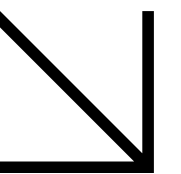




SI2PEM: Building Public Trust Through Digital Transparency

si2pem.gov.pl

Presented By:
Rafał Januszkiewicz

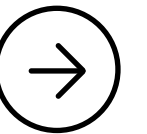


Planned measurements

Submitted installations



SI2PEM: Building Public Trust Through Digital Transparency



SI2PEM is Poland's nationwide public platform providing verified information on EMF exposure generated by mobile network infrastructure.

Supports transparency, accountability and informed public dialogue.

Trusted source for citizens, regulators, local governments and operators.



Rapid deployment of 4G/5G networks increased demand for reliable EMF information.

Need for one authoritative and transparent source of data.

Supports evidence-based communication and reduces misinformation.

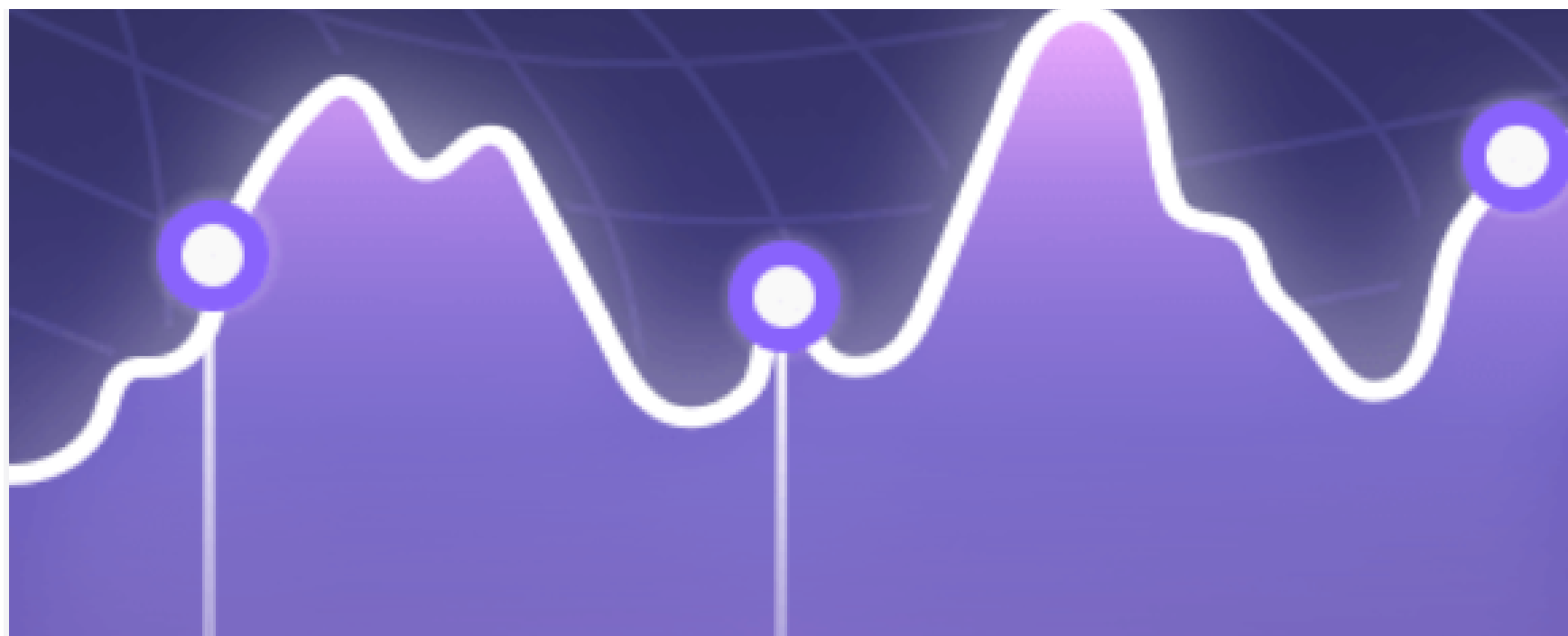
Why SI2PEM Was Created



EMF and how to check it

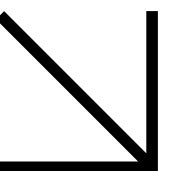
We explain the basics and show you how the SI2PEM system works. Learn how to use the map and interpret the results.

What Data Does SI2PEM Provide?



 si2pem.gov.pl

- ✓ Locations of mobile network base stations.
- ✓ EMF measurement results and reports.
- ✓ Continuous monitoring data.
- ✓ Historical records and statistics.
- ✓ Measurement schedules and information on new installations.
- ✓ Coverage: 38,000+ base stations and nearly 2 million measurement points.



How Data Becomes Information in SI2PEM



Field measurements performed by accredited laboratories.



Data verification and quality control.



Integration of measurements, infrastructure and monitoring data.



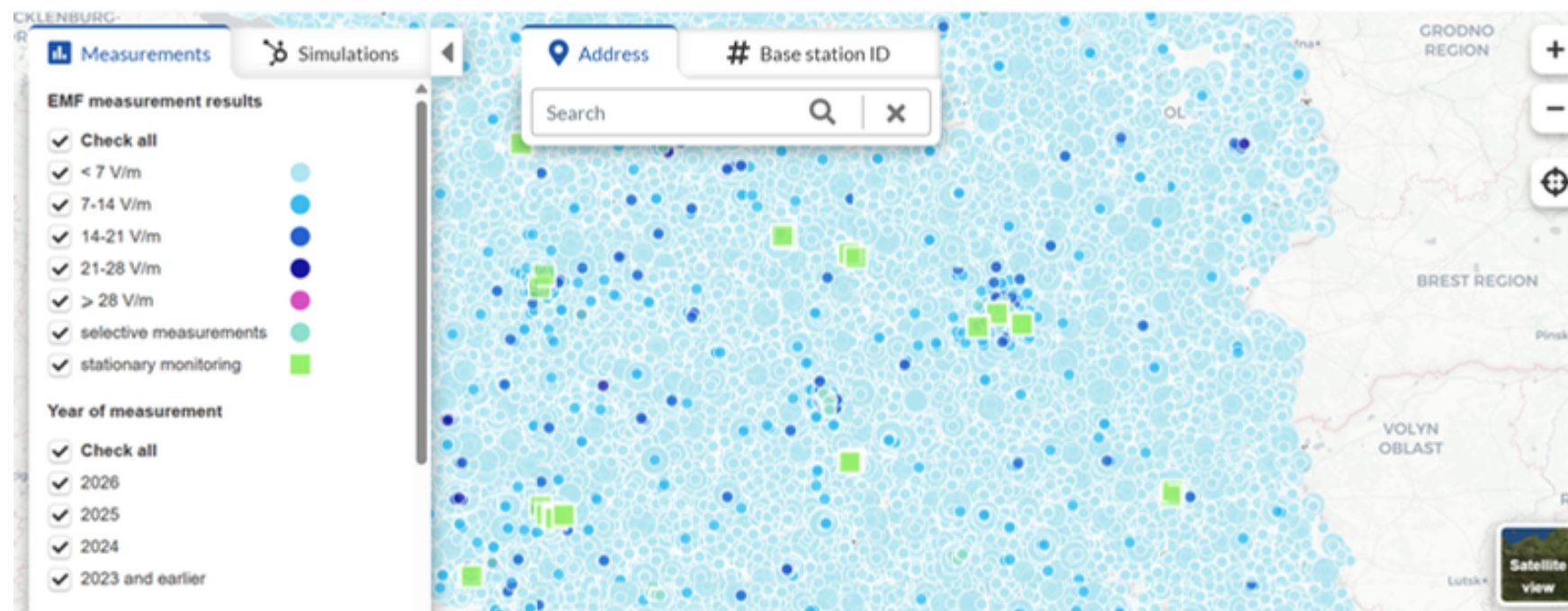
EMF modelling, analysis and statistical processing.



Publication through the public EMF map and reporting tools.

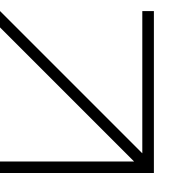


Key Functionalities of SI2PEM



si2pem.gov.pl

- ✓ Interactive EMF Map – visualises EMF levels and infrastructure locations
- ✓ Base Station Information – location, technical parameters and measurements.
- ✓ Statistics & Reporting – national and regional summaries and trends.
- ✓ Continuous Monitoring – real-time data from monitoring stations.
- ✓ Measurement schedules and information on new installations.
- ✓ Public Access – open information for all stakeholders.



✓ Act on Supporting the Development of Telecommunications Services and Networks ('Mega Act').

✓ Minister of Health Regulation – EMF exposure limit of 61 V/m.

✓ Minister of Climate Regulation – national measurement methodology.

✓ Minister of Health Regulation – EMF exposure limit of 61 V/m.

✓ Aligned with European Recommendation 1999/519/EC.

SI2PEM

EMF Map

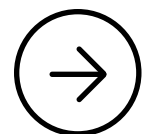
Electromagnetic field intensity map

On the interactive map, you can check the detailed distribution of EMF intensity throughout Poland – with accuracy down to single meters.

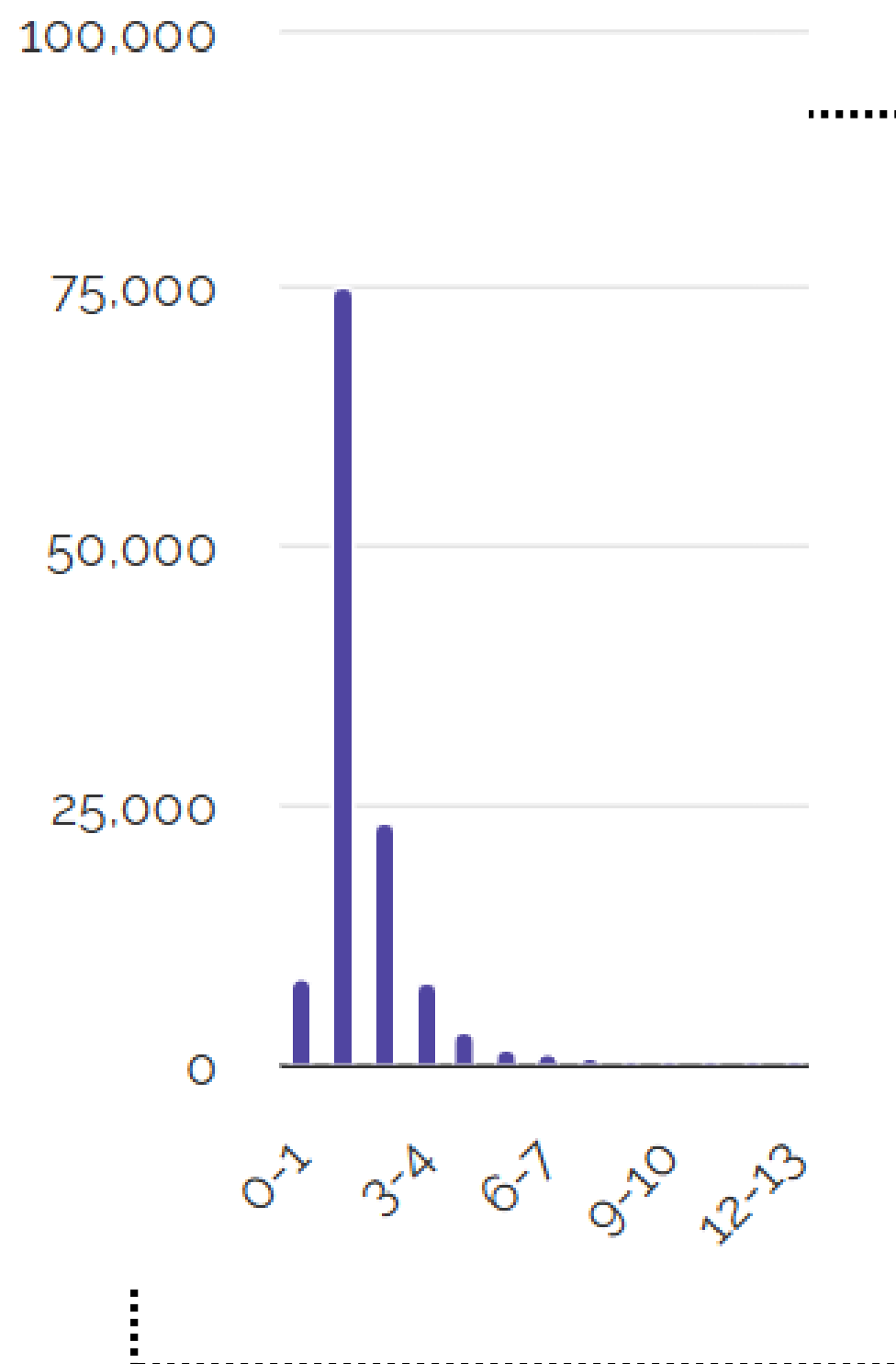
[Go to EMF Map →](#)

Legal and Regulatory Foundation





Where Does SI2PEM Data Come From?



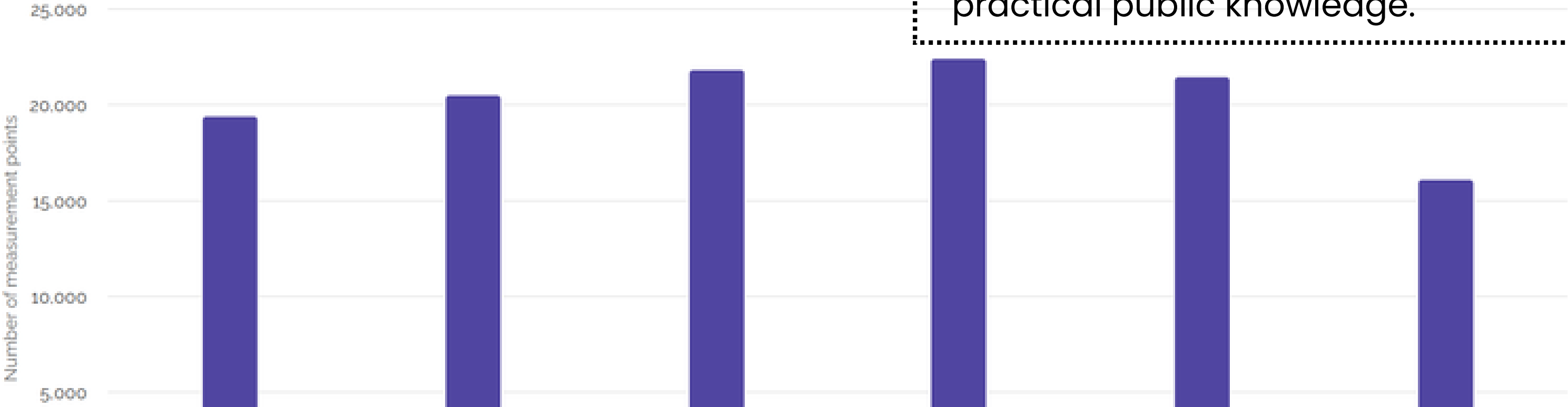
- ✓ Accredited laboratories.
- ✓ Mobile network operators.
- ✓ Stationary monitoring systems.
- ✓ Public authorities and environmental agencies.
- ✓ Local governments.
- ✓ Independent scientific measurement campaigns.



Supporting Public Confidence and Local Governments

Number of measurements by value ⓘ

Year of measurements
2026



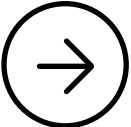
Provides citizens with easy access to verified information.

Supports evidence-based public dialogue.

Helps local governments answer residents' questions.

Supports consultations, planning and communication.

Transforms technical data into practical public knowledge.



SI2PEM as a Model for International Adoption



Addresses challenges common to many countries.



Combines trusted data, transparency and governance.



Adaptable to different legal and institutional environments.



Supports knowledge transfer and international cooperation.



Proven nationwide implementation reduces deployment risk.

The screenshot displays a web application interface for SI2PEM. It features a map background with a location pin. A white modal window is open, showing details for a base station. The modal is divided into two main sections: 'Base station' and 'Planned measurements'.

Base station	
Base station	34085 (59122N!)
base station address	Gdańsk, GDAŃSK ul. Grunwaldzka 50
operator	T-Mobile Polska S.A.
View submission forms	
Download installation and measurement details (XLSX)	
technologies and bands	

Planned measurements	
01.07.2024 - 05.07.2024	
base station	34085 (59122N!)
address	Gdańsk, GDAŃSK ul. Grunwaldzka 50
laboratory	NetWorks Sp. z o.o. Laboratorium Badań Środowiskowych (AB 419)

Contact us:



si2pem.gov.pl



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Closing Thoughts

- SI2PEM combines technology, scientific evidence and transparency.
- Supports digital infrastructure development and public trust.
- Demonstrates a scalable model of modern digital governance.
- Transparency should be built alongside infrastructure deployment.

Thank You Very Much

