



UIC Asset Management Global Conference
17-19 April 2019, UIC, Paris



Welcome to the

UIC Asset Management Global Conference

at UIC in Paris

on 17-19 April 2019

Presentations made during the conference will soon be available on our website at: <https://railway-Asset-management.org/>

For more information, please contact: Christine Hassoun at: <mailto:hassoun@uic.org>

This event is sponsored by:





UIC Asset Management Global Conference

17-19 April 2019, UIC, Paris

Moderator: Teodor GRADINARIU, UIC

PROGRAMME - Day ONE - 17 April 2019

08:30-09:15 *Registration and welcome coffee*

09:15-09:35 *Opening session* **Jean-Pierre LOUBINOUX, UIC
General Director**

Keynote Speeches

09:35-10:35

- ✓ Status of Asset Management in 2019 (IAM Point of view) and Defensible Maintenance Budgets - Supporting the realisation of Stakeholder Value **Peter KOHLER, Australia Asset Management Council**
- ✓ Asset Management in the railway sector **Marc ANTONI, UIC**
- ✓ EC investment program for infrastructure military usage **Aurimas BRAZYS, DG MOVE**

10:35-11:05 *Coffee Break*

Overview on the Asset Management standardisation and regulatory environment - Certification experience

11:05-12:20

- ✓ Update on ISO 55k and its consequences **Celso DE AZEVEDO, Assetsman, France**
- ✓ Evolution of the rigor of decision making in capital planning **Boudewijn NEIJENS, Copperleaf, Canada**
- ✓ Romanian standardisation body experience in implementing ISO 55k in the national legislation **Diana DOROBANTU, ASRO, Romania**

Q&A

12:20-13:20 *Lunch*



Step forward on developing Asset Management in Railways

- 13:20-15:15**
- ✓ Estimation & planning of maintenance needs
 - ✓ Asset Management Leadership - Insights from Rail Leaders
 - ✓ Practical examples of digitalisation on Asset Management for railways
 - ✓ Transforming Asset Management through new technologies – Network Rail High Speed experience
 - ✓ NS experience on the certification on Asset Management (ISO 55k) of the rolling stock fleet
- Q&A

Chairman: Andy KIRWAN, Network Rail

Marc ANTONI, UIC

Jude CAREY, Irish Rail, Ireland

Marcel VAN-VELTHOVEN, ZNAPZ, France

Joao ROCHA, Network Rail High Speed, UK

Leo VAN DONGEN, NS CTO, The Netherlands

15:15-15:45 *Coffee Break*

Step forward on developing Asset Management in Railways

- 15:45-17:25**
- ✓ Decision making over the Asset lifecycle: an Infrastructure Manager perspective
 - ✓ Metro de Rio de Janeiro experience on the Asset Management certification (ISO 55k)
 - ✓ Investment based on CFLOS and network planning
 - ✓ Asset Management maturity level assessment
- Q&A

Chairman: Jude CAREY, Irish Rail

Andy KIRWAN, Network Rail, UK

Joubert FLORES, METRORIO, Brazil

Florentina MIHAI, Main Roads WA, New Zealand

Donatella FOCESATO, RFI, Italy

19:30-22:00

**Networking dinner - Musée du Vin
Rue des Eaux - 6 Place Charles Dickens
75016 PARIS**



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PROGRAMME DAY TWO (18 April 2019) Sessions A

08:30-09:00 *Registration and welcome coffee*

Maintenance to support performance

- 09:00-10:15**
- ✓ Maintenance integration into the Asset Management cycle
 - ✓ From real time Asset monitoring towards dynamic maintenance in railway
 - ✓ How latest developments in diagnostics can improve Asset Management
- Q&A

Chairman: Celzo de AZEVEDO, ASSETSMAN

Kévin UBA, OC'VIA, France

Christophe SANGUINA, Alstom, France

Pietro PACE, Mermec Group, Italy

10:15-10:45 *Coffee Break*

Several Asset Management strategies

- 10:45-12:20**
- ✓ Asset Management strategy construction of Tancarville and Normandy bridges. The end of the concession period.
 - ✓ Procurement methods and guidelines for Outsourcing. Railway Maintenance point of view.
 - ✓ Optimisation of Funding for Bridge Assets
 - ✓ Asset Management of Level Crossings
- Q&A

Chairman: Jan COCQUYT, INFRABEL

Clément FASQUEL, CCITSE, France

Francesco CABRERA, ADIF, Spain

Vesa MANNISTO, FTA, Finland

Hanna-Mari MIETTINEN, FTA, Finland

12:20-13:20 *Lunch Break*



Asset Management strategy implementation

- ✓ A strategic study at Infrabel: from audit to long term planning
- ✓ SAR Asset Management Strategy
- 13:20-15:15 ✓ Portfolio management and prioritising actions for Russian passenger stations and logistics terminals
- ✓ Asset management construction plan
- ✓ Asset Management methodology and implementation
- Q&A

Chairman: Vesa MANNISTO, FTA

Jan COCQUYT, INFRABEL, Belgium

Khaled ALSULTAN, SAR, Saudi Arabia

Ekaterina KOZYREVA, IEC - Infrastructure Economics Centre, Russia

Laurent DEVULDER, Meridiam, France

Jean Bernard BUONAFINE, Veolia, France

15:15-15:45

Coffee Break

Innovative approaches to Asset Management

- ✓ Predictive maintenance: results from SIA EU-GNSS project
- 15:45-17:00 ✓ IN2SMART Shift2Rail project: first results towards an Intelligent Innovative Asset Management System (IAMS)
- ✓ Drone application for Asset Management
- Q&A

Chairman: Remy JACQUIER, Oxand

Airy MAGNIEN, UIC

Carlo CROVETTO, Ansaldo STS, Italy

Anthony-Victor MEHL, Altametris, France

17:00-17:45

Round table among chairmen



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PROGRAMME DAY TWO (18 April 2019) Sessions B

08:30-09:00 *Registration and welcome coffee*

Asset Management digitalisation (1/3)

- ✓ Added value of Asset digitalisation
 - ✓ 5 years feedback on Asset Management implementation for the first French real estate owner
 - ✓ Success cases in Asset Management digitalisation projects
 - ✓ Implementation of an Asset Management digitalisation strategy
- Q&A

Chairman: Florentina MIHAI, Main Roads WA
Harvey MARKOUR, Systra, France

Jacques MASSOT, Minarm, France

Remy JACQUIER, Oxand, France

François CASTAN, APRR, France

10:35-11:05 *Coffee Break*

Asset Management digitalisation (2/3)

- ✓ Decision support for trade-off in Asset Management
 - ✓ Asset Performance management software - SIMEO
 - ✓ Applying Artificial Intelligence to enable Predictive Maintenance
- Q&A

Chairman: Alexey ZAMYSHLYAEV, NIIAS

Gilles BOCABARTEILLE, Assetsman, France

Rémi LECLERCQ, Oxand

Benjamin JANSEN, KONUX, Germany

12:20-13:20 *Lunch Break*



Asset Management digitalisation (3/3)

- ✓ Rail Topo Model - Big data for Asset Management

13:20-

14:55

- ✓ Big Data Strategies: How can railways organise themselves to maximise benefit

- ✓ Big Data : Maintenance Management information system

Q&A

Chairman: Peter KOHLER,
Australia Asset
Management Council

Airy MAGNIEN, UIC

Caroline HELD, Civity
Management Consultants
& Caroline LOWE,
Network Rail, UK

Florentina MIHAI, Main
Roads WA, New Zealand

14:55-

15:25

Coffee Break

Impact of operation in the Asset Management life cycle cost/strategy

- ✓ ISO 55000 compliant risk management system for railways
- ✓ Assisting Public Transport Authority in the procurement of the O&M and Asset Management services of the largest driverless metro network

15:25-

17:00

- ✓ Support Asset Management strategy through collaborative work between Asset owner and its operator

- ✓ Bridging the gap between operations and long term Asset investment – a unified modeling and simulation approach applied to Network Rail's Asset portfolio

Q&A

Chairman: Marcel VAN-
VELTHOVEN, ZNAPZ

Alexey ZAMYSHLYAEV,
NIIAS, Russia

Didier BOUDON, EGIS,
France

François VINSONNEAU,
Keolis, France

Witold KRASNY, Cosmo
Tech, France

17:00-

17:45

Round table among chairmen

François DAVENNE, UIC



PROGRAMME DAY THREE (19 April 2019)

Option 1: Technical visit to ALTAMETRIS (assistance to maintenance using drones)

9h30-9h45: Welcome to the delegates in front of Altametriss entrance (21 Avenue du Stade de France - 93210 Saint Denis – above Pôle Emploi offices) - Access by RER B: Station GARE DE LA PLAINE STADE DE FRANCE, Saint-Denis

10:00 am: Welcome address and division of the participants in 3 groups who can attend each of the three 40-minute sessions:

MODULE A (Workshop): A drone fleet

- Presentation of the fleet
- Drone capacities and specific use cases

09:30-12:30

MODULE B (Conference): ALTAMETRIS - A gold nugget by SNCF Réseau

- Presentation of the company
- Practical cases of concrete use:
 - ✓ Characterisation of vegetation risk
 - ✓ monitoring of network
 - ✓ Pre-Diagnostics of condition: OA, OT, Catenaries
 - ✓ 3D & BIM data

MODULE C (Laboratory): Current developments

- Focus on technologies in the industrialisation process
- Artificial Intelligence for the extraction of lanes / jigs
- Drones and robots of tomorrow

Option 2: Business game organised by Assetsman



09:30-16:00

Through the use of ASSETSGAME, participants learn in one day how an Asset Management programme benefits an organisation and the changes that are needed to achieve success.