



e-Governance
Conference
Tallinn. Estonia

Trembita: 5 years of impact on Ukrainian society

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Organisers:



REPUBLIC OF ESTONIA
MINISTRY OF FOREIGN AFFAIRS





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What is Trembita?

**Trembita is a wind
musical instrument.**

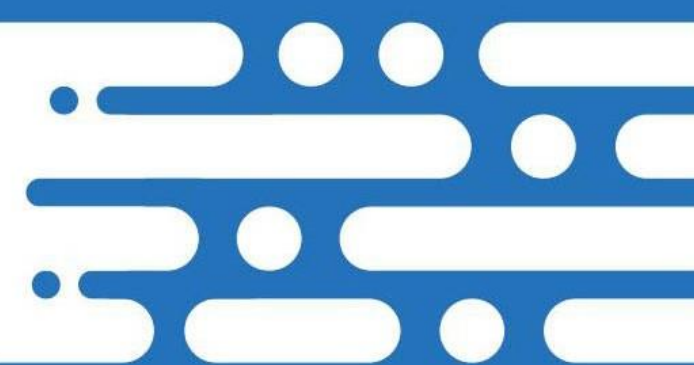




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**Trembita is Ukrainian
interoperability
system.**

трємбіта

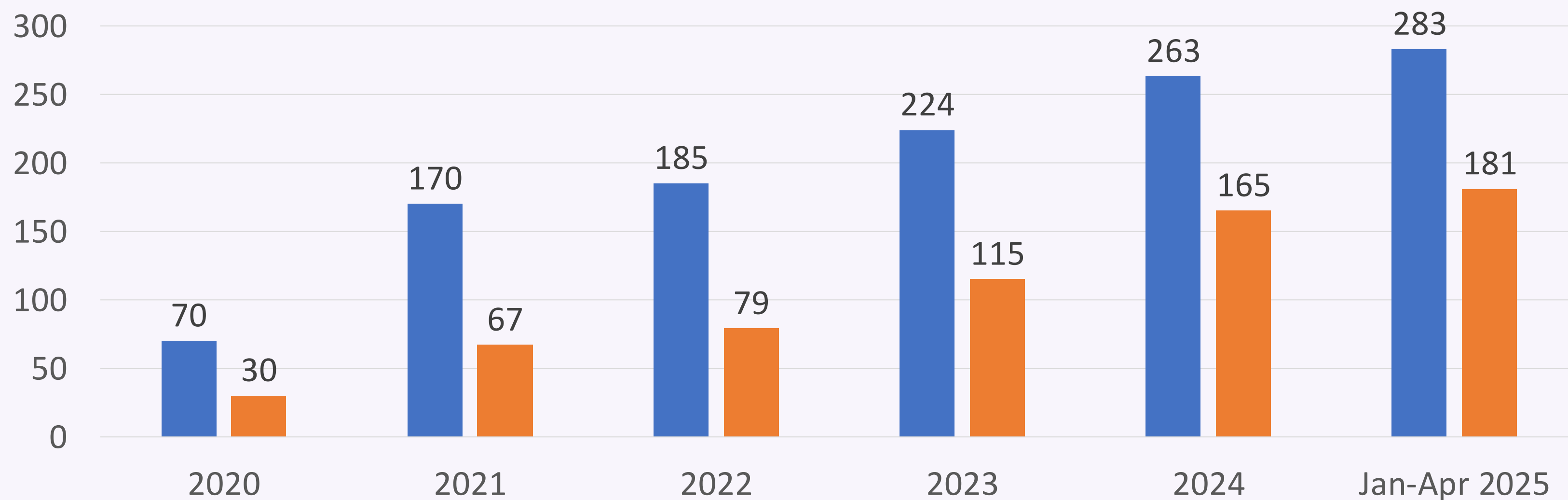


Trembita establishment path:





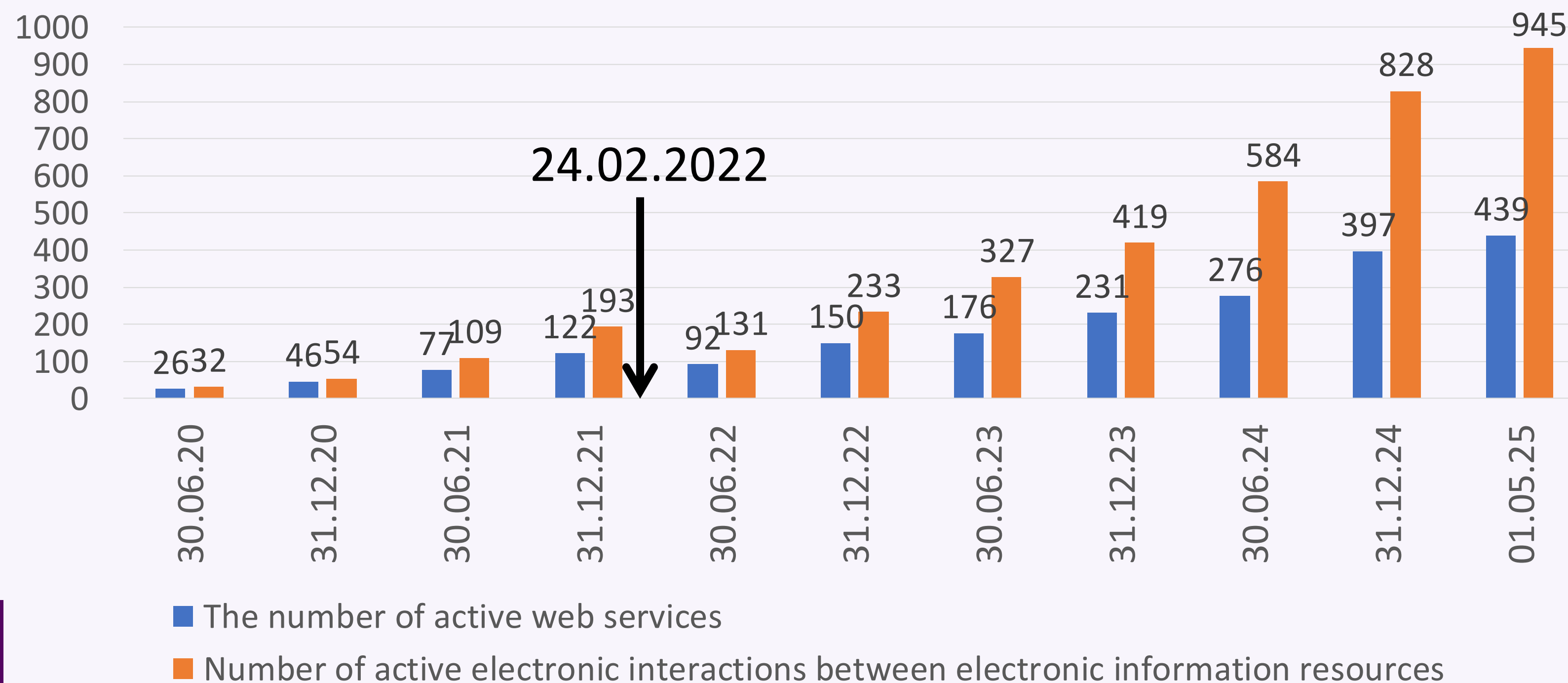
Trembita implementation path:



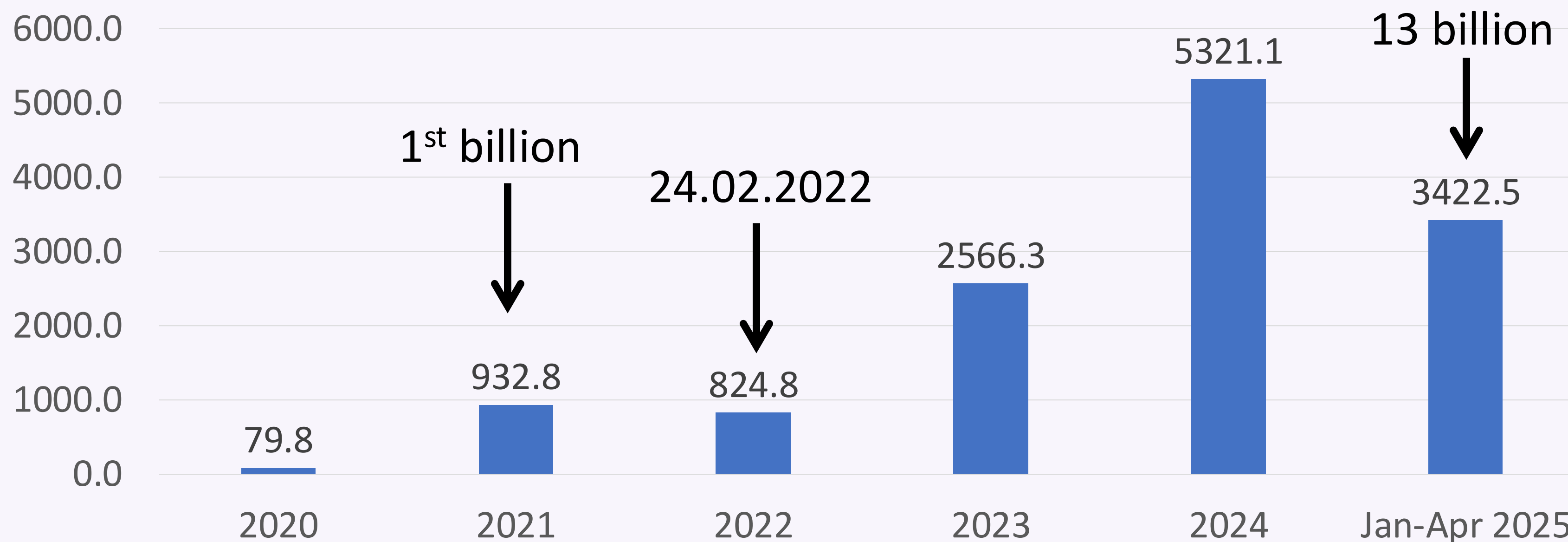
■ Number of participants of the Trembita system
■ Total number of EIRs connected to the Trembita System (production environment)

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Trembita implementation path:



Trembita implementation path:



Number of transactions in the Trembita System (in millions)

Trembita-based services:

TOP 5 data providers through Trembita system (Q1 2025)

1. The State Register of Civil Status Acts of Citizens (Ministry of Justice) – 36,8%
2. The State Register of Individuals – Taxpayers (State Tax Service) – 25,1%
3. The Unified State Electronic Database on Education (Ministry of Education) – 7,4%
4. The State Register of Mandatory State Social Insurance (Pension Fund) – 5,3%
5. The Unified State Register of Conscripts and Reservists (Ministry of Defence) – 3,3%

Trembita-based services:

TOP 5 data receivers through Trembita system (Q1 2025)

1. The DIIA portal and mobile application DIIA (Ministry of Digital Transformation) – 64,7%
2. The Analytical platform of electronic verification and monitoring (Ministry of Finance) – 5,7%
3. The Unified State Register of Conscripts and Reservists (Ministry of Defence) – 5,1%
4. The Electronic Health Care System (Ministry of Health) – 3%
5. The Electronic Cabinet for Conscripts and Reservists (Ministry of Defence) – 2,4%



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Trembita-based services:

eGA contribution:

- 3 projects
 - Trembita system development and implementation
- 40 electronic information interactions for the DIIA ecosystem
- 300 interactions for electronic systems of other authorities

Trembita-based e-services:

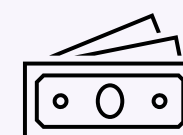
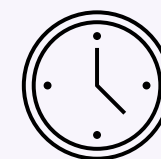
1. e-Baby
2. ID-14
3. e-Entrepreneur
4. u-Resident
5. Marriage application
6. Reserve+
7. Education Diploma Supplements
8. Electronick sick leave
9. Compensation for damage or destroyed property
10. Employee military reservation



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Measuring of Trembita implementation effect:

- Saved time
- Saved cost
- Reduction of CO emissions





Trembita implementation effect: saved time

- Average saved time per 1 e-service – 7,3 hours
- Average number of Trembita transactions per 1 e-service - 73
- Average saved time for 1 transaction: 0,1 hour \approx 6 min.
- Total saved time: number of Trembita's transactions X 0,1 hour.

Assumptions:

The travel time to the Services Office and return is 1 hour.

Waiting time in the queue is 0.5 hour.

Service time – 0.33 hour (20 minutes).

Total time spent on receiving 1 offline service – 1,83 hour.



Trembita implementation effect: saved cost

- Average saved cost per 1 e-service – 280 UAH
- Average number of Trembita transactions per 1 e-service - 73
- Average saved cost for 1 transaction: 3,83 UAH (0,082 EUR).
- Total saved cost: number of Trembita's transactions X 3,83 UAH (0,082 EUR).

Assumptions:

The cost of the trip to the Services Office and return - 70 UAH.

The cost of a trip for a distance of 30 km was used for the calculation. (15 km one way) by bus/car.



Trembita implementation effect: emissions reduction

- Average reduction of emission per 1 e-service – 120 gram.
- Average number of Trembita transactions per 1 e-service - 73
- Arithmetic average reduction of CO emissions per 1 transaction: 1,64 gram.
- Total reduction of CO emissions : number of Trembita's transactions X 1,64 gram.

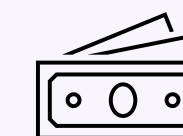
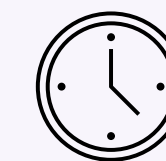
Assumptions:
The trip distance is 30 km.
CO emissions per 1 km - 1 gram.
CO emissions on the trip – 30 gram.



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Trembita implementation effect: impact on society

- Saved time: $13 \text{ B} \times 0,1 \text{ hour} = 1\,301\,279\,824 \text{ hours}$
 $\approx 161\,369 \text{ years}$
- Saved cost: $13 \text{ B} \times 3,83 \text{ UAH} = 49\,775\,730\,991 \text{ UAH}$
 $\approx 1\,059\,058\,106 \text{ EUR}$
- Reduction of CO emissions: $13 \text{ B} \times 1,64 \text{ gram} = 2\,133\,245\,614 \text{ gram}$
 $\approx 21\,332,456 \text{ tons}$





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Q&A session



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**Data must run,
not people!**



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Thank you!

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