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# ACTIVITY NEW SOFT MEASUREMENT IN LITHUANIA OVER THE LAST 2 YEARS

# 1. From 2018-01-01 all sort of cadastral cases are only virtual:

Land plots

Flats/ apartments/ Areas of the building

Buildings

Engineering constructions

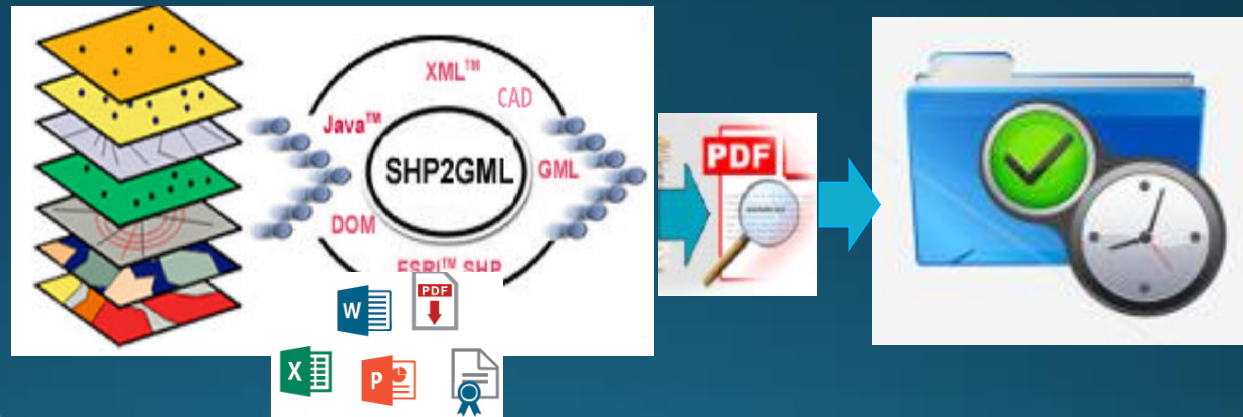


# 2. Standart of national virtual cadastral cases

Accepted specifications, allowing to create virtual cadastral cases in any kind of computer software.

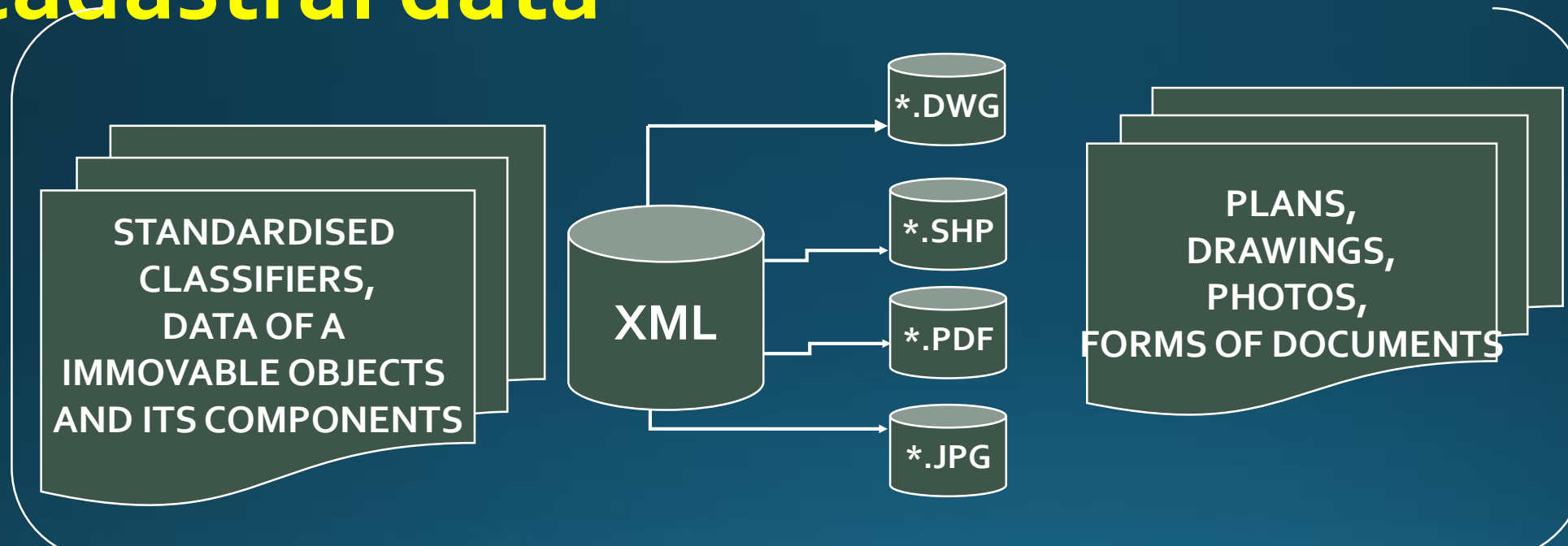
GRAPHIC DATA

ATTRIBUTES DATA

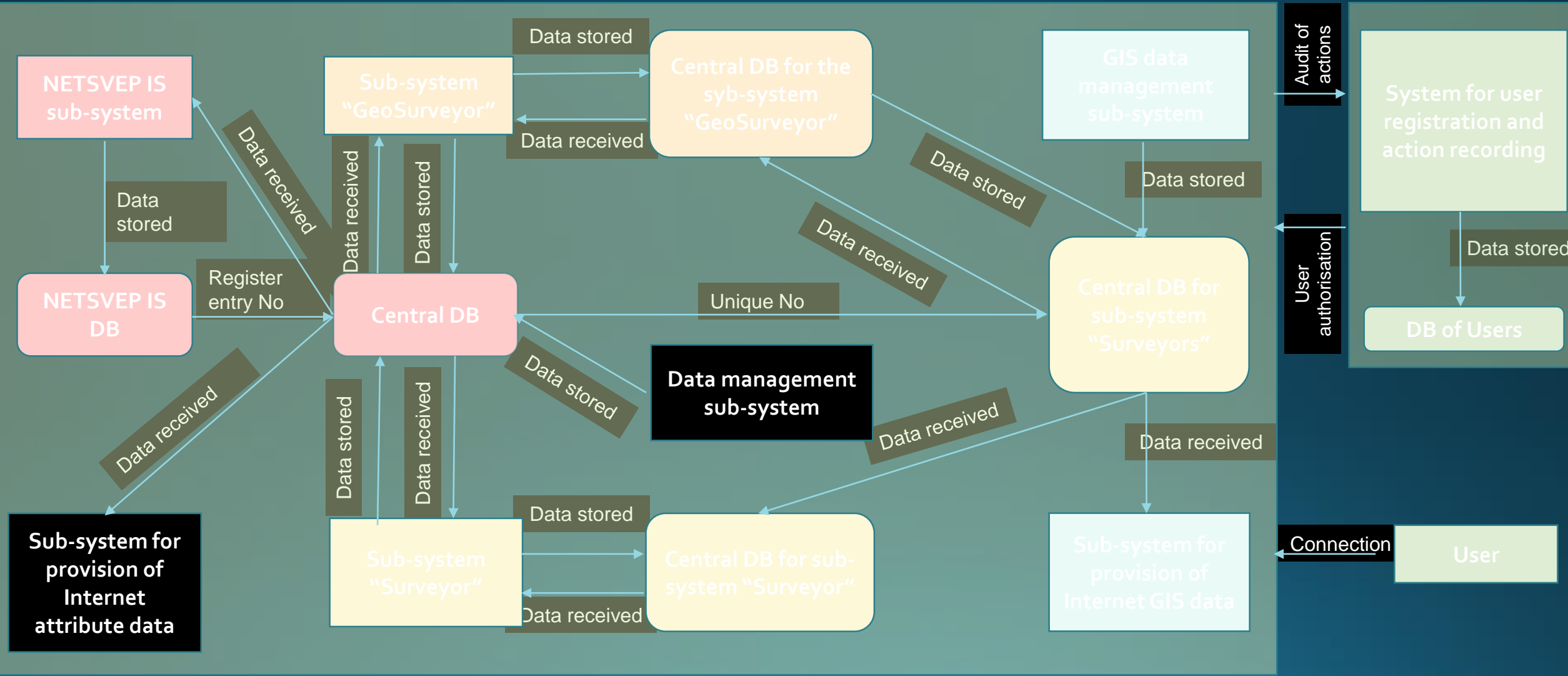


ELECTRONIC SIGNATURE

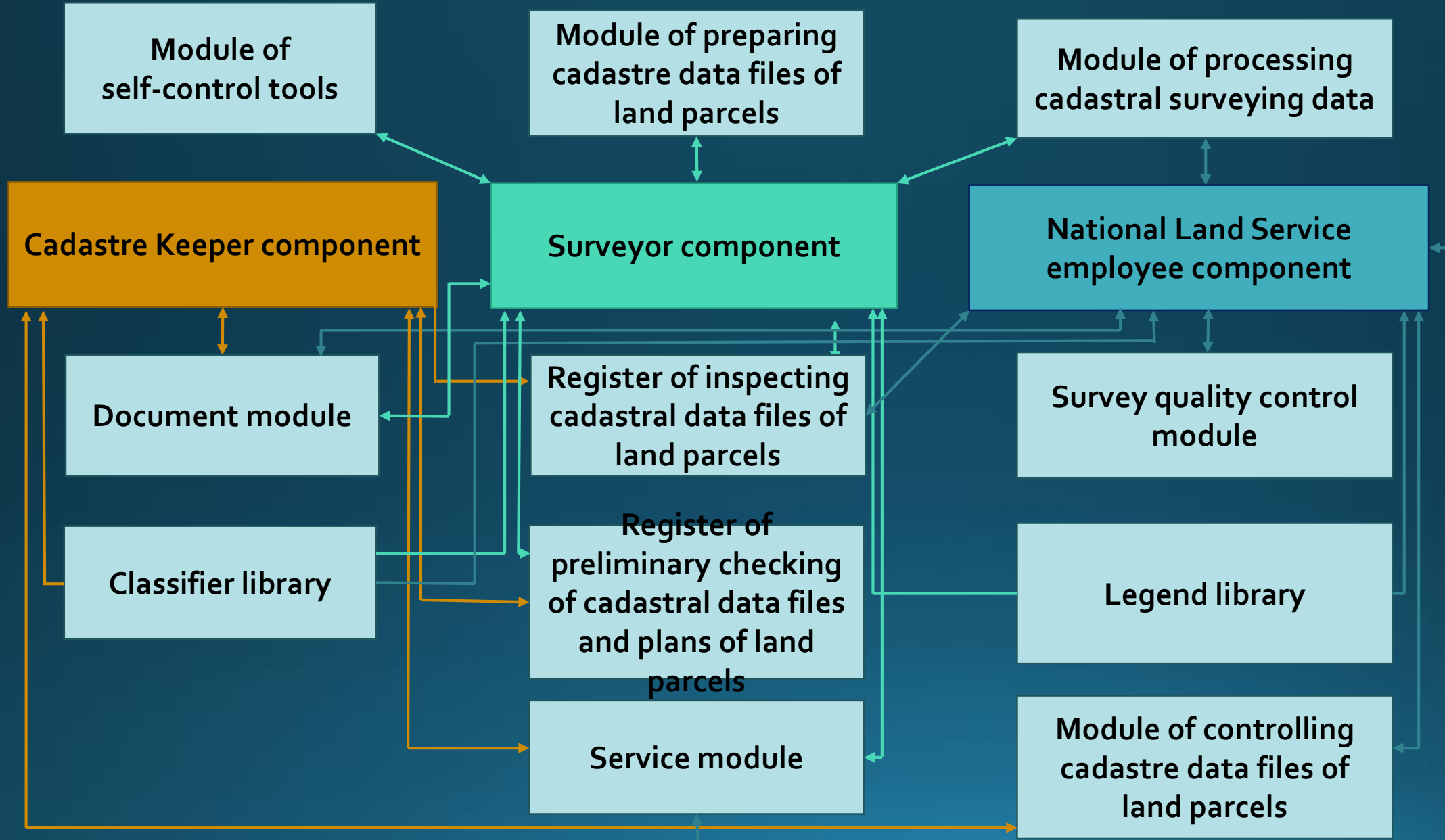
# Structure of the digital package of cadastral data



# INTERNAL INFORMATION FLOWS IN THE IS OF THE REAL PROPERTY REGISTER



# Internal information flows in the Real Property Register Sub-system "GeoSurveyor"

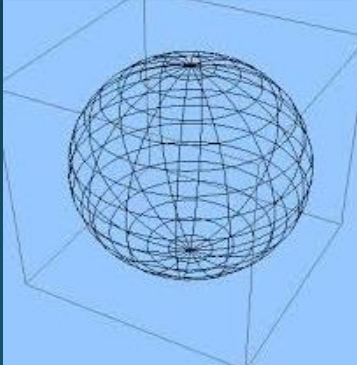


# Electronic land plot cadastral data file

„GeoMatininko“ sistemoje  
sukurti duomenys

VEKTORINIAI  
DUOMENYS IR  
ATRIBUTAI

\*.GML; \*.SHP



Elektroninė žemės  
sklypo kadastro  
duomenų byla

SKLYPO PLANAS

RIBŲ PAŽYMĖJIMO AKTAS

KADASTRO DUOMENŲ  
FORMA

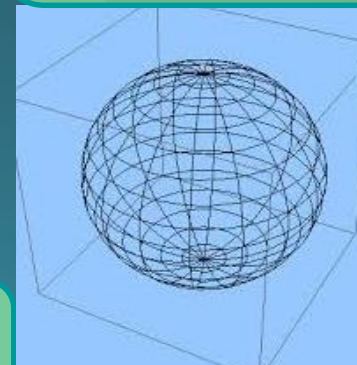
VERTĖS

TERITORIJŲ PLANAVIMO  
DOKUMENTAS



VEKTORINIAI  
DUOMENYS IR  
ATRIBUTAI

\*.DWG; \*.DXF



Bet kuria CAD programine  
įranga sukurti duomenys





# 3. Rules of modern cadastral measurements and cases

## Applied to create electronic cadastral cases

Land plots

Flats/ apartments/ Areas of the building

Buildings

Engineering constructions

## 4. National rules of creating virtual cases and harmonisation from 2019-05-26

In detail says how to create cases and apply them for harmonisation

Until today is valid order accepted by Director of State Enterprise Centre of Registers

## 5. TOPD

# Order of Lithuanian minister of agriculture For topographic plans and engineering network harmonization description

<https://www.geoportal.lt/extra-services-webapp/views/topd/serviceInfo.jsf>

<https://www.geoportal.lt/topd/topdmap/process.view>

Large scale topographic plans and engineering network harmonisation (TOPD) its public online service allowing to check the documents in responsible institutions, harmonisation in municipalities and track the status of the submitted project.

Users can get news updates about engineering network in the area of interest.

Plan engineers TOPD allows checking if their area of interests is harmonised according TOPD procedures.

Altitudes in database is transferred to LASo7 (Lithuanian height system).



<https://www.geoportal.lt/geoportal/el.-paslaugos>

<https://www.geoportal.lt/extra-services-webapp/views/topd/serviceInfo.jsf>

<https://www.geoportal.lt/topd/topdmap/process.view>



## 6. TIIS

# Creation and Implementation of the Topography and Engineering Infrastructure Information System and New e-Services

<http://www.gis-centras.lt/projektai/tiis/>

**Project aim:** to provide users with qualitative spatial data of topographic and engineering infrastructure, ensure smooth and convenient provision of the related e-services.

**Expected result:** increased accessibility to spatial data; reduced service provision time; conditions created to develop value added IT products; reduced number of errors when using data

**Project is targeted** at the specialists and spatial data administrators

**Duration of the project:** 2018-2021

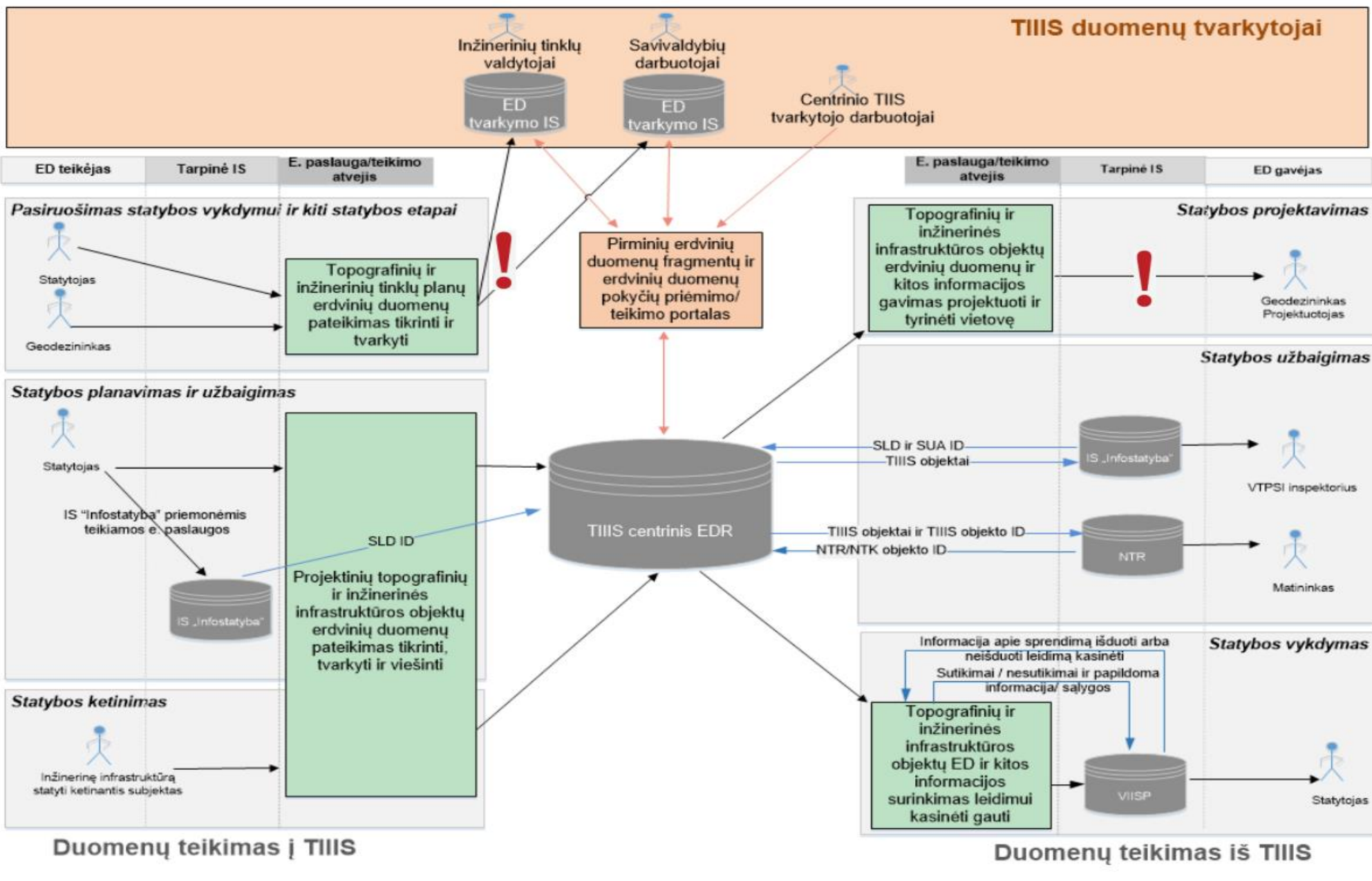
## Project goals:

To develop information and communication technology solutions for storage and usage of spatial data of topographic and engineering infrastructure by ensuring centralised user access to these spatial data

To develop e-services related to storage and usage of spatial data of topographic and engineering infrastructure by creating new customer-oriented e-services and restructuring the existing services in a complex way

To develop technological solutions for life-cycle of buildings by ensuring data exchange interfaces with external IS/registers







Thank you for your attention

Questions?