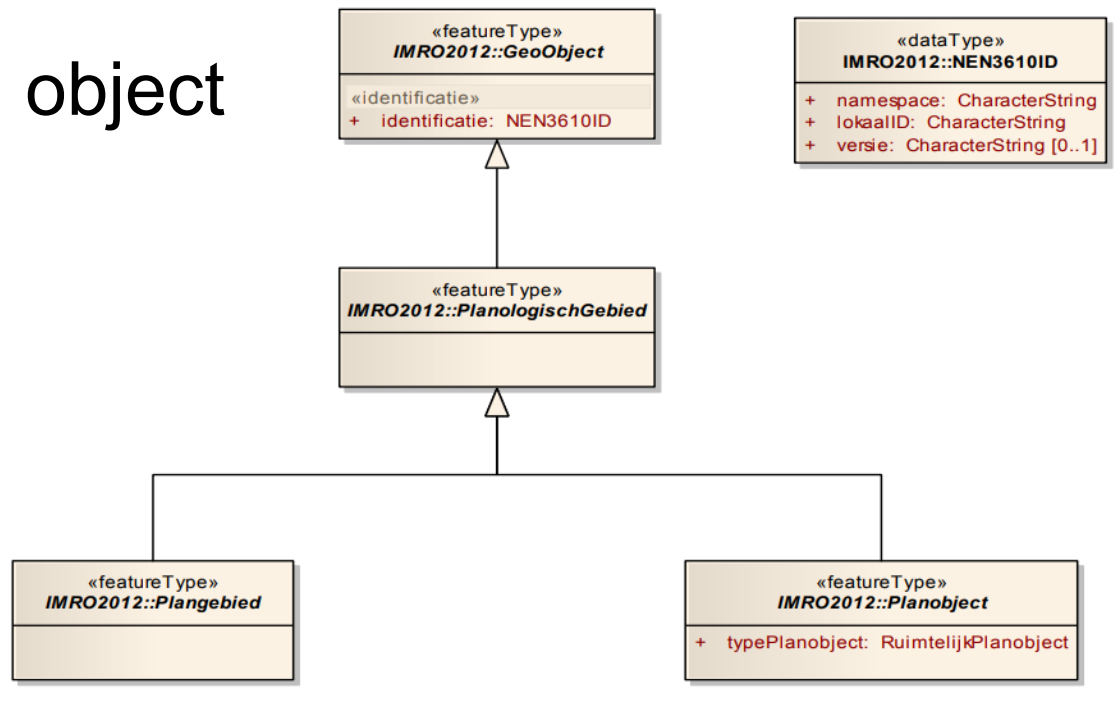


Characteristics new PLU dataset

- Amount of data about the physical environment planning situation will increase
- Conceptual shift from a map-based approach to a rule-based approach
- Full integration of legal text and digital maps
- New possibilities for the use of this dataset
- Challenging for the data user

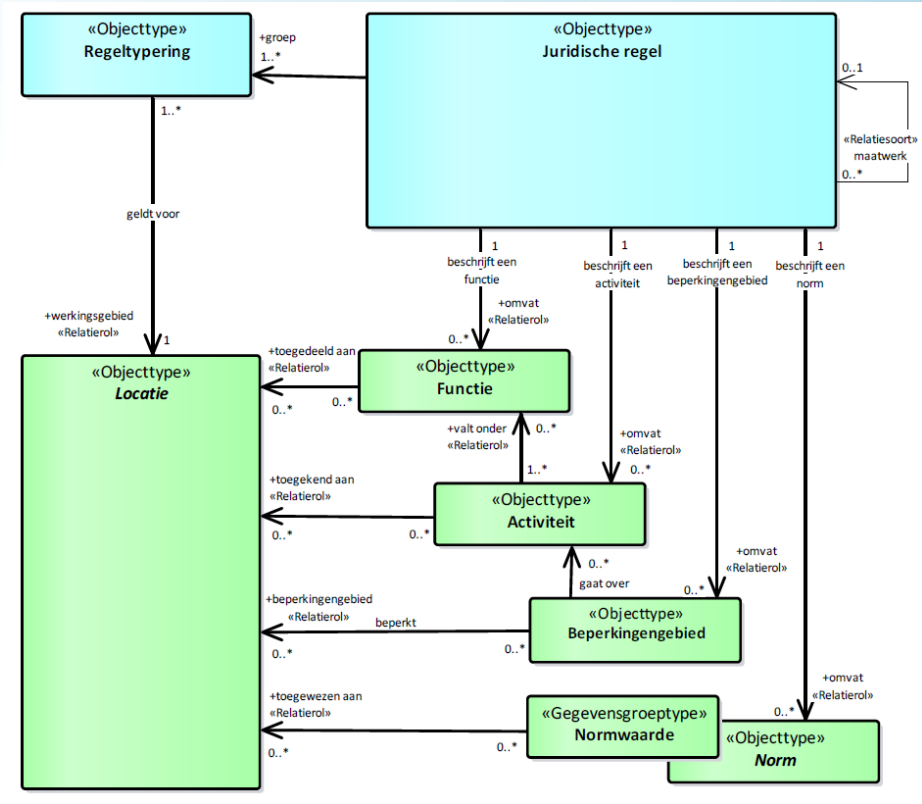
Base geo-model current dataset

Every planning object
is a
geo object



Base geo-model new dataset

Rules about planning objects are valid at a location



Harmonisation challenges

- No “ordinary” geodata with meaningful attributes
- Geometries meaningless without legislative context
- Delivery in NL follows a JSON approach
- OGC View service not trivial
- Download service not trivial

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Exciting times, but a
lot of work still needs
to be done

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