

PROJECT: Applying Artificial Intelligence and the Internet of Things on the Holistic and Personalized Support of Individuals with Sleep Disorders

SCIENTIFIC DIRECTOR: Anastasios Doulamis

DURATION (MONTHS): 66 months

DEPARTMENT: Department of Topography

FINANCIER: MINISTRY OF EDUCATION, RELIGIONS AND SPORTS

DESCRIPTION: SomnusDigitalStars will develop an integrated digital system that will leverage artificial intelligence and data from biosignal and environmental sensors to provide personalized support to patients with sleep disorders, optimizing the implementation and adaptation of treatment plans and enhancing their effectiveness. Key building blocks of the solution are (a) Artificial Intelligence Technologies, for knowledge extraction, decision-making support, and optimization of every aspect of the care process. (b) The Internet of Medical Things, for effective, continuous monitoring, even remotely, of the quality and characteristics of sleep, as well as the state of the patient's environment.