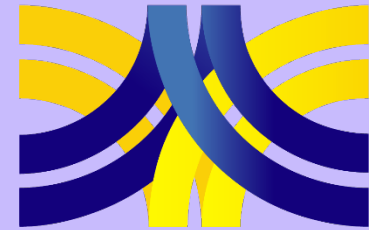


49th ASECAP DAYS

*Decarbonizing Road Infrastructure : Challenges,
Perspectives and Actions in Tough Economy*

ASECAP DAYS



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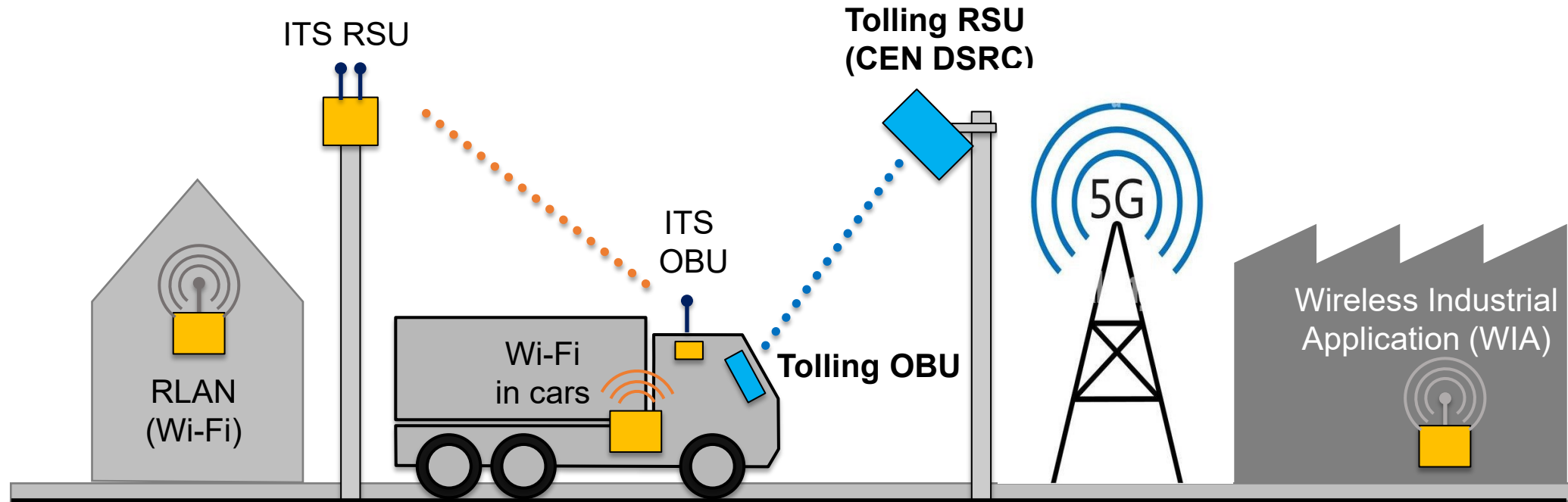
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ASECAP Protected Zone Database

George Kiouisis

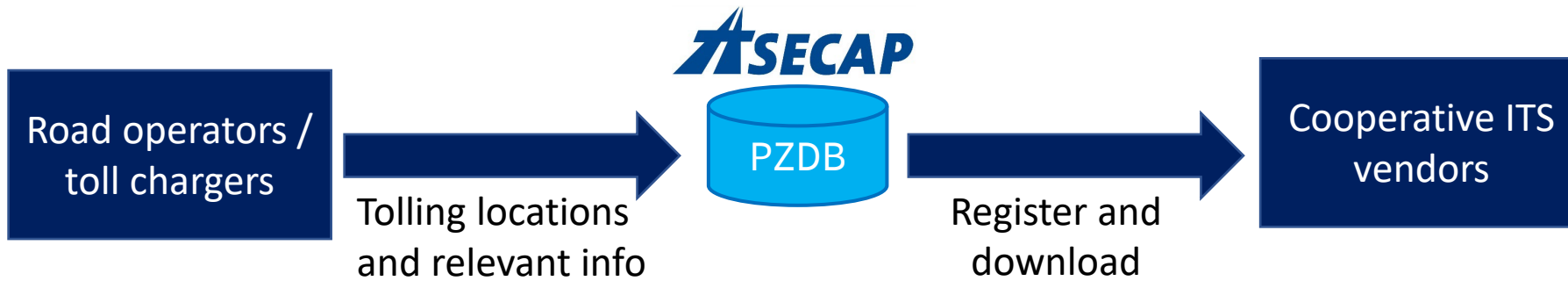


The DSRC frequency landscape



Since these 5GHz radio systems can come very close, interference with DSRC is possible and mitigation techniques needs to be in place.

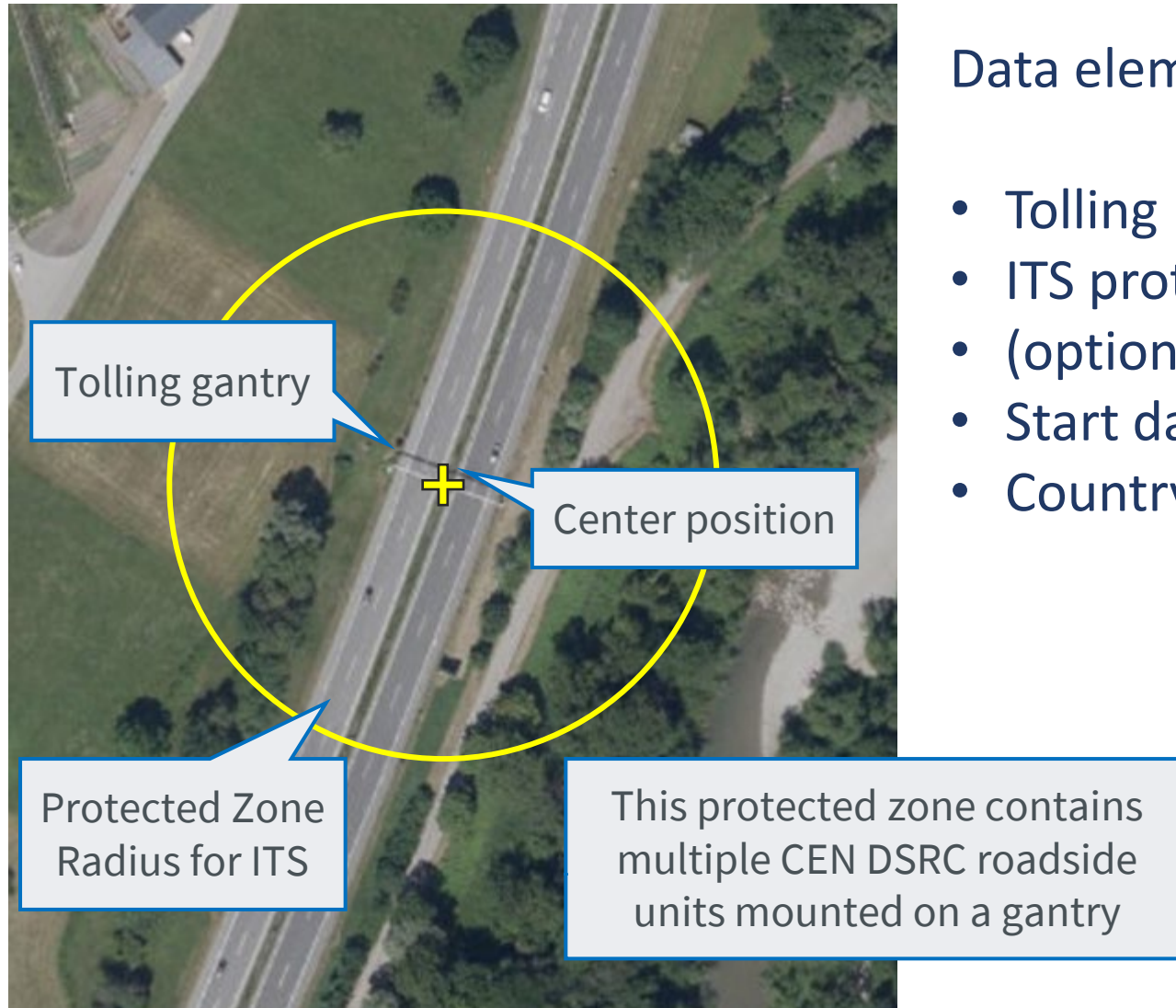
The ASECAP Protected Zone Database



Geolocation Database: <https://www.asecap-pzdb.com>

First release issued March 2018

Elements of a Protected Zone



Data elements of a Protected Zone in the database:

- Tolling point Center position (lat and long)
- ITS protected zone radius,
- (optional other radii, e.g. for RLAN or WIA)
- Start date (optional) and expiry date (optional)
- Country and country code

ASECAP PZDB functionality

Managed Zones - ASECAP PZDB

+ Create New































Entries per page: 10

--select Organizations--

--select Station Types--

Search Clear

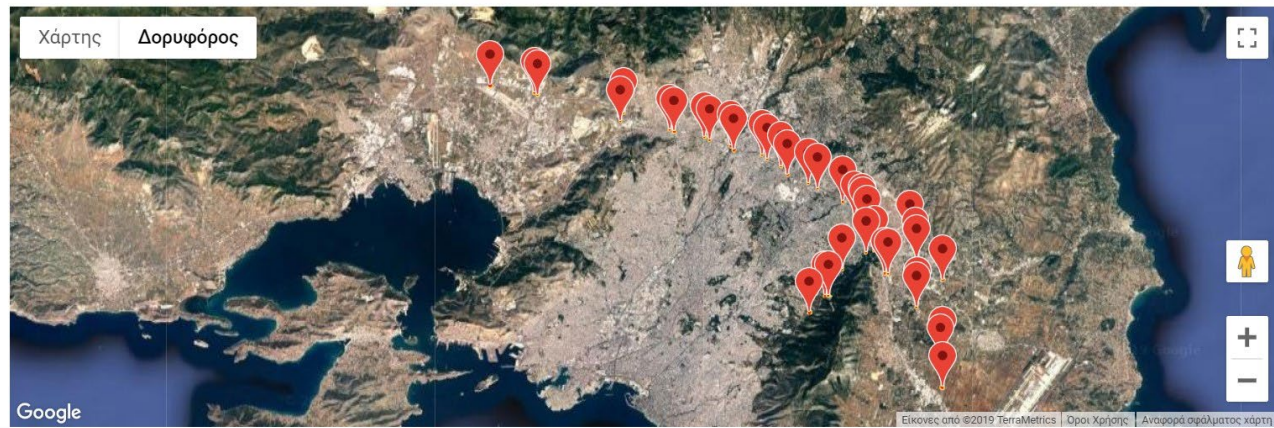
Include deactivated records

ID	Organization	Station Type	Name	Road km	Expiration Date	Import / Validation Date	Status	Action
2848	ATTIKI ODOS S.A.	Toll Plaza	KATECHAKI NORTH	M/0.45+000		20/12/2018 14:00:00	valid	  
2849	ATTIKI ODOS S.A.	Toll Plaza	PAPAGOS SOUTH	K/1.79+000		20/12/2018 14:00:00	valid	  
2850	ATTIKI ODOS S.A.	Toll Plaza	PAPAGOS NORTH	M/1.98+000		20/12/2018 14:00:00	valid	  
2851	ATTIKI ODOS S.A.	Toll Plaza	DIMOKRITOS NORTH	K/3.73+000		20/12/2018 14:00:00	valid	  
2852	ATTIKI ODOS S.A.	Toll Plaza	AGIA PARASKEVI SOUTH	X/5.48+000		20/12/2018 14:00:00	valid	  
2853	ATTIKI ODOS S.A.	Toll Plaza	AGIA PARASKEVI NORTH	P/5.98+000		20/12/2018 14:00:00	valid	  
2854	ATTIKI ODOS S.A.	Toll Plaza	GLIKA NERA SOUTH	X/7.99+000		20/12/2018 14:00:00	valid	  
2855	ATTIKI ODOS S.A.	Toll Plaza	GLIKA NERA NORTH	P/8.15+000		20/12/2018 14:00:00	valid	  
2856	ATTIKI ODOS S.A.	Toll Plaza	ROUPAKI EAST	A/8.57+000		20/12/2018 14:00:00	valid	  
2857	ATTIKI ODOS S.A.	Toll Plaza	ASPROPIRGOS EAST	A/11.36+000		20/12/2018 14:00:00	valid	  

Organization *

GR-ATT, Greece

Export in KML Show Map



ASECAP PZDB facts

- 4500 validated entries (toll charging points) from 16 ASECAP members
- 80 internal users / 43 verified external users
- Last release: June 2022 / two planned releases per year
- Each road operator or concessionaire uploads and manages its own protected zone data
- Administered by the ASECAP Secretariat and the CoperIII Task Force

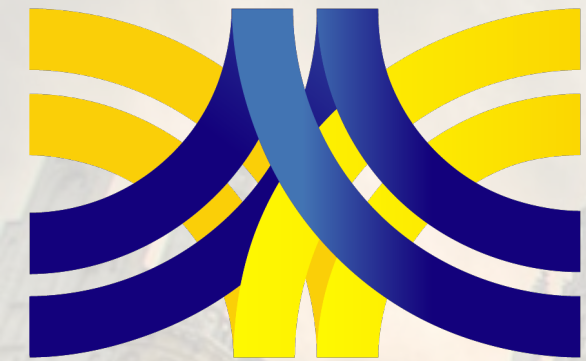
ASECAP PZDB Takeaways

ASECAP maintains a database of tolling locations, where other radio applications mitigate interference.

Open to all toll operators, not only ASECAP members

Engagement of the regulators and the industry is needed

ASECAP DAYS



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**THANK YOU FOR
YOUR ATTENTION**

George Kiousis

