

# ICPE & SloGeoLab

Real estate e-services  
Infrastructure Cadastre & Call before you dig

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**SLO**geodeticcompany





## CADASTRE IN SLOVENIA

TECHNICAL DATA	OWNERSHIP
LAND CADASTRE (Surveying and Mapping Authority of the Republic of Slovenia)	LAND REGISTER (Supreme court of the RS)
BUILDING CADASTRE (Surveying and Mapping Authority of the Republic of Slovenia)	LAND REGISTER (Supreme court of the RS)
CADASTRE OF PUBLIC INFRASTRUCTURE (Surveying and Mapping Authority of the Republic of Slovenia)	Not possible. Only servitude on parcel in Land register.

## CADASTRE OF PUBLIC INFRASTRUCTURE

TECHNICAL DATA	OWNERSHIP
CADASTRE OF PUBLIC INFRASTRUCTURE (Surveying and Mapping Authority of the Republic of Slovenia)	CADASTRE OF PUBLIC INFRASTRUCTURE (Surveying and Mapping Authority of the Republic of Slovenia)
Not connected with Land cadastre	Not connected with Land register
<b>ESTABLISHED</b>	<b>PREPARING THE LAW</b>

# PUBLIC INFRASTRUCTURE

## 1. TRAFIC INFRASTRUCTURE

(roads, railways, airports, harbours)

## 2. ENERGY SUPPLY INFRASTRUCTURE

(power lines, gas supply, heat supply, pipelines)

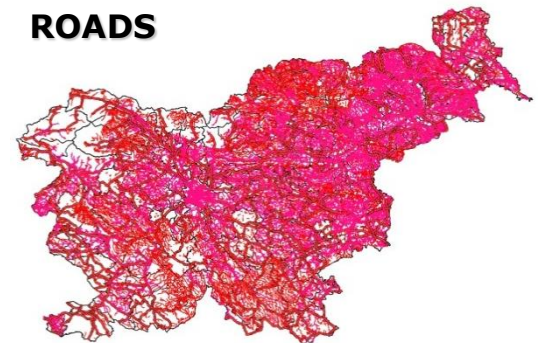
## 3. MUNICIPAL INFRASTRUCTURE

(water supply, sewage system)

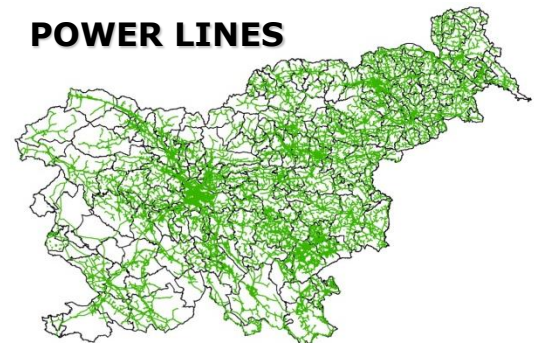
## 4. WATER INFRASTRUCTURE

## 5. TELECOMMUNICATION NETWORKS

**ROADS**



**POWER LINES**



**TELECOMMUNICATION NETWORKS**



# **HISTORY**

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**2003 - Spatial Planning Act**

**2004 - detailed instructions for the contents of the cadastre of public infrastructure (PI)**

**2005 – Establishment of system of Cadastre of Public Infrastructure**

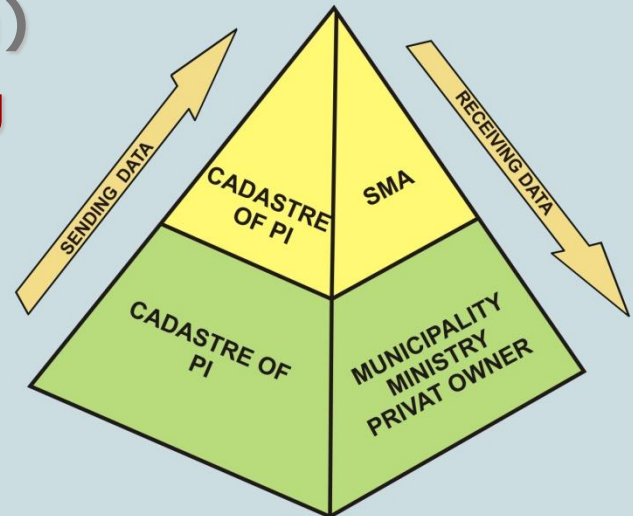
**2006 – Informatization of system of Cadastre of Public Infrastructure**

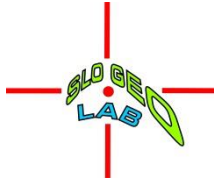
**2010 – approximate 75% data complete**

**2012 – expansion of the system for broadband Internet access**

## PURPOSE

- **Distribution of basic data on public infrastructure networks**
- **Protection of space where lies public infrastructure**
- **Connection to more precise data on public infrastructure networks**  
(infrastructure owners data)
- **Support for spatial planning**
- **Damage prevention**



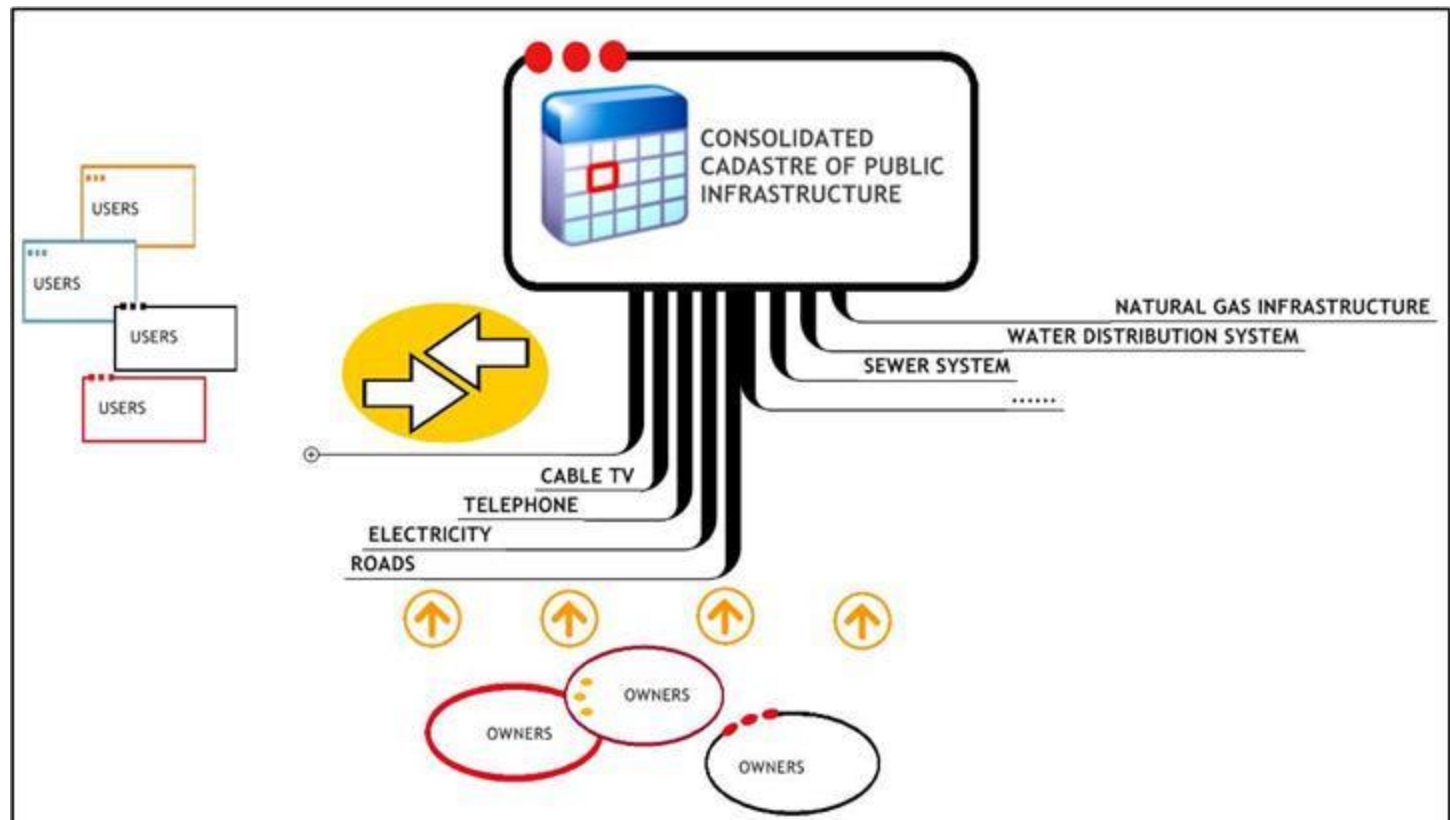


## **WHY CENTRAL CADASTRE OF PI**

- **lack of information of existing PI** (statistics at the national level, the basis for strategic decision-making, particular location)
- **time-consuming procedures of obtaining PI data** (many different owners)
- **use of non-up-to-date PI data in various applications and processes**
- **non-standardized PI data** (various formats, data entry methodologies and varying quality)

## COOPERATING IN THE PROCESS

**Cadastre of public infrastructure joins producers and users of data.**





# ACCESS TO PI DATA

The screenshot displays the 'PREVZEM GEODETSKIH PODATKOV ZA OBČINE' (Download Geodetic Data by Municipality) interface. The page is titled 'Zbirni kataster gospodarske javne infrastrukture' (General Catalogue of Economic Public Infrastructure). The user is identified as 'Testni Uporabnik' (Test User).

**Občina:** [Ljubljana] (Občina: LJUBLJANA - 5874025)

**Prezem zadnjih veljavnih podatkov** [?]

Datum veljavnosti podatkov: 16.11.2007

Vrsta infrastrukture: 1100 - CESTE

Format podatkov: ☒ GML

**Prezem podatkov**

**Paketni prezem** [?]

Datum veljavnosti podatkov: 14.11.2007

Format podatkov: ☒ GML ☐ SHP

**Prezem podatkov**

**Mapa:** A map of Slovenia showing the network of roads (red lines) and other infrastructure.

**Legenda:**

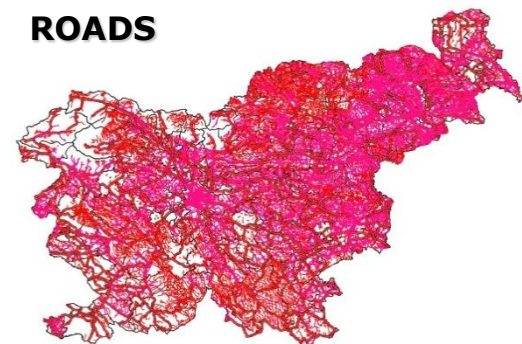
- Državne ceste (Red line)
- Občinske ceste (Blue line)
- Železnice (Black line)
- Vodovod (Blue line)
- Kanalizacija (Brown line)
- El. komunikacije (Green line)
- Vodna infrastruktura (Blue line)
- Toplotna energija (Orange line)
- Odpadki (Green line)
- Zemeljski plin (Yellow line)
- Žičnice (Black line)
- Pristanišča (Blue line)
- Letališča (Purple line)
- Nafta (Black line)

**LEGENDA**

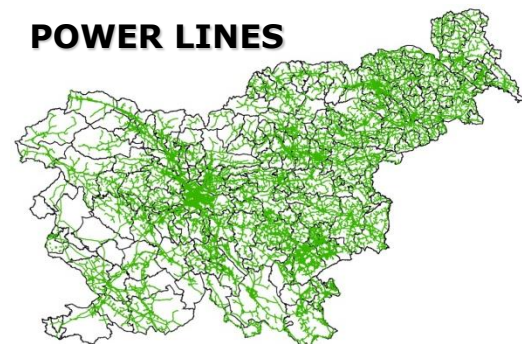
# DATA SUMMARY

Network	Length (km)	Complete (%)
Roads	50.000	98%
Railways	2.500	100%
Power lines	26.000	70%
Gas supply	3.300	95%
Heating supply	500	90%
Water supply	18.000	85%
Sewage systems	6.000	85%
Telecommunication networks	37.000	75%
$\Sigma =$	143.300	85%

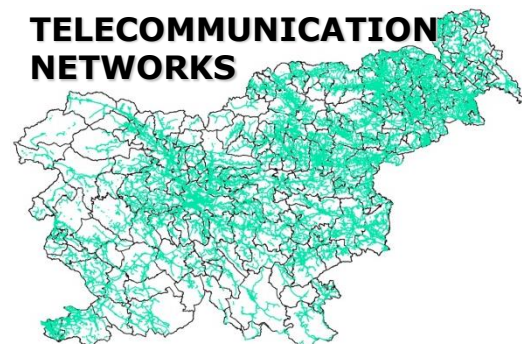
## ROADS



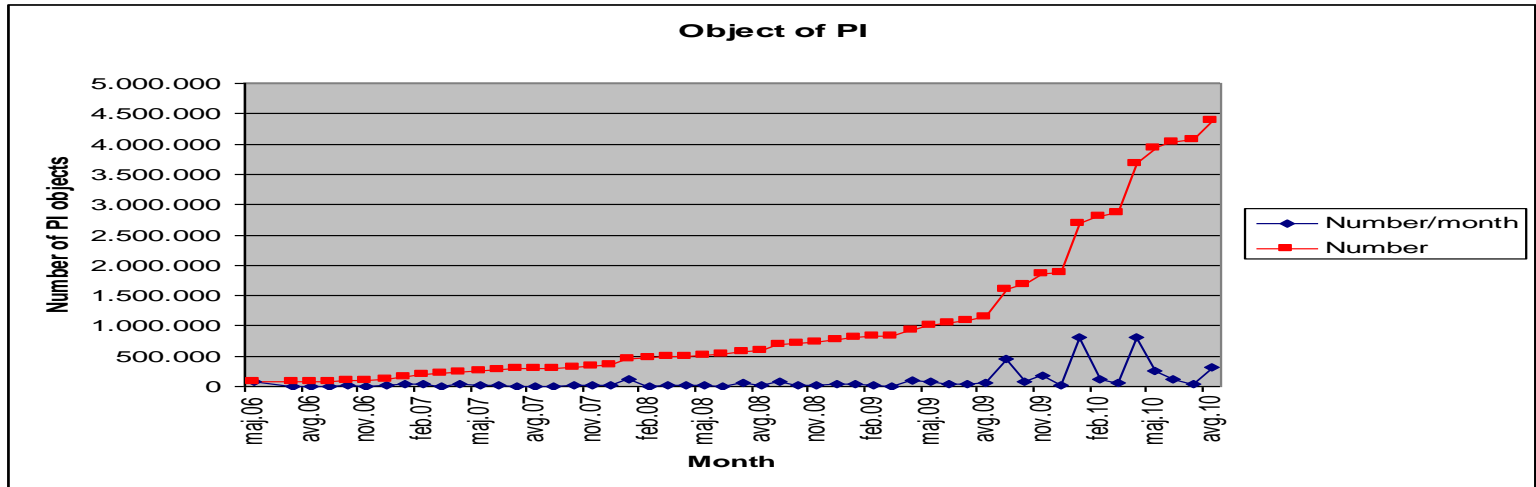
## POWER LINES



## TELECOMMUNICATION NETWORKS

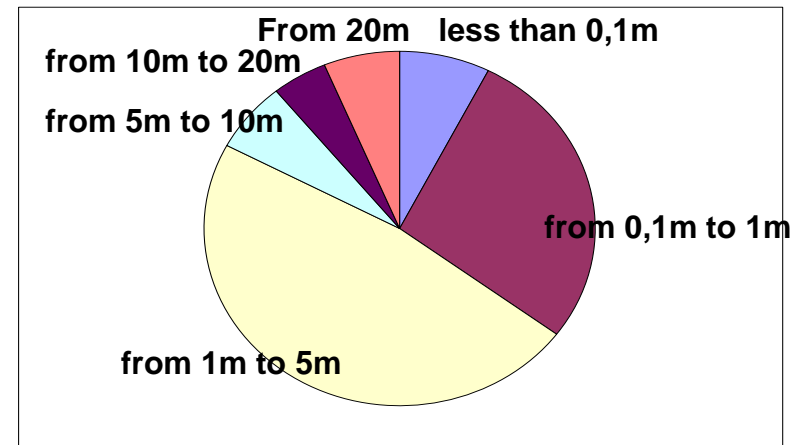


# DATA QUALITY



**Data completeness**

**Positioning accuracy**





## EXPERIENCES

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- **completeness is more important than accuracy**
- **rationalization of obtaining and using of data**
- **owners are increasingly aware of the importance of records** (streamlining of the company due to better record)
- **satisfaction to both users and owners**
- **the need for registration of ownership on PI**
- **the need for complex data services**
- **interdisciplinary field with many involved entities**



## **FURTHER INFORMATION**

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- **system for PI protection (Call before you dig)**
- **system for broadband Internet access (Digital Agenda 2020)**



## "CALL BEFORE YOU DIG"




Foto Igor Zaplatil

### Gas pipeline bored through by accident

**Ljubljana** – Yesterday at noon, the Ljubljana professional firemen hurried to Bratislavska Street, where workers engaged in road works not far from the Bauhaus Store broke through the gas pipeline by accident. The quantity of natural gas which leaked into the air and into the shafts could cause an explosion. Employees from the nearby business premises hosting Siemens, Kia and Chrysler were evacuated, the vicinity was secured by the police who, for a short period of time, also closed the road, and the Gas Company employees closed the valves, thereby isolating the damaged portion of the pipeline. Firemen from Vojkova Street (five men with two cars) were then pumping out the gas from the shafts leading to the nearby buildings until 3.00 p.m., when the danger was over. An investigation will follow. Also to be found is the amount of the damage caused and who will pay for it. **K.D.**

# WEB "CALL BEFORE YOU DIG"

MINISTRSTVO ZAKOLJE IN PROSTOR  
GEODETSKA UPRAVA REPUBLIKE SLOVENIJE



# PROSTOR

PROSTORSKI PORTAL

Pokliči preden kopljaš

Odjava

Uporabnik: niko23

Odjava

Menu

Osnovna stran

Obrazci

## Zahtevek za pridobitev informacij o zasedenosti prostora z gospodarsko javno infrastrukturo

Razlog za pridobitev informacij \*

Gradbeno dovoljenje \*

Lastništvo zemljišča \*

Način izvedbe posega \*

Čas trajanja posega (od - do) \*

Dodatni opis

Graditev drugega objekta

Graditev objekta

Zemljišče

Ročni izkopi

2.2.2009

**Lokacija**

Občina:


Ulica / Hišna številka:

Katastrska občina:

Parcela:

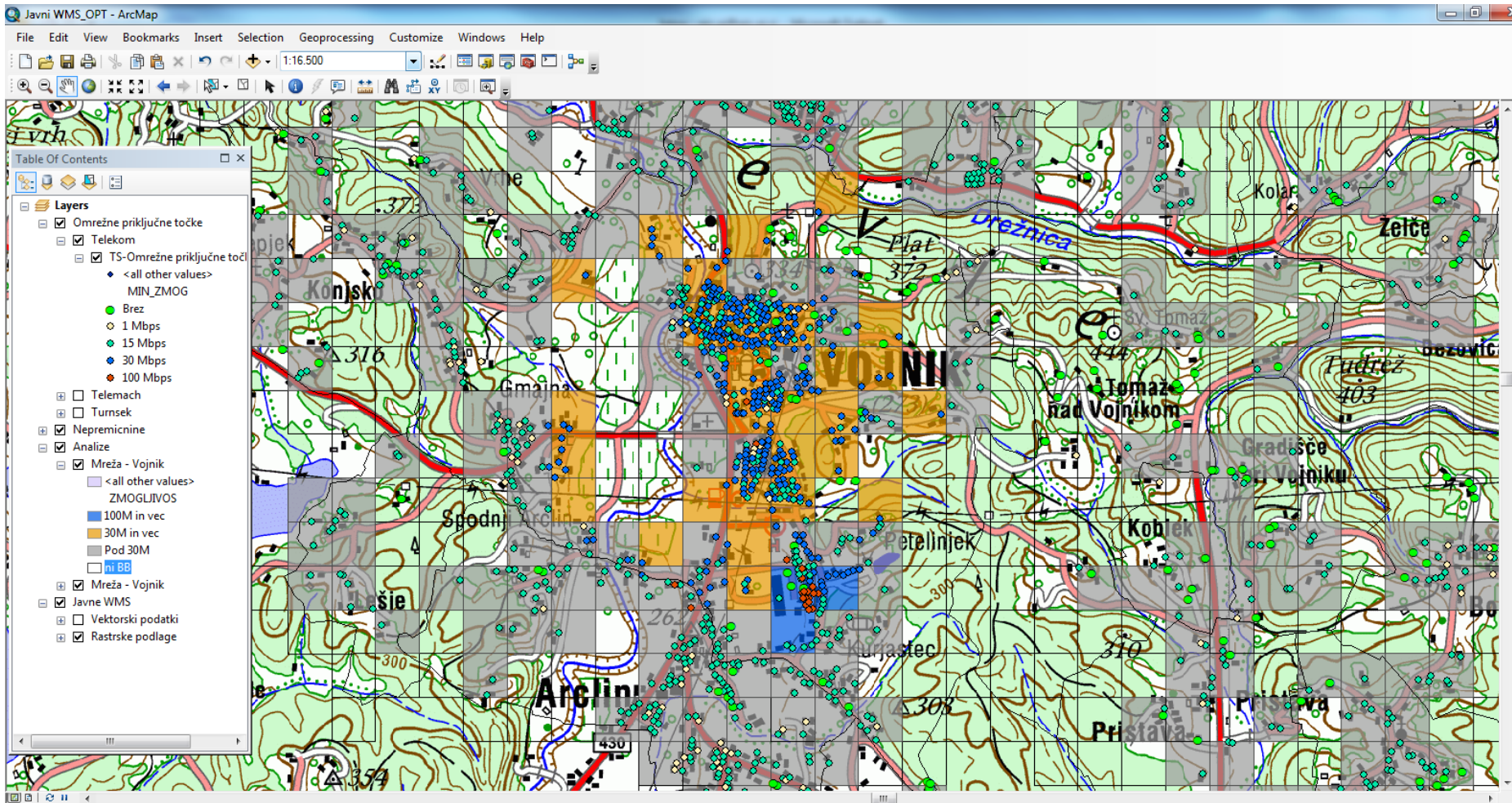
[\\* Prikaz lokacije in risanje](#)

Polja, ki so označena z \* je potrebno obvezno izpolniti



Merilo 1: 1000







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# Thank you for your attention

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