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Hellenic Institute of Transport

Center for Research and Technology Hellas

Hellenic Institute of Transport

Web: www.hit.certh.gr

Advanced Data Analytics in business – 01/07/2019



CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS - CERTH

At a glance

The **Centre for Research and Technology-Hellas (CERTH)** founded in 2000 is one of the leading research centres in Greece and listed among the TOP-20 E.U. institutions with the highest participation in competitive research grants.

Legal Form

It is a legal entity governed by private law with non-profit status, supervised by the General Secretariat for Research and Technology (GSRT) of the Greek Ministry of Education, Research and Religious Affairs.

Research Areas

CERTH has important scientific and technological achievements in many areas including: **Energy, Environment, Industry, Mechatronics, Information & Communication, Transportation & Sustainable Mobility, Health, Agro-biotechnology, Smart farming, Safety & Security**, as well as several cross-disciplinary scientific areas.



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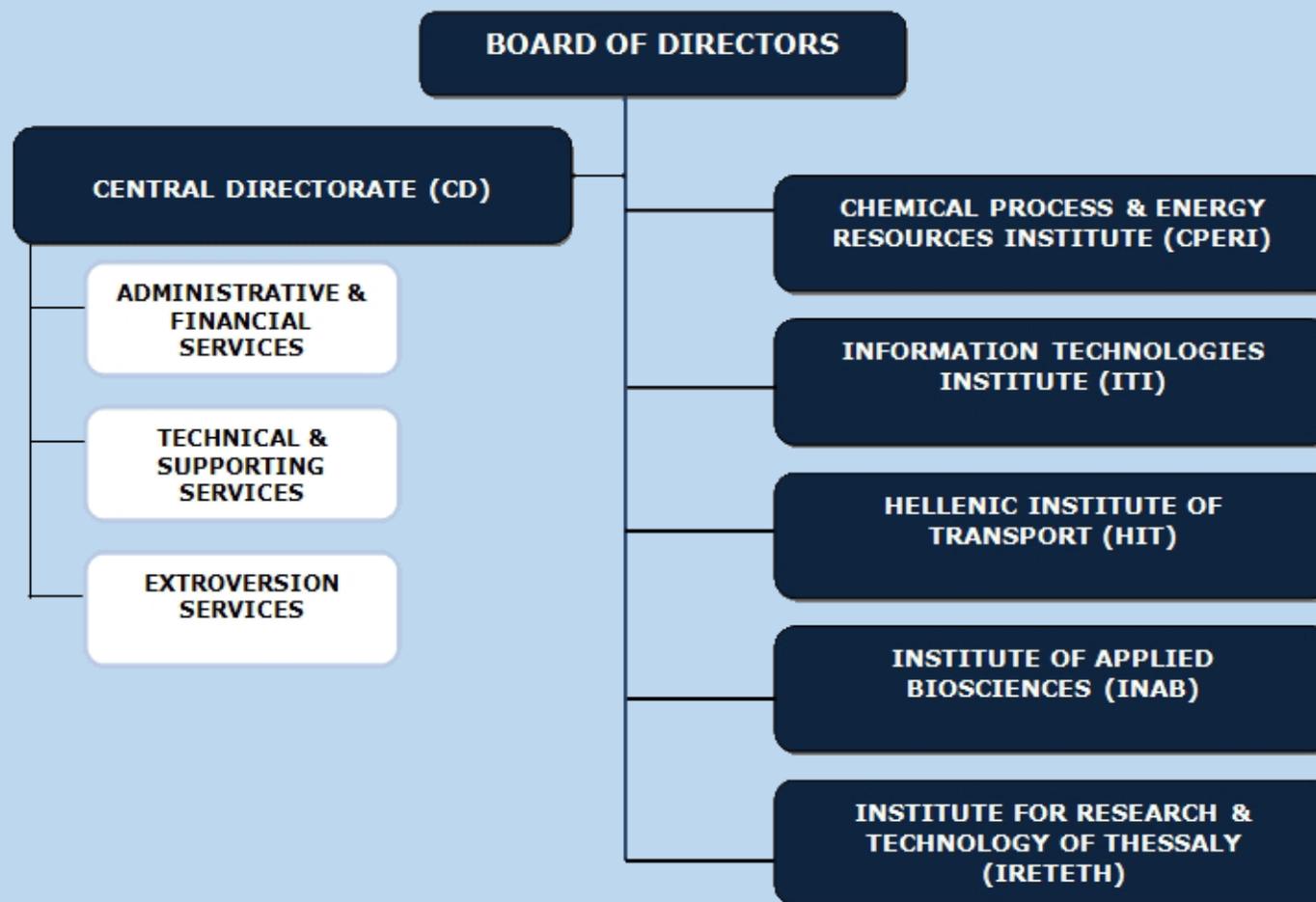
CERTH
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Organisational structure





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CERTH FINANCING

CERTH is essentially a self-supported Research Centre generating an average annual turnover of ~ € 25 Million coming from:

- >30% from bilateral industrial research contracts
- >60% from competitive research projects and
- <10% as government institutional funding





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The Hellenic Institute of Transport: activities & achievements

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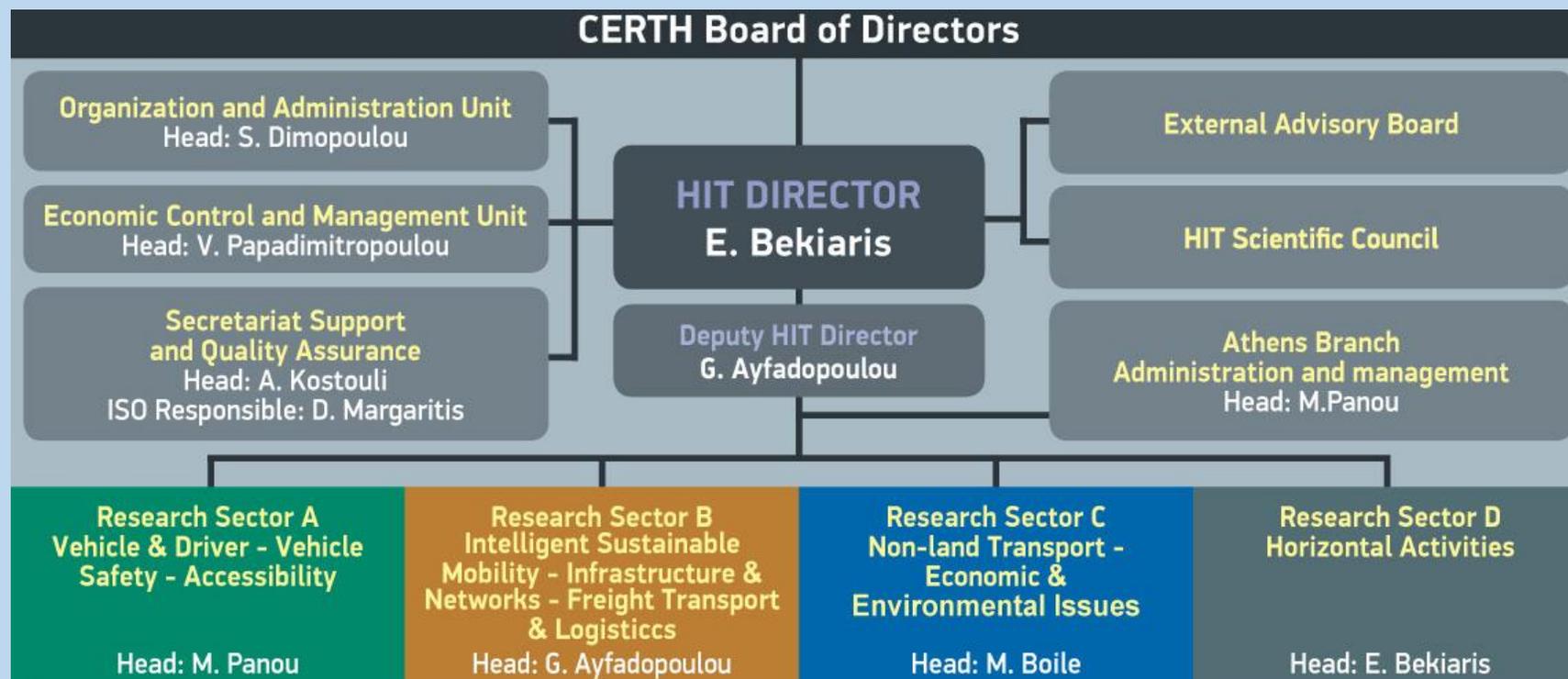
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Organisation & Research fields





Organisation & Research fields

Research Sector A Vehicle & Driver - Vehicle Safety - Accessibility	Research Sector B Intelligent Sustainable Mobility - Infrastructure & Networks - Freight Transport & Logistics	Research Sector C Non-land Transport - Economic & Environmental Issues	Research Sector D Horizontal Activities
Head: M. Panou	Head: G. Ayfadopoulou	Head: M. Boile	Head: E. Bekiaris
Laboratory A1: Road Safety and Security Head: E. Gaitanidou	Laboratory B1: Demand and Mobility Management - Development of Sustainable Mobility Systems Head: M. Morfoulaki	Laboratory C1: Maritime Transport Systems and Services Head: M. Boile	Laboratory D1: International Relations and Representation of HIT - Transportation Policies Head: M. Panou
Laboratory A2: Clean Vehicle Technologies Head: M. Gemou	Laboratory B2: Data Collection and Processing and Use of Specialized Transport Software Packages Head: J. Salanova	Laboratory C2: Air Transport Systems and Services Head: E. Sdoukopoulos	Laboratory D2: Software Engineering - Maintenance of IT Infrastructure Head: K. Kalogirou
Laboratory A3: Intelligent Materials and Manufacturing in Transport Head: M. Gemou	Laboratory B3: Infrastructure and Traffic Management in Land Transport Head: E. Mitsakis	Laboratory C3: Environmental and Energy Impacts of Transport Systems Head: A. Tromaras	Laboratory D3: Education-Knowledge Management - Information and Public Awareness, Publicity and Promotional Campaigns Head: M. Morfoulaki
Laboratory A4: Personalized and Accessible Systems and Services Head: M. Panou	Laboratory B4: Intelligent International Freight Transport and Logistics Head: G. Ayfadopoulou	Laboratory C4: Economic and Social Impacts of Transport Systems Head: A. Anagnostopoulou	Laboratory D4: Institute Data Analysis, Impact Factors and Success Indicators Assessment Head: D. Margaritis
	Laboratory B5: Rail Transport Systems and Services Head: A. Kortsari		Laboratory D5: Commercial Exploitation of Research Results and IPRs - Patents Head: S. Nikolaou



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CERTH-HIT domains of activities

- *Passenger transport: Provision of info mobility and trip planning services for road transport at urban, interurban and national scale, SUMP*s
- *Freight transport: Provision of freight services visibility platforms and added value services based on information exchange and cargo monitoring at urban and interurban scale.*
- *ITS & C-ITS: Deployment of ITS and C-ITS infrastructure and development of ITS and C-ITS services for road transport.*
- *Big Data analytics, AI & Traffic Management*
- *ADAS systems for road transport and Autonomous transport*
- *Other*
 - *Modeling: Modeling of multimodal transport networks at all levels.*
 - *Impacts of climate change on road transport and vice versa.*
 - *Transport economics, electromobility, sustainable tourism*



Overview of the meeting

DAY I

14 ¹⁵ – 14 ⁴⁵ h	Welcome speeches	Prof. Mirko Savic: Project coordinator Dr. Georgia Aifandopoulou: CERTH-HIT research director
14 ⁴⁵ – 17 ⁴⁵ h	Steering Committee meeting No 3	Mirko Savic (UNS), project coordinator
17 ⁴⁵ – 18 ⁴⁵ h	Local Committee meeting of Serbian partners	Jelena Stankovic (UNI)
20 ³⁰ – 22 ⁰⁰ h	<i>Dinner</i>	

DAY II

9 ³⁰ h – 10 ⁰⁰ h	Introduction to smart cities with regards to the transport domain
10 ⁰⁰ – 10 ³⁰ h	Transport modelling supporting smart cities
10 ³⁰ h – 11 ⁰⁰ h	Coffee Break
11 ⁰⁰ – 11 ³⁰ h	Back-office infrastructure
11 ³⁰ – 12 ⁰⁰ h	Innovative transport services in smart cities
12 ⁰⁰ – 12 ⁴⁵ h	Lunch break
12 ⁴⁵ – 13 ³⁰ h	Practical case studies from CERTH-HIT experience in passenger and freight transport
13 ³⁰ – 14 ⁰⁰ h	Tour to the Thessaloniki Smart Mobility Living Lab
14 ⁰⁰ – 16 ³⁰ h	Discussion and closing of the meeting



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Thank you!

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