

OUTPUT 1.1. EXPERT COUNCIL AND NETWORK FOR DIGITAL BRIDGE MONITORING CREATED AIMING AT THE ESTABLISHMENT OF AN OUTLASTING NETWORK OF EXPERTS, DECIDERS AND LEGAL REPRESENTATIVES

BIM4CE



Version 8

1st 2024







Project Information

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The expert council for bridge monitoring is a diverse assembly, comprising legal representatives from various sectors. This includes research institutes with extensive experience in prior projects related to bridge monitoring systems. Furthermore, the council incorporates private companies specializing in the maintenance of bridge monitoring systems. Additionally, sensor producers actively seek collaboration opportunities within the council to bolster their sensing capabilities and integrate innovative standardized bridge monitoring approaches with existing technologies.

No	Name	Country	Type	Responsible PP	Contact Person	Contact mail	Short description
1	Dewesoft	Slovenia	Technology provider	ZAG	Rok Mesar	rok.mesar@dewesoft.si	Dewesoft is a company that develops and manufactures data acquisition (DAQ) systems. The company offers DAQ systems, DAQ software, data interfaces, sensors, actuators, and accessories, as well as calibration, warranty, and repair services.
2	University College of Dublin	Ireland	Academia	ZAG	prof. Eugene O'Brien	eugene.obrien@ucd.ie	Multi-disciplinary expertise in Structural Engineering, Transportation Engineering, and Civil Engineering. It possesses a wide range of skills and knowledge, including Bridge Engineering, Bridge Health Monitoring, Structural Health Monitoring, bridge dynamics, Vehicle/Bridge Dynamic Interaction, Bridge traffic loading, and weigh-in-motion. With their proficiency in these areas, professors excel in designing and analyzing bridges, monitoring their health and performance, studying the interaction between vehicles and bridges, and assessing traffic loading and weigh-in-motion measurements.
3	Essebi	Italy	Bridge expert	Cestel	Giorgio Sforza	sforza@essebiweb.it	Essebi is a company specialized in structural analysis of buildings and infrastructure.
4	Cornerstone Int.	Netherlands	WIM consultant	Cestel	Hans van Loo	hans.vanloo.int@gmail.com	Hans van Loo is a consultant specializing in weigh-in-motion and bridge analysis. He has extensive experience in WIM and bridge WIM projects across the world and is fully up-to-date on the current needs of the infrastructure management market.



5	Faculty of Civil and Geodetic Engineering, University of Ljubljana	Slovenia	Faculty	Cestel	Dr. Matej Kušar	matej.kusar@fgg.uni-lj.si	Bridge expert, lecturer
6	Move Solutions	Italy	Technology Provider	CSP			Move Solutions is a company that provides LoraWAN sensors for bridge and infrastructure monitoring. The solution integrates Gateways 4G/LoraWAN with automatic APN Detection
7	Department of Structural, Geotechnical and Building Engineering Politecnico di Torino	Italy	Academia	FOS	Marco Domanschi	marco.domanschi@polito.it	The Department of STRUCTURAL, GEOTECHNICAL AND BUILDING ENGINEERING (DISEG) is the point of reference in Politecnico di Torino for the areas of knowledge that study safety issues and the practical and formal planning of constructions, taking into account environmental and human actions and their integration with the natural and built environment, considering their uniqueness and regarding the local community. DISEG promotes, coordinates and manages basic and applied research, training, technology transfer and services to the local community in the fields of structural mechanics, structural engineering, geotechnical engineering, building technology, building production, drawing and representation.
8	Institute of Concrete structures TU Dresden	Germany	Academia	TUD	Max Herbers	max.herbers@tu-dresden.de	Institute of Concrete structures TU Dresden, research group Digital maintenance.
9	Bundesanstalt für Straßenwesen	Germany	Academia	TUD	Dr. Iris Hindersmann	Hindersmann@bast.de	Federal highway research institute of Germany
10	ENEA - Italian National Agency	Italy	National Agency	FOS	Paolo Clemente	paolo.clemente@enea.it	ENEA is the National Agency for New Technologies, Energy and Sustainable Economic Development, a public body aimed at research, technological



	Agency for New Technologies, Energy and Sustainable Economic Development						innovation and the provision of advanced services to enterprises, public administration and citizens in the sectors of energy, the environment and sustainable economic development
11	Politecnico di Milano	Italy	Academia	FOS	Maria Giuseppina Limongelli	mariagiuseppina.limongelli@polimi.it	Politecnico di Milano is a public scientific-technological university which trains engineers, architects and industrial designers. The University has always focused on the quality and innovation of its teaching and research, developing a fruitful relationship with business and productive world by means of experimental research and technological transfer.
12	MTS ENGINEERING SRL	Italy	Bridge expert	FOS	Manuel Carsana	carsana@mtse.it	MTSE is a laboratory authorized by the Ministry of Infrastructure. Their core business is to put infrastructures safety in the first place. Their services concern skills and technologies for the control of bridges and viaducts
13	Austrian Institute of Technology (AIT)	Austria	Bridge expert	ZAG	Marian Ralbovsky, Stefan Lachinger	marian.ralbovsky@ait.ac.at	Austria's largest Research and Technology Organisation (RTO) and an international key player in many of the research areas we cover. This makes us a leading development partner for the industry and a top employer within the international scientific community.