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INTRODUCTION

Dear EAPA members, dear Asphalt friends,

Welcome to the 40th issue of the EAPA Newsletter. As usual this issue of the EAPA Newsletter will give you an overview what happened in Brussels, in Europe and outside Europe in the past 6 months regarding asphalt.

In this period we had from EAPA side an EAPA General Council Assembly in Paris followed by an EAPA Symposium and meetings of the HSE Committee and the Technical Committee in Berlin. There were CEN Standardisation Committee meetings and various other events and conferences where people were talking about asphalt pavements, the future of the asphalt industry, etc.

During the EAPA Symposium 2017 EAPA President John Larsen mentioned in his opening speech that the asphalt industry has to innovate for many reasons. The demands for the road pavements are getting higher. The roads should be available for the traffic, which is still growing. So maintenance activities have to be reduced as much as possible. The road authorities want to have roads that last longer so they can reduce road closures. For the asphalt industry it means that we have to use new techniques that are available to build more durable roads.

One of the presentations during the EAPA symposium showed us techniques we can use to improve durability. The techniques presented here were in line with the recently published EAPA Position Paper "The Ideal Project".

This Position Paper provides tools and guidance for increasing the durability of asphalt pavements by providing good examples in all stages of the project from the design preparation stage through to maintenance. As mentioned before, the durability of asphalt pavements is very important because of the increasing demands for availability of the road network which means that roads need be built to last for a very long time and the amount of maintenance required has to be reduced.

Durability is not only important for the availability of the network, but it is also related to the effective use of material. Effective and efficient use of materials comes from better durability of products which in turn leads to a lower environmental impact. Maximising the durability of road pavements will also provide the road authority more value for the money invested and it will reduce the maintenance costs of the road authority.

The aim of the paper "The Ideal Project" to encourage all working in the roads / highways sector from the asphalt supply industry to the road owner

to contribute to building more durable asphalt pavements. The paper (which is available on the EAPA website) presents valuable information for creating durable asphalt pavements and outlines techniques and procedures as well as the latest technologies.

With the tools and knowledge that are available now, (very) high quality road infrastructure can be delivered to reduce maintenance activities. However contracts often do not stimulate innovations and do not contribute to the use of the latest technology.

The asphalt industry can build more durable asphalt pavements and with these durable pavements the road authority can save money. Therefore contract forms are needed that allow the asphalt industry to show what it can do.

To be able to make a real step forward it is important that road authorities and road contractors start a discussion to find opportunities to create contract forms that stimulate workmanship and excellence, that stimulate contractors to implement new and innovative techniques for obtaining more durable pavements. By working together a win-win situation can be achieved. Techniques are available to make a real step forward but there should be a drive to use them.

In the past 6 months several innovations were presented during meetings, congresses and events and it will continue in the future. Also during the E&E Event 2018 in Berlin there will be a session dealing with "new technologies including equipment and information technology". However innovations without implementation is a waste of money.

Implementation of new technologies is not only important for obtaining more durable roads, reducing CO₂ and reducing costs for the road authorities. It is also important for the future of our industry itself. We have been able to attract new workers because in the near future the baby-boom generation of the 1950's will retire soon and they have to be replaced. Automated vehicles and connected and automated driving is getting a lot of attention today, and the road infrastructure industry has to work hard to remain in the picture and we have to communicate better.

I wish you a lot of inspiration and joy when reading this EAPA Newsletter.

Egbert Beuving,
Secretary General of EAPA

EAPA COMMITTEES

EAPA GENERAL COUNCIL ASSEMBLY

On 31 May 2017 the EAPA General Council Assembly was held in Paris.

The EAPA GCA approved the financial report of 2016 and approved the amended budget of 2017. Carsten Karcher, director of EAPA, presented the progress of 2017. The EAPA budget for 2018 was approved and the proposed fee structure for 2018 was accepted. It was agreed to discuss a new EAPA Membership fee structure at the next joint EAPA Executive Committee and Directors' Group meeting.

The report of the EAPA Executive Committee for 2016 – 2017 was approved as well as the updated Rules for Committees and Task Groups in EAPA.

Ms Gulay Malkoç, chairlady of the HSE Committee, presented the activities of the HSE Committee of the past 12 months and Knut Johannsen, chairman of the EAPA Technical Committee gave overview of the activities of the Technical Committee.

Egbert Beuving did this for the EAPA Asphalt Plant & Equipment Manufacturers Group.

Beuving also gave an overview of the activities of the EAPA secretariat of the past 12 months.

Three EAPA Position Papers were approved. That were:

- EAPA Guidelines for PCR and EPDs for asphalt
- Industry position statement on the use of secondary materials and waste in asphalt
- The Ideal Project

These three EAPA Position Papers can now be downloaded from the EAPA website at: <http://eapa.org/publications.php?c=90>

Karcher presented the EAPA membership situation and gave an overview of the EAPA and Eurobitume activities regarding the AsphaltAdvantages campaign. There was a short update regarding the EAPA Symposium (that was held the next day) and the E&E Event 2018, which will be held on 14 and 15 June 2018 in Berlin. The website of the E&E Event 2018 can be found at: <http://www.eeevent2018.org>.

Beuving gave an overview of the activities of the Organising Committee of the E&E Congress 2020.

The next EAPA General Council Assembly will be held on 13 June 2018 in Berlin. This is the day before the E&E Event 2018 will start.



EAPA GCA 2017

EAPA HSE COMMITTEE

The latest HSE Committee meeting was held on 5th April 2017 in Berlin with 22 participants from 13 different European countries.

In this one-day meeting traditionally the latest developments in the asphalt branch related to health, safety and environment were discussed and relevant information from different European countries on various topics was exchanged.

Many different topics were discussed, amongst those e.g. current Post IARC Bitumen Monograph activities, test procedures for measuring asphalt fumes and aerosols in the laboratory and in the field, the latest developments on Respirable Crystalline Silica (RCS), and ongoing European studies related to asphalt worker's health.

As environment items the committee discussed e.g. the reduction of CO₂ emissions in the transport sector and the contribution of the asphalt industry (see extra article in this newsletter), Environmental Product Declarations (EPD) and related CEN activities, Circular Economy activities of the European Commission, the use of waste of other industries in asphalt, and EU ETS Phase IV Directive.

The final version of the new EAPA Industry Statement "POSITION STATEMENT ON THE USE OF SECONDARY MATERIALS, BY-PRODUCTS AND WASTE IN ASPHALT MIXTURES" was approved, which can be downloaded from the EAPA website on www.eapa.org.

The next meeting will be held on 18th October 2017 in Paris.



HSE meeting in Berlin

EAPA TECHNICAL COMMITTEE MEETING

The EAPA Technical Committee had a meeting on 6 April 2017 in Berlin.

There was a report from the CEN TC227 WG1 "Bituminous Mixtures" meeting held in Paris in November 2016 and the CEN TC336 WG1 "Bituminous Binders for Paving" meeting held in March 2017 in Manchester. The draft EAPA Paper "The Ideal Project" was discussed and it was decided to send the updated version of this paper to the EAPA General Council Assembly for approval on 31 May 2017.

The use of Rejuvenators was discussed: Sabine Boetcher presented research results of the University of Bochum regarding rejuvenators and some Czech research papers and European research projects regarding the use of rejuvenators were presented. After evaluating the results of these projects, it was agreed to create an EAPA Task Group to come up with draft recommendations for the use of Rejuvenators.

The EAPA Work plan 2017 – 2018 was discussed and it was agreed to add 'Rejuvenators' and 'Bitumen quality characterisation' to the work plan.

A proposed structure for a new EAPA paper "Heavy duty pavements – the Arguments for Asphalt" was discussed and it was decided to draft a new paper on this subject.

The progress made in Europe regarding the use Warm Mix Asphalt was presented and the activities of the EAPA Asphalt Plant & Equipment Producers Group were explained.

The draft Product Category Rules for Bituminous Mixtures, as created by CEN TC227 WG6 "Sustainability", were discussed and the comments made were sent to convenor of CEN TC227 WG6.

There was an update regarding the EAPA Symposium 2017 in Paris, the E&E Event 2018 in Berlin and the AsphaltAdvantages.com website.

Further technical subjects were discussed:

- Types of Asphalt surface layers used on airports;
- Measuring techniques used in contracts for the longitudinal evenness.

The next EAPA TC meeting will be held on 19 October 2017 in Paris.



EAPA TC meeting in Berlin

EAPA SYMPOSIUM 2017

The 10th EAPA Symposium was held on 1 June 2017 in La Maison des Travaux Publics, 3 rue de Berri, 75008 Paris, France, close to the Champs Elysées, as a full day event with a networking dinner the evening before. The symposium was accompanied by a small exhibition with 8 exhibitors and was sponsored by J. Rettenmaier & Söhne and Sasol Waxes. More than 100 experts from more than 17 countries coming from EAPA members, members of EAPA members, asphalt & bitumen industry, road administration and academia participated at the symposium.

Under the heading “Sustainability, Innovation and Communication in the Asphalt Industry” EAPA informed the participants about the latest news of the asphalt sector concerning current and future topics and provided an excellent opportunity for networking, information exchange and discussions. During the day four sessions were held and the award of the “EAPA Asphalt Advocate of the year 2017” was presented.

Session 1 “Opening and keynotes” started in the morning with the opening by John Larsen, President of the European Asphalt Pavement Association and two keynotes one on “New Procurement Systems in Europe with green content” by Harald Versteeg, Rijkswaterstaat, The Netherlands and the other on “Communication of industry themes” by the facilitator of the day Katrina Sichel, Belgium.

After the coffee break Session 2 “Health, Safety and Environment at EAPA” with three speakers took place. They talked about:

- Status-quo and outlook for the Rolling Resistance in Europe by Johan Maeck, Belgian Road Research Centre
- Environmental Responsibility of the asphalt industry (Report of the EAPA Committee Work) by Geir Lange, Veidekke Industri AS, Norway
- Taking measures for the Worker’s Health – Fumes and Dusts (Report of the EAPA Committee Work) by Christine Leroy, USIRIF, France

In the afternoon session 3 “Making asphalt roads and the asphalt industry more attractive” was conducted by Katrina Sichel. This was an interactive session and draw upon the experience of the participants to develop, together, communication outputs that are accessible and meaningful for all actors in the sector. Structured by the moderator, participants worked in groups to design several communication tools for various channels (e.g. social media, events,

media outreach). The participants were highly engaged in developing messages and had obviously much fun in doing this new kind of exercise. The output of this session is reported separately on the EAPA website.

In session 4 “Innovation and new technologies” the following topics were presented:

- Applied new techniques and outlook in asphalt production and paving by Seirgei Miller, University of Twente, The Netherlands
- Building Information Modelling (BIM) for Infrastructure by Manus Marrtinen, NCC Industry, Finland
- Rejuvenators for Asphalt Mixes by Knut Johannsen, Eurovia, Germany

After this session EAPA, in person of director Carsten Karcher, awarded for the first time the “EAPA’s Asphalt Advocate of the year 2017”. With this award EAPA honours a member that has demonstrated own initiatives regarding a better asphalt road marketing and that has demonstrated an outstanding support regarding the “Asphalt Advantages” campaign EAPA initiated together with Eurobitume, the European Association of Bitumen Producers. The award was presented to Horst Erdlen, Head of the Business Unit, Road Construction of J. Rettenmaier & Söhne. The related EAPA Press Release can be found on the EAPA website on <http://www.eapa.org/publications.php?c=148>.

EAPA President John Larsen closed the symposium in the late afternoon and thanked the participants for their support for this event.

The presentations, the programme and pictures of this 10th EAPA Symposium are available on the EAPA website on <http://www.eapa.org/events.php?c=242> and further information of the day can be found on twitter with the hashtag #EAPASymposium2017.



Advocate of the Year Horst Erdlen (right) and Carsten Karcher, EAPA



EAPA President John Larsen



Coffee break



Participants during the interactive session



Facilitator Katrina Sichel



Award

EAPA AND SOCIAL MEDIA

If you want to receive just in time information and pictures about the EAPA activities just follow
EAPA on twitter: @eapa_org

Don't forget to get connected to the
AsphaltAdvantages on twitter: @asphalt_eu



Furthermore, EAPA provides information on
Facebook: @eapaoffice.

Join EAPA on social media and never miss any information of what is going on in the European Asphalt Industry!

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NEWS FROM BRUSSELS

20TH JUNE 2017

The Horizon 2020 research project DURABROADS consortium "Towards more durable and resilient asphalt pavements" held its final workshop in the premises of the European Road Federation (ERF). DURABROADS results should:

- Promote innovation and sustainability in the asphalt industry via the development of innovative elements and advances in circular economy implementation.
- Facilitate market deployment through the inclusion of Green Public Procurement Criteria (resource efficient construction, maintenance and rehabilitation strategies) and international cooperation with the US.

The members of the consortium presented the final results and discussed those with asphalt experts and representatives of the European Commission. EAPA is ERF member and was partly involved in this research project.

For more information go to www.durabroads.eu



José Díez, ERF (in the middle)

20TH JUNE 2017

DEKRA Germany held its DEKRA Road Safety Summer reception in the representation of the State of Baden-Württemberg to the EU. EAPA Director Carsten Karcher attended this event and exchanged information with amongst others vice-chair of the Committee for Transport and Tourism in the European Parliament, Member of European Parliament, Dieter-L. Koch and Commissioner for Energy, Günther Oettinger.



MEP Dieter-L. Koch, Mrs. Kirschbaum, Carsten Karcher, Bernhard Kirschbaum (from left to right)



Commissioner Günther Oettinger (right) and Carsten Karcher

21TH JUNE 2017

EAPA Director Carsten Karcher visited Member of European Parliament and member of the Committee for Transport and Tourism (TRAN Committee) in the European Parliament Ismail Ertug in his office in the European Parliament building. They had a chat on news from the TRAN Committee and Carsten informed MEP Ertug about the contribution of smooth and even asphalt pavements to the reduction of fuel consumption for the passing vehicles as well as to safety. He also handed over the EAPA, EUPAVE and FEHRL brochure "ROAD PAVEMENT INDUSTRIES HIGHLIGHT HUGE CO₂ SAVINGS OFFERED BY MAINTAINING AND UPGRADING ROADS".



MEP Ismail Ertug (right) and Carsten Karcher

27TH JUNE 2017

EAPA Director Carsten Karcher attended the joint ERTRAC and SME Europe event on "The future of Mobility solutions for Smart Cities in Europe" in the European Parliament and had the possibility to speak at the table discussions with several Members of the European Parliament and European Commission and to exchange with other players in the transport sector. EAPA is member of ERTRAC (European Road Transport Research Advisory Council).

25TH JULY 2017

EAPA Secretary General Egbert Beuving and EAPA Director Carsten Karcher visited Vincent Basuyau and Gunther Wolf of the European Commission, DG Grow and DG Environment to exchange information about the "European Waste Directive" and to receive the latest information about the topic "End-of-Waste criteria" especially for asphalt. EAPA Secretariat informed the two EC representatives about the latest figures of the European Asphalt industry on recycling and re-use of Asphalt.

The fruitful meeting provided some new insights for EAPA that will soon be discussed in the EAPA Health, Safety and Environment Committee.



Gunther Wolf, Egbert Beuving and Vincent Basuyau (from left to right)

25TH JULY 2017

EAPA Secretary General Egbert Beuving and EAPA Director Carsten Karcher met William Bird of DG Research of the European Commission. They exchanged information on current European research projects in the road transport sector in the Horizon 2020 programme of the European Commission. It was agreed to meet soon again for a deeper exchange on future research topics.



William Bird (right) and Egbert Beuving

5TH SEPTEMBER 2017

Member of European Parliament and member of the Committee for Transport and Tourism in the European Parliament Ismail Ertug, invited EAPA Secretary General Egbert Beuving and EAPA Director Carsten Karcher and 200 other experts from the transport sector to the "Driving Future Platform". The event with the heading "Autonomous Driving: Digital and Analogue Infrastructure" was held in the European Parliament. Vice-President of the European Commission for Energy Union Maros Sefcovic gave the keynote and several panellists, amongst them the president of the European Road Federation (ERF) Rik Nuytens, informed the auditorium from different angles about autonomous driving. It was interesting to hear that the road infrastructure is considered in these discussions, what shows that there is definitely enough to do for the asphalt sector, to bring the importance of it into the discussions. The event gave good opportunities to network and exchange information with colleagues of like-minded associations in Brussels.



Joop Hazenberg, Chairmen MEP Ismail Ertug, Commissioner Maros Sefcovic and Frederik Zohm (from left to right)

EAPA-EUROBITUME ACTIVITIES

ASPHALT ADVANTAGES

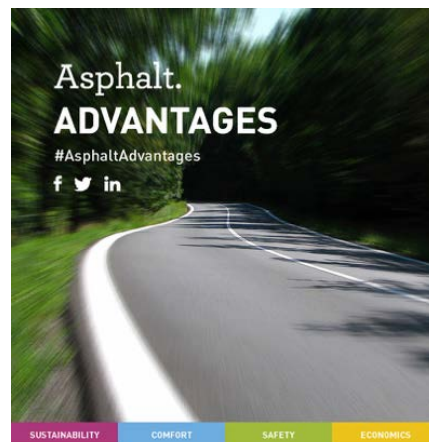
website now available in five languages!

The Asphalt Advantages online campaign, which has been launched jointly by European Asphalt Pavement Association (EAPA) and Eurobitume in October 2014, has recently made the website available in another language. Next to English, German, French, and Turkish, the Slovenian language has been added, and work on a Spanish translation is in progress.

In the last months the Asphalt Advantages campaign focussed on collecting feedback from stakeholders with help of an online-survey about the campaign. The results are currently discussed and there will be a workshop in the next months with several supporters of the campaign.

Everybody is invited to spread the asphalt advantages and the information given on the website. Therefore, different supporting tools have been created. Those are provided in a toolbox and can be downloaded from this website to support the campaign. Please feel free to add the provided tools on your association's or company's website or use the tools for your printed or online magazine.

We would be glad to see the advertisement in your publications. Some of these adverts can be found in this newsletter as an example.



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COMFORT

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E&E EVENT 2018

The first E&E Event 2018 will be held in Berlin on 14th – 15th June 2018 under the title 'Preparing the asphalt industry for the future'

This E&E Event was launched as a platform to continue the momentum initiated every four years at the E&E congresses.

The main objective of this event will be to focus on the preparations needed by the asphalt industry to ensure it is fit for future purpose by exploring the following important strategic issues, some have already been highlighted in the E&E Congress 2016:

1. Visions on the future of the asphalt industry
2. Economic aspects
3. Communication, education and training – Becoming an attractive industry
4. Future Environmental aspects including future Health & Safety items
5. New technologies including equipment and information technology.

At this moment the Organising Committee of the E&E Event 2018 is developing the programme using the responses received from the survey that was sent to a wide selection of potential participants.



The format of the Event will be based on creating effective interaction between participants to get a better common understanding on how to improve the future for the industry.

To reach this goal there will be an increased involvement of the participants through various direct interactions during the event combined with classical presentations.

The E&E Event 2018 is addressing senior managers and experts from road related industries, governments, local authorities, contractors, engineers, user groups and product suppliers.

The Event is accompanied by an exhibition.

The Sponsorship & Exhibition Prospectus can be downloaded at:

<http://www.eeevent2018.org/sponsorship-and-exhibition>



EUROPEAN STANDARDISATION

CEN TC227 WG1

On 4 and 5 May 2017 CEN TC227 WG1 "Bituminous Mixtures" had a meeting in Belfast, Northern Ireland.

The revised asphalt standards (hEN 13108 standards) have not been published in the Official Journal of the European Union yet. Most probably the European Commission will choose for a Delegated Act. The new harmonised standards can only be used for CE marking after they have officially been published in the Official Journal of the European Union.

Kenneth Lind, the convenor of CEN TC227 WG1 Task Group 2 "Test methods" presented the progress report TG2.

In the "Comments Resolution Meeting" the draft of prEN 12697-12 "Water sensitivity of bituminous specimen" was approved to go out for Formal Vote, subject to changes agreed in the meeting". The same applied for prEN 12697-26 "Stiffness".

The draft of prEN 12697-56 "Compaction procedure for cold mixtures - Static compaction" was approved to go out for CEN Enquiry.

Oliver Ripke, the convenor of Task Group 3 "Product Standards" presented a progress report. The draft of prEN 13108-31 "Asphalt standard on bituminous emulsion (ACBE)" was discussed and approved to go out for CEN Enquiry. This draft will go out for CEN Enquiry together with the related new draft test methods prEN 12697-53, -54, 55 and -56 as a package.

Task Group 4 "Conformity Assessment Standards" is dormant at this moment. TG4 implemented the principles of EN 13108-20 and -21 in prEN 13108-31.

Under agenda item "Liaison" there was an update regarding CEN TC 336 WG1 "Bituminous Binders for Paving". Under "CEN-matters" the progress of CEN TC227 WG6 "Sustainability" was presented. Other items discussed were Sector Group 15 issues, the review of the planning of CEN TC227 WG1 and national systems regarding assessment procedures for innovative techniques and materials.

The next CEN TC227 WG 1 meeting will be held on 25 and 26 April 2018 in Dublin, Ireland.



CEN TC227 WG1 meeting in Belfast

CEN TC227 WG6

On 18 May 2017 CEN TC227 WG6 "Sustainability" had its 5th meeting in Berlin.

Convenor John Booth reported on the work of CEN TC351 "Construction products: Assessment of release of dangerous substances", CEN TC154 WG13 "Dangerous substances" and the work of CEN TC350 "Sustainability of construction works".

The new Technical Specifications for the assessment of release of dangerous substances of construction products (CEN TS 16637-1, -2 and -3) will come into force in 2018.

CEN TS 16637-1 is "Guidance for the determination of leaching tests and additional testing steps", CEN TS 16637-2 specifies a Dynamic Surface Leaching Test (DSL_T) and CEN TS 16637-3 specifies an Up-flow Percolation Test (PT).

In the future TC 227 may need to produce some documents how to apply these three TS's. At the moment the TC 227 position is that testing for Bituminous mixtures is not required because of the evidence available showing that asphalt made in accordance with EN 13108, using aggregate conforming to EN 13043 or EN13055, does not release Regulated Dangerous Substances close to any regulatory limit in any member state.

The draft core Product Category Rules (PCR) for Road Materials - Part 1 'Bituminous Mixtures' was discussed. It was agreed to complete the changes as discussed and then circulate the revised document. If no comments are received the document will be sent to TC 350 for review.

Environmental Product Declaration (EPD) and Product Category Rules (PCR) for other CEN TC227 Road materials were shortly discussed too. No detail was discussed because there is no framework available yet for these materials.

The next CEN TC227 WG6 meeting is scheduled for 13 February 2018 in London.



CEN TC227 "ROAD MATERIALS"

CEN TC227 has its annual meeting on 19 and 20 June 2017 in Limassol, Cyprus.

Gonalo Ascenso of CEN-CENELEC Management Centre (CCMC) explained the situation of non-citing of standards in the Official Journal of the European Union (OJEU). Next to the asphalt standards there were many other standards that were not cited yet in the OJEU; at that moment there were 130 European Standards that were not cited yet.

During the Report from the Secretariat of CEN/TC 227 the new CEN procedures were explained.

The progress made by the Working Groups under TC227 was presented and discussed. That were:

- CEN TC 227 WG 1 "Bituminous Mixtures" (presented by Egbert Beuving of EAPA)
- CEN TC 227 WG 2 "Surface Dressing, Sprays and Slurry Surfacing"
- CEN TC 227 WG 3 "Materials for concrete roads including joint fillers and sealants"
- CEN TC 227 WG 4 "Unbound and hydraulically bound Mixtures"
- CEN TC 227 WG 5 "Surface characteristics"
- CEN TC 227 WG 6 "Sustainability"

Also the progress of the Ad-Hoc Group "Airfields" was presented and discussed.

The next CEN TC227 meeting will be held on 25 and 26 June 2018 in Vienna.



CEN TC227 meeting in Limassol

CEN TC336 WG1

On 19 and 20 September a CEN TC336 WG1 meeting was held in Milan. The standards EN 13924-1 "Hard paving grade bitumens" and EN 13924-2 "Multigrade paving grade bitumens" were published by CEN but they are not published yet in the Official Journal of the European Union (OJEU).

The standard for Polymer modified bitumens (EN 14023) is being revised now (after the 5 year review process) by CEN TC336 WG1 TG5. The time line was discussed. The goal is to have the draft standard ready before the next CEN TC336 WG1 meeting, so it can be discussed there. It is expected that the draft EN 14023 will go out for CEN Enquiry in end 2018 or in the beginning of 2019. In spring 2018 CEN TC336 WG1 will decide about the lay-out of the standard (so the large tables as in the current one, or a lay-out as the asphalt standards).

The Paving Grade Bitumen standard (EN 12591) is now out for Formal Vote (until 19 October 2017) and it will be published by CEN when approved.

Also several revised test methods were discussed.

It was agreed to write a project plan for Low Temperature Properties.

Under Liaison Updates Egbert Beuving presented the activities of CEN TC227 WG1 "Bituminous Mixtures". The Hungarian request to create a standard for Rubber Modified Bitumen was discussed. In the next CEN TC336 meeting a decision will be made regarding this Hungarian proposal.

The next CEN TC336 WG1 meeting will be held on 14 and 15 March 2018 in Delft, the Netherlands.



CEN TC336 WG1 meeting

GLOBAL ASPHALT PAVEMENT ALLIANCE

The Global Asphalt Pavement Alliance (GAPA) had its yearly meeting on 17 August 2017 at the Australian Asphalt Pavement Association (AAPA) office in Melbourne, Australia. This meeting was held the day after the AAPA Conference 2018 in Melbourne.

The Global Asphalt Pavement Alliance is a global network of regional and national trade associations whose activities are related to the production and laying of asphalt for pavements.

The meeting was attended by representatives of the Australian Asphalt Pavement Association (AAPA), the European Asphalt Pavement Association (EAPA), the Japanese Road Contractors Association (JRCA), the National Asphalt Pavement Association of the USA (NAPA) and the South African Bitumen Association (Sabita) and was chaired by Egbert Beuving (EAPA).

The meeting started with a welcome of Carlos Rial, CEO of AAPA.

The agenda items that were discussed were:

- "Promotion of Asphalt" with an overview of NAPA activities over the past year regarding Marketing and Communications and the AAPA campaign "Build It To Last".
- "Promotion of the asphalt industry" with an overview of promotion activities of the industry in Japan; the introduction of a briquette competition at Universities in South Africa, the AAPA Continual Improvement Program and the Training and education standards, shifting to a skills mapping in Australia
- "Standardisation" with an update on the introduction of PG specs in South Africa and the National standardisation activities in Australia
- "Technical issues": The items discussed here were Rejuvenators (EAPA), Polymer modified asphalt in Japan (JRCA), the EAPA paper "The Ideal Project", Perpetual Pavements & Australian Pavement Design and an overview of NAPA activities regarding Asphalt technologies, innovation, and research.
- "Health and safety issues" with an overview of NAPA activities regarding Safety/regulatory items and Key Performance Indicators for the industry in Australia.
- "Environment / Sustainability issues" with an overview of NAPA activities regarding Sustainability; Rolling Resistance in Europe and an update regarding Product Category Rules (PCR) and Environmental Product Declaration (EPD) activities.

- "Regulatory / Legislation issues" were the South African Road Funding study and Funding and Legislation Issues in Australia and in the USA.
- "Life-Cycle Cost Analysis (LCCA)" with an update from the USA.

At each agenda item several presentations were given explaining the situation in a certain region / continent. The presentations and the discussions that followed showed that most items presented were also main topics in the other regions.

More information about the Global Asphalt Pavement Alliance (GAPA) can be found at its website: <http://www.globalasphalt.org>



CEN TC227 meeting in Limassol



OTHER MEETINGS & EVENTS

EAPA ACTIVE AT FIRM17

The FEHRL (Forum of European National Highway Research Laboratories) Infrastructure Research Meeting 2017 - FIRM17 was held on 5th to 7th April 2017 in Brussels.

This event gathered more than 100 transport infrastructure research experts from Europe and beyond. EAPA participated in that meeting and gave a presentation.

With the theme of "The future of road business - a public-private enterprise embracing infrastructure and vehicles", the conference started with two strategic sessions of the same name and presentations from six keynote speakers about their respective strategies and future priorities were followed by presentations of different research projects in the field of road transport. In the session "Resilience" amongst others Karl Downey of EUPAVE and Carsten Karcher of EAPA presented together the Common position paper on CO₂ where the Road pavement industries highlight huge CO₂ savings offered by maintaining and upgrading roads".

The brochure can be downloaded on the EAPA website on www.eapa.org

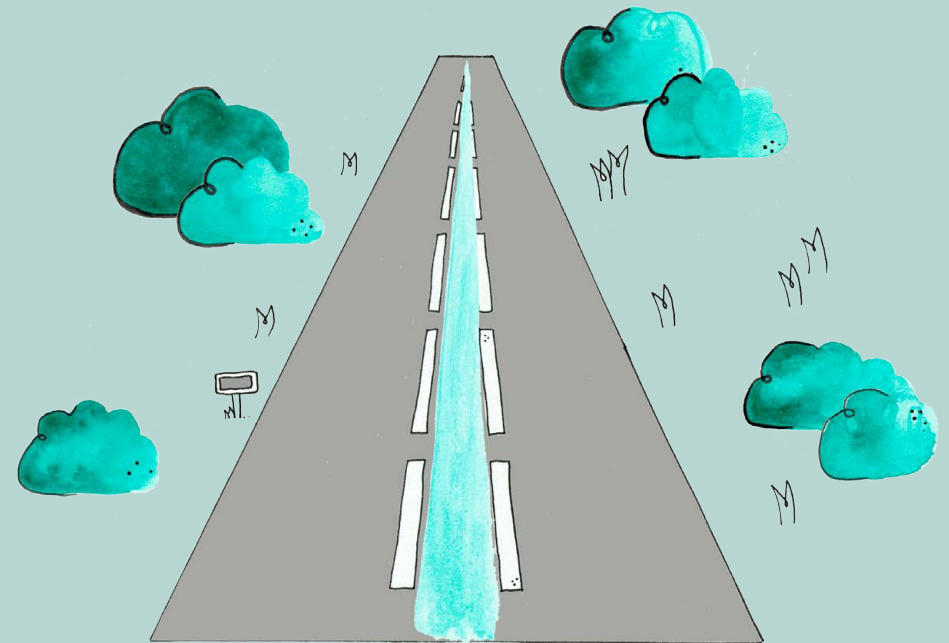
The programme, the presentations and much more information can be found on <http://www.fehrl.org/knowledge-transfer/workshop-and-seminars/firm2017>



Pannell discussion at FIRM17



ROAD PAVEMENT INDUSTRIES HIGHLIGHT HUGE CO₂ SAVINGS OFFERED BY MAINTAINING AND UPGRADING ROADS



Almost 28 million tonnes of CO₂ from road transport could be saved yearly – let's not waste this opportunity!



EUROPEAN ASPHALT PAVEMENT ASSOCIATION
www.eapa.org



www.eupave.eu



www.fehrl.org

GERMAN ASPHALTSTRASSENTAGUNG 2017

On 16 and 17 May 2017 the German Asphaltstraßentagung 2017 were held in Bamberg. In this two days event the latest research results, technologies and developments in the asphalt sector were presented and discussed.

In the session "Solutions for the Future" EAPA Director Carsten Karcher gave a presentation on "Asphalt research in Europe". In this presentation he addressed the research funds in Europe, the research strategy of the European Commission in the H2020 programme and the main European research fields in the asphalt sector. He explained the goals and outcome of selected European research projects related to decarbonisation of road transport and the contribution of asphalt roads, asphalt recycling and rejuvenators, sustainability, standardisation, and road maintenance.

In the same session EAPA TC member André Täube from DAV (German Asphalt Association) gave a presentation named "Application of rejuvenators for the reuse of asphalt" on the latest developments and research results for rejuvenators.

Further sessions and presentations dealt with properties of bitumen, performance of asphalt, development of the technical standards, pavement design and noise reducing asphalt pavements.



*Volker Schäfer, André Täube, Carsten Karcher and Konrad Mollenhauer
on the podium (from left to right)*

Asphalt. **ADVANTAGES**

#AsphaltAdvantages



SUSTAINABILITY

Asphalt working with the environment

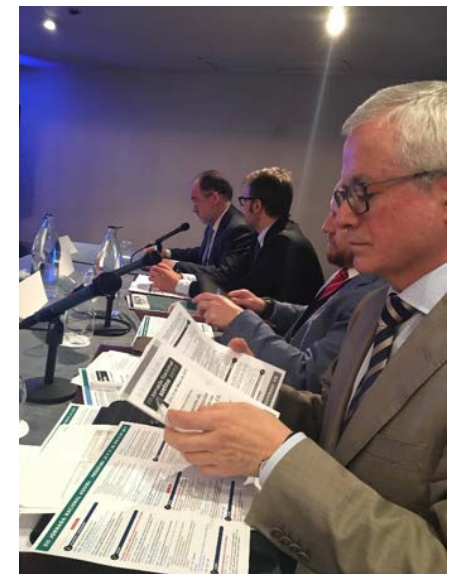
AsphaltAdvantages.com

XII JORNADA NACIONAL ASEFMA 2017

On 30 and 31 May 2017 the Spanish Asphalt Pavement Association ASEFMA held its XII National Asphalt Days in Madrid, Spain.

The topics of this conference dealt with the state of maintenance of all roads (low volume roads, city roads, motorways and high traffic highways) and the emissions, especially CO₂ emissions of the vehicles that drive on these roads. The impact of road condition on fuel consumption, noise generated between tire / pavement, greenhouse gas emissions, etc was discussed to show, that proper road maintenance is not only one of the pillars of social welfare, it is also an environmental need.

In this context EAPA director Carsten Karcher gave a presentation in the opening session on "Huge CO₂ savings by maintaining Europe's road network". This presentation was based on the joint position paper entitled "Road pavement industries highlighted enormous CO₂ savings offered by maintaining and upgrading roads" that has been prepared by EAPA, EUPAVE and FEHRL. The document highlights, in a precise way, the influence of the state of road conditions on the fuel consumption of the vehicles and therefore in the CO₂ emissions.



Manuel Nino and Juan José Potti

7TH EATA CONFERENCE 2017

The 7th EATA Conference 2017 under the patronage of the EATA (European Asphalt Technology Association) was organized in Switzerland from Monday, June 12th to Wednesday, June 14th, 2017. EAPA director Carsten Karcher participated in this conference.

The conference addressed scientists, researchers, engineers, experts, practitioners and decision makers as well as students. It focused on actual hot topics in the field of bituminous road materials and construction. Most recent progress in characterising, modelling, application and development of bituminous materials and structures were presented and discussed by widely recognized international experts in their field from all over the world. This included water and climatic effects, long term-pavement performance, cracking and fracture energy, asphalt recycling as well as special new materials and technologies.

The sessions were held under the headings Field Issues, Recycling of Asphalt Mixtures, Binder Properties, Cyclic Loading and Healing, Bitumen Testing, Mechanics of Mixtures, Industry Sessions, Damage Issues, and Low Temperature Behaviour.

Some EAPA members gave presentations, e.g. Laurent Porot, Arizona Chemicals talked about "Asphalt and binder evaluation of asphalt mix with 70% Reclaimed Asphalt" and Anton Demarmels from Ammann Switzerland presented on "Mixing Plant Design for High RAP Processing".

Please find more information on <http://eata2017.empa.ch/>



*EATA Chair Manfred Partl (left)
and Carsten Karcher, EAPA*



EAPA TC member Laurent Porot



EAPA TC member Anton Demarmels

STAKEHOLDERS APPROACH TO CO₂ EMISSIONS' REDUCTION 2030

After many years of working together under the chairmanship of the European car manufacturer's association (ACEA) and under the heading "Reducing CO₂ emissions in the transport sector together", a kind of informal "Stakeholder Group" was established. Most of the group members were the already involved stakeholders amongst them EAPA, ERF and ACEA. This group created the task to inform the European Institutions (Parliament and Commission) about possibilities of CO₂ emissions reduction in four fields of road transport. The content of the messages is based on the recently released report 'Joining forces to tackle the road transport CO₂ challenge' that was prepared by ACEA together with other stakeholders e.g. EAPA. This report and further information can be downloaded on the following websites:

- <http://reducingco2together.eu/>
- <http://www.acea.be/publications/article/report-joining-forces-to-tackle-the-road-transport-co2-challenge>

One main message out of ten is related to road infrastructure and is the claim for higher funding for road maintenance in order to obtain better road surface conditions, meaning smoother and more even road surfaces, to prevent vehicles from using more fuel or even reduce the fuel consumption while rolling over it. Other messages are related to e.g. driver training, alternative fuels, platooning, and low rolling resistance tyres.

Many internal meetings and some high-level events with the European Commission have already been held this year.

On 23 June 2017 the Stakeholder Group informed Director-General Jos Delbeke of DG CLIMA and his services and on 5 September 2017 they visited Director-General Henrik Hololei of DG Mobility and Transport.

On 17th October 2017 the group will be presenting its messages to a wide range of selected members of the European Parliament at a high-level event in the European Parliament hosted by the MEP Gesine Meissner, Vice Chair of the Committee for Transport and Tourism in the European Parliament.



*Director-General Jos Delbeke (left)
and Erik Jonnaert, ACEA*



Stakeholder Group at Directorate General Mobility and Transport



*Director-General Henrik Hololei
and Erik Jonneart, ACEA*



AAPA CONFERENCE 2017

On 13 – 16 August 2017 the 17th AAPA International Flexible Pavements Conference / Exhibition 2017 was held in Melbourne, Australia with the title “Roads of the future embracing disruption”. The conference was attended by 570 delegates.

In plenary sessions and in 4 parallel sessions a variety of interesting topics were presented.

In the Keynote session André Dorée of the University of Twente, Netherlands spoke about continual quality improvement through data rich road construction. About 15 years ago they moved away from the traditional business model in the Netherlands. A new contract type was introduced with new quality criteria and the guarantee period became 7 to 10 years. It became contracts with high trust and high penalties and the criteria in the most economically advantageous tender (MEAT) system created opportunities for the contractors. This did lead to the situation where contractors got a better understanding what they are doing and it increased the professional pride and resulted a better quality.

Audrey Copeland of NAPA (USA) spoke about future change, disruption and opportunities in the flexible pavement industry. She mentioned the results of the Strategic Asphalt Research (STAR) symposium of the Asphalt Institute Foundation where they discussed the future of the asphalt paving industry. One of the new technologies will be Big Data. These data can be used for insights and actionable information (data that can be used to make specific business decisions) for stakeholders. Other items were sustainability and climate change resilience. The future focus will be on Performance and Innovation.

Adam Hand of the University of Nevada (USA) spoke about rehabilitation of end-of-life concrete pavements. By using Creak & Seat or Rubblisation techniques the old concrete pavement can be turned into a good road base for asphalt overlays.

Audrey Copeland (NAPA) and Egbert Beuving (EAPA) gave an overview of the developments regarding sustainable procurement (Green Public Procurement) in Europe and the USA.

In the session “Flexible Pavement Technology for (Air)ports” Egbert Beuving gave an overview of the asphalt surfacing technology at European Airports. Currently, a standardised Marshall type dense graded asphalt is used as sur-

facing on Australian airports. The asphalt is grooved to ensure skid resistance requirements are met. Over time, increases in aircraft loading have resulted in increases in early age groove closure. Beuving showed in his presentation that Ireland and the UK mainly use Marshall Asphalt and grooving of asphalt airport pavements is only standard practice in Ireland and in the UK. In other countries in Europe Stone Mastic Asphalt (SMA) is often used as surface layer and in several countries Asphalt Concrete (AC) is used too, next to other surface types.

In the session “Embedding sustainability in procurement” the possibilities to implement Green Public procurement in Australia (there called Sustainable Procurement) were discussed. Here Egbert Beuving (EAPA) presented lessons learned from European Green Procurement for roads. This session was followed by a Workshop on sustainable procurement where possible ways ahead for Australia were discussed.

During the National Gala Dinner the Industrial Awards were handed over to the award winners. There were awards for the best Safety Initiative, the most Outstanding Project, Innovation, Emerging Leader, the Road Worker of the Year and for Industry Leadership.

In the Closing session Carlos Rial (CEO of AAPA) gave a summary of the congress. He mentioned that many interesting subjects were presented. For Australia the National Sprayed Seal Workshop, which was held during the congress, was very important for Australia because a lot of sprayed seals are used there due to the immense road network they have on their continent. This workshop was held to identify gaps in current knowledge and practice of sprayed seals technology. The outcome of this workshop will be used for the future research programme of Austroads. Rial concluded that we need to build more resilient roads.



André Dorée of the University of Twente



Audrey Copeland of NAPA (USA)



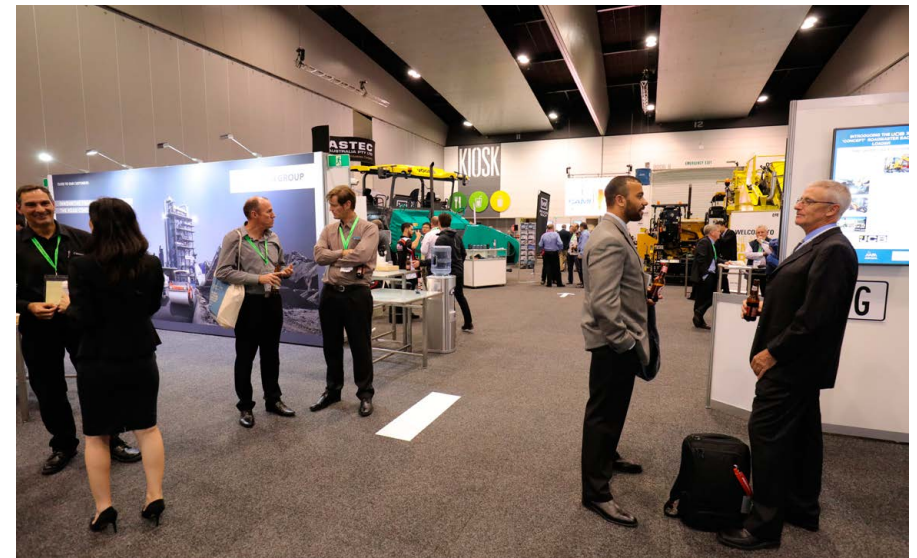
Adam Hand, University of Nevada



Carlos Rial (AAPA)



Exhibition



Exhibition

AAPA INTERNATIONAL FLEXIBLE PAVEMENTS - EXPERT SEMINAR

The Australian Asphalt Pavement Association (AAPA) held an AAPA International Flexible Pavements – Expert Seminar in Sydney on 18 August 2017.

After the introduction of Dougall Broadfoot, the New South Wales Executive Officer of AAPA, Audrey Copeland of NAPA presented “Future change, disruption & opportunities in the flexible pavement industry – a perspective from USA” and mentioned e.g. results of the Strategic Asphalt Research (STAR) symposium of the Asphalt Institute Foundation.

Adam Hand of the University of Nevada addressed techniques across USA for remediation of end of life concrete pavements including overlay design. He showed how crack& seat and rubblisation techniques can be used on concrete before overlaying it with asphalt.

Later on he gave a presentation about asphalt technologies applied at US airports.

Egbert Beuving of EAPA showed ways to improve the durability of asphalt pavements (as highlighted in the new EAPA Position Paper “The Ideal Project”).

Audrey Copeland and Egbert Beuving also had a joint presentation where they explained the learning points and processes for sustainable procurement from US and European experiences.



Dr Adam Hand



The Expert Seminar in Sydney

UPCOMING CONGRESSES

4th International Symposium on Asphalt Pavements & Environment

On 20 – 21 November 2017 the 4th International Symposium on Asphalt Pavements & Environment will be held in Tokyo, Japan.

This Symposium is hosted by ISAP Technical Committee on asphalt Pavement & Environment (TC-APE).

More information can be found at:
<https://confit.atlas.jp/guide/event/isapape2017/top?lang=en>



AV'17

On 28th – 29th November 2017 the CONFERENCE ASPHALT PAVEMENTS 2017 - AV'17 will be held in České Budějovice, Czech Republic.

More information can be found at:
<http://www.asfaltove-vozovky.cz/en/>



16th Colloquium on Asphalt, Bitumen and Pavements

On 30 November and 1 December the 16th Colloquium on Asphalt, Bitumen and Pavements in Bled, Slovenia.



PPRS Congress 2018

On 26 to 28 March 2018 the PPRS Congress will be held in Nice (France). This International event will be dedicated to the maintenance, modernisation and adaptation of our road networks to the mobility of the future.

More information can be found at: www.pprs2018.com



E&E Event 2018

The 1st Eurasphalt & Eurobitume Event will be held on 14 – 15 June 2018 in Berlin, Germany.

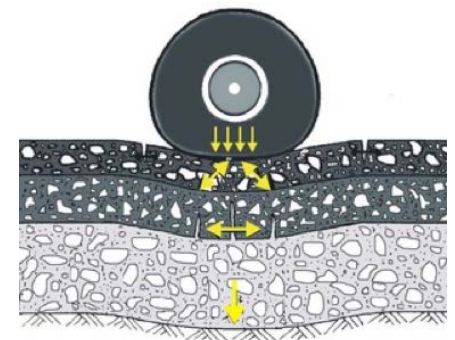
More information can be found at: <http://www.eeevent2018.org>



7th International Conference "Bituminous Mixtures and Pavements"

The 7th International Conference "Bituminous Mixtures and Pavements" (7th ICONFBMP) will be held on 12-14 June 2019 in Thessaloniki, Greece.

More information can be found at: <http://iconfbmp.civil.auth.gr/en>



More upcoming conferences can be found at the EAPA website: <http://eapa.org/events.php>

EVENTS LIST 2017

- 5 Oct EAPA AP&EM Group meeting in Paris
 10-11 Oct EAPA ExCo and Directors' Group meeting in Copenhagen
 11 Oct Extraordinary EAPA GCA in Copenhagen
 17 Oct EAPA Task Group Rejuvenators meeting in Paris
 18 Oct EAPA HSE Committee meeting in Paris
 19 Oct EAPA TC meeting in Paris
 23 Oct Organising Committee E&E Event 2018 meeting in Brussels
- 8-9 Nov Highways UK event, Birmingham
 14-15 Nov CEN TC336 meeting in Brussels
 16 Nov CEN TC336 WG1 TG5 meeting
 28-29 Nov AV-17 - Conference on Asphalt Pavements 2017 in České Budějovice (CZ)
 30 Nov-1 Dec 16th Colloquium on Asphalt, Bitumen and Pavements in Bled, Slovenia
 29-30 Nov Turkish Asphalt Congress, Ankara
- 18 Dec Organising Committee E&E Event 2018 audio meeting

EVENTS LIST 2018

- 13 Febr CEN TC227 WG6 meeting in London
 21 Febr EAPA AP&EM Group meeting in Paris
 28 Febr-2 March DAV Asphalttage in Berchtesgaden
- 14-15 March CEN TC336 WG1 meeting in Delft, the Netherlands
 26-28 March PPRS 2018 in Nice
- 11 April EAPA HSE Committee meeting in Bonn
 12 April EAPA TC meeting in Bonn
 17 April EAPA ExCo and Directors' Group meeting in Brussels
 18 April Joint EAPA – Eurobitume ExCo meeting in Brussels
 16-18 April TRA Conference, Vienna
 25-26 April CEN TC227 WG1 meeting in Dublin
- 15 May CEN TC227 Chairmen's Panel Meeting
- 13 June EAPA GCA in Berlin
 14-15 June E&E Event 2018 in Berlin
 25-26 June CEN TC227 meeting in Vienna
- 9-10 Oct CEN TC336 WG1 meeting in Sweden
 25-26 Oct CEN TC227 WG1 meeting

COLOPHON

Text: Egbert Beuving & Carsten Karcher

Layout: Window Stories

Pictures: Egbert Beuving and Carsten Karcher

MEMBERS

			
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