Call for Presentations

48th ASECAP
Study & Information Days

THE EU GREEN DEAL:
TOLL ROADS ACTIONS,
COMMITMENTS AND CONTRIBUTION

29th of June – 1st of July 2020
Brussels
The 48th ASECAP Study & information days will focus on contribution of the transport sector in dealing with mobility challenges to reach carbon free objectives set by the EU Green Deal.

**Presentation submission**

Abstract not exceeding 400 words should be submitted using online facility from ASECAP website: [http://www.asecap.com/asecap-days.html](http://www.asecap.com/asecap-days.html) or via the direct link.

**Timeline**

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A – ROAD INFRASTRUCTURE FINANCING

Accelerating mobility project delivery: Funding infrastructure projects that meet the climate change challenges

Demographic growth, economic globalisation and other trends in society mean we need to modernise our infrastructure in compliance with EU goal to make them greener, to enhance people’s quality of life, to provide equal access to all citizen whether they are living in remote territories or in urban area, and to help our economies function smoothly. Transport infrastructure is changing in depth and it is becoming urgent to reflect on how it will look like in 20 years’ time.

That’s a big concern for all the stakeholders in order to have a sustainable approach that will engage public and private partnerships: how will be the road infrastructure in 15 or 30 years’ time? How will mobility evolve over that period? How to adapt the infrastructure to be climate change compliance? The changes are so important that these simple questions are critical for private investors. The session will explore how to modernise the infrastructure funding system, the conditions needed to attract investors to implement sustainable financing schemes.

Topics

- Existing European frameworks for road infrastructure financing
- New perspectives for mature concessions
- Financing solutions for green mobility solutions
- Threats and opportunities of the concession model
- Congestion charging schemes
- New tolling systems
- Requirements and conditions from private investors and financial institutions
- Financing alternatives for low-traffic road section

B – SUSTAINABLE TRANSPORT SOLUTIONS

Toward low carbon motorway aligned with the Green Deal promoted by the EU

Motorway operators are more and more eco-responsible actors and put a high priority on considerations involved with climate change and the environment. They are developing innovative solutions for reducing carbon footprint. The speaker will highlight concrete example of initiative implemented or to be implemented by toll road operators to improve their environmental performances but also provide new greener mobility solutions.
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Topics

- How to encourage the development of new greener mobility options?
- Fostering commuting mobility solutions: carpooling, bus transit system....
- Policy to promote multimodality
- Electrification of motorway
- Environmental programs and best practices undertaken by toll road operators
- Investment in environmental actions and return of the investment in terms of environmental benefits (CO2 reduction, reduction water consumption, recycling of waste materials...)

C – ROAD SAFETY

Where are the safety gains?

Road infrastructure is playing a key role to move people and goods but also accounting for having the highest fatalities numbers compared on other transport modes even if there are fewer fatalities on motorway which is considered at least 4/5 times safer than other road infrastructure. Nevertheless, it is not acceptable for anyone to die or be seriously injured in a road accident.

The challenges for road operators are to improve road safety and performance and to reduce the time to manage an accident or incident and target vision ZERO objective. Solutions for automatic incident detection and first response can provide a real added-value to our daily business; also Artificial Intelligence is a powerful tool to analyze huge amounts of available data, and innovative video analytics and advanced decision support system can analyze real-time and historical traffic data to predict and detect incidents and provide most suitable strategies for incident management. The session will also explore and identify policies, practices, issues, challenges, and innovative procedures that are used both to monitor the infrastructure and be compliant with EU regulation.

Topics

- Road safety policies
- Road infrastructure safety management
- Accidents data analysis,
- Road safety KPIs
- Safe system approach
- Road safety and Asset management
- Maintenance tools and methodologies
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D – COOPERATIVE, CONNECTED, AUTOMATED AND AUTONOMOUS MOBILITY (CCAM)

Digital transformation on tolling road

Digitalization, cooperation and automation are transforming most of industries, including the toll roads industry. Whether you are a network manager, a tolling service provider, or a revenue assurance and business analyst, you are familiar with the impact and benefits of this amazing digital transformation in your mission and expect the same capacities in customers and stakeholders.

Beyond personal experiences, digital transformation promotes the efficiency, performance and adaptation of tolling roads services, which is crucial for the business dimension. It also leverages the chances and opportunities of a mix of digital technologies and their accelerated market trends in a strategic and prioritized way. The vision zero fatalities, the decarbonization agenda, and the advent of connected, cooperative and automated mobility (CCAM), among others, are additional driving forces to commit with this transformation flow.

Topics

- C-ITS deployment for vehicles and road infrastructure
- C-ITS services today and tomorrow: What does the ecosystem of vehicle and road need in future?
- Digitalisation of the infrastructure to foster greener, smarter and automated mobility needs
- Co-existence of electronic road charging systems with C-ITS, radio local area networks, IoT, ...
- Digitalisation of traffic management
- Digital transformation, range from political, legal, financial, technical to societal dimensions

E – EMERGING TECHNOLOGIES

Innovation in toll collection and management

As electronic tolling technologies have developed over the last decade, motorway operators are seeing a switch from manual toll collection to all-electronic tolling collections. In addition, variable pricing is encouraging more efficient use of the transportation infrastructure by shifting demand to alternate modes and routing trips to less congested times of the day: car-sharing/pooling services, managed lanes with bus lanes or HOV lanes, and the new user paradigm are evolving to answer the new mobility needs.
What is the future of emerging technologies for toll collection like mobile phone tolling and license plate recognition? What about vehicle classification and car occupancy detection? What are the prospects for truck tolling or road charging for light vehicles? How to have efficient enforcement scheme? The session will explore all the innovative payment means and its management in evolving reality in toll road.

Topics

- **Emerging payment systems (mobile phone, ANPR, AI,...)**
- **Blockchain**
- **Fostering free flow tolling on EU roads**
- **Price management: Optimizing facilities capacities / solution to reduce CO2 emission**
- **Managed lanes, HOV lanes, (car sharing, carpooling, dedicated bus lane...)**
- **Interoperability**
- **Enforcement**
- **Violation**
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