

INTERNATIONAL WORKSHOP. TUNNEL LIFE CYCLE.

Friday, September 28th

PROGRAM

TIME	TITLE	CHAIR/SPEAKER
8:30-9:00	Registration	
9:00-9:30	Inauguration.	<i>Juan P. Villanueva. ADIF General Director. Tarcisio Celestino. ITA President. Manuel Arnaiz. AETOS President.</i>
9:30-11:00	Session 1. Design and Construction . Chair ITA . Chair AETOS	To be defined <i>Miguel Fernández-Bollo. Vicepresident</i>
	Hydrogeological constraints	<i>Pedro Ramírez. Geotechnics Department Director. TYPSA</i>
	Support and lining of tunnels.	<i>José M. Galera. General Director. SUBTERRA, S.A.</i>
	Sprayed concrete for tunnel support	<i>Prof. Tarcisio Celestino. ITA President</i>
	Waterproofing and lining. Udalaiz tunnel.	<i>José M^a Jiménez. Construction Sub-director. ADIF.</i>
11:00-11:30	Coffee break	
11:30-13:00	Session 2. Functional Considerations. Exploitation, maintenance and repair. . Chair ITA . Chair AETOS	To be defined <i>Juan Tébar. Construction Director. ADIF</i>
	Choice of road surfaces in tunnels	<i>Rafael López Guarga. Director of the Road Demarcation of Aragón</i>
	Tunnel Repair	<i>Mario Peláez. Infrastructures Department. Director AMBERG.</i>
	Madrid Ringroad Calle 30. Exploitation.	<i>Manuel Arnáiz. AETOS President</i>
	Ventilation and fire safety	<i>Eva Montero. Head of Mechanical Section at Industrial and Telecom Dept. TYPSA</i>
13:00-13:15	Closure.	<i>ITA President. AETOS President</i>
13:15-15:15	Lunch offered by AETOS	

16:00-18:00 Technical Visit Atocha-Chamartin AVE Tunnel. (Previous registration online and until full capacity)

21:00-23:00 Dinner for ITA offered by AETOS.

Saturday 29th and Sunday 30th. EXCO MEETING of ITA