

	Engagement		Vessels Traffic Density (VTD): Proposal supporting the European Green Deal					
	Countries	Project value (€)	% by EPSILON	€ by EPSILON	Engagement	Funding by	Date	Partners
	Malta Greece	510.000	70%	357.000	Tender	EU/DGMARE/ EASME/2020/OP/10	30/09/2020	EPSILON, Malta NCSRD, Greece HUA, Greece
Description					Outcome			
EPSILON proposed an effort for the European Green Deal on vessel traffic density in response to tender EASME/2020/OP/0010. The proposal aimed to produce a digital raster map of Vessel Density in the European marine waters that help plan and analyze marine aspects of the Green Deal, The solution is based on Open-Source Software, the implementation is based on Java programming Language (a typical Enterprise 3 – tier architecture). It is web based for achieving maximum portability and direct connectivity with the appropriate data sources and maximizes the visual experience of displaying multiple layered mapping information. The storage tier is based at PostgreSQL open source relational database system and mostly at the PostGIS extension for achieving full GIS support. The use of the tools makes it possible to translate data from various sources into moving objects trajectories which will be stored properly into the powerful PostgreSQL RDBMS for further processing. The business tier aims to retrieve data from the underlying RDBMS for performed analyses.					- Improving knowledge of vessel density in European waters - Delivering an application supporting multiple concurrent users - Deliver digital maps showing Vessel density - Offer Software tech to producing maps - Produce User's manual on how to use the s/w - Draft White paper & article on the work - Organize Conference on Tracking Vessels - Assume a Cluster of Experts - Produce information dissemination material			
								