



ANNUAL REPORT 2021

A few words

Since 2020, and the beginning of the worldwide Covid-19 crisis, EUPAVE, as the organisations around the world, had to adapt its work and keep on offering the same level of service as previously.

While our working groups always met through teleconferences, the meetings of the Board and the Technical and Promotion Committee have also been held online since March 2020.

Regarding our events, EUPAVE had already organised webinars in the past and organised one in 2021. We also had the chance to organise one physical workshop during Matexpo 2021 and our Best Practices Workshop was held as an hybrid event the 20 October 2021.

You can find our detailed activities in this Annual Report.

Contents

2 ADMINISTRATIVE INFORMATION

Registered office, bylaws,
President and Vice-President,
Managing Director,
Communications and Office
Manager, Resignation and
Nomination of Directors

3 MEMBERSHIP AND PARTNERSHIP SITUATION

4 ACTIVITIES

Website, Newsletter, Video,
Publications, Events,
14th International Symposium
on Concrete Roads

20 REPRESENTATION

Events, meetings, collaboration
with stakeholders.

23 INTERNAL ORGANISATION

I

ADMINISTRATIVE INFORMATION

Registered office

The address and telephone number of EUPAVE remain:

EUPAVE
Boulevard du Souverain, 68 B13
1170 Brussels

Tel.: +32 (0)2 645 52 31

Bylaws

The bylaws of the association were modified at the Extraordinary General Assembly held on 3 December 2015.

The revised version is available in French and English. In case of differences between the two versions, the French version shall prevail.

President and Vice-President

EUPAVE's President remains
Mr. Stéphane Nicoud from Holcim

EUPAVE's Vice-President remains
Mr. Rory Keogh from GOMACO.

Managing Director

Mr. Luc Rens, Consulting Engineer at FEBELCEM, is Managing Director of EUPAVE since the Board meeting of 23 March 2009.

Communications and Office Manager

Ms. Elise Carabédian is Communications and Office Manager since 2 November 2016.

Resignation and Nomination of Directors

The mandates renewed as of 25 June 2021:

- Mr. Jan Deja, Polish Cement Association
- Mr. Ulrich Nolting, InformationBeton Centrum

The Board of Director is composed of the following members as of 25 June 2021:

- Koen Coppenholle (Cembureau)
- Hervé Camerlynck (Febelcem)
- Rory Keogh (Gomaco)
- Stéphane Nicoud (Holcim)
- Ulrich Nolting (InformationsBeton Centrum)
- César Bartolomé (Oficemen)
- Sebastian Spaun (VÖZ)
- Jan Deja (Polish Cement Association)
- Edwin Vermeulen (Cement&Beton Centrum)



II

MEMBERSHIP & PARTNERSHIP SITUATION

Members and Partners

At the end of 2020, EUPAVE had 19 members from 10 countries (10 Full Members and 9 Associate Members) and 13 Partners.

Full Members

- Betonsuisse Marketing AG
- CEMBUREAU (European Cement Association)
- Cement&Beton Centrum (Dutch Cement & Concrete Centre)
- FEBELCEM (Federation of the Cement Belgian Industry)
- GOMACO
- Holcim
- InformationsZentrum Beton GmbH
- Oficemen (Spanish Cement Association)
- Polski Cement (Polish Cement Association)
- VÖZ (Association of the Austrian Cement Industry)

Associate Members

- Britpave
- CEMEX
- Deltabloc International GmbH
- ERMCO - European Ready Mix Concrete Association
- Givasa
- Gütegemeinschaft Betonschutzwand & Gleitformbau e.V.
- Power Curbers Inc.
- Turkcimento (Turkish Cement Manufacturers' Association)
- WIRTGEN GmbH

Partners

- | | |
|---|---|
| <ul style="list-style-type: none"> • AB-Roads • Chem-Crete • Haitsma Beton • KWS Infra B.v. • Otto Alte-Teigeler GmbH • Otto Brentzel | <ul style="list-style-type: none"> • Robuco • Roos Groep • Sepehr Ghafari • SPECBEA • TRBA • Zeta Industry • ZBS |
|---|---|



III

ACTIVITIES

Website

EUPAVE website was developed in 2017.

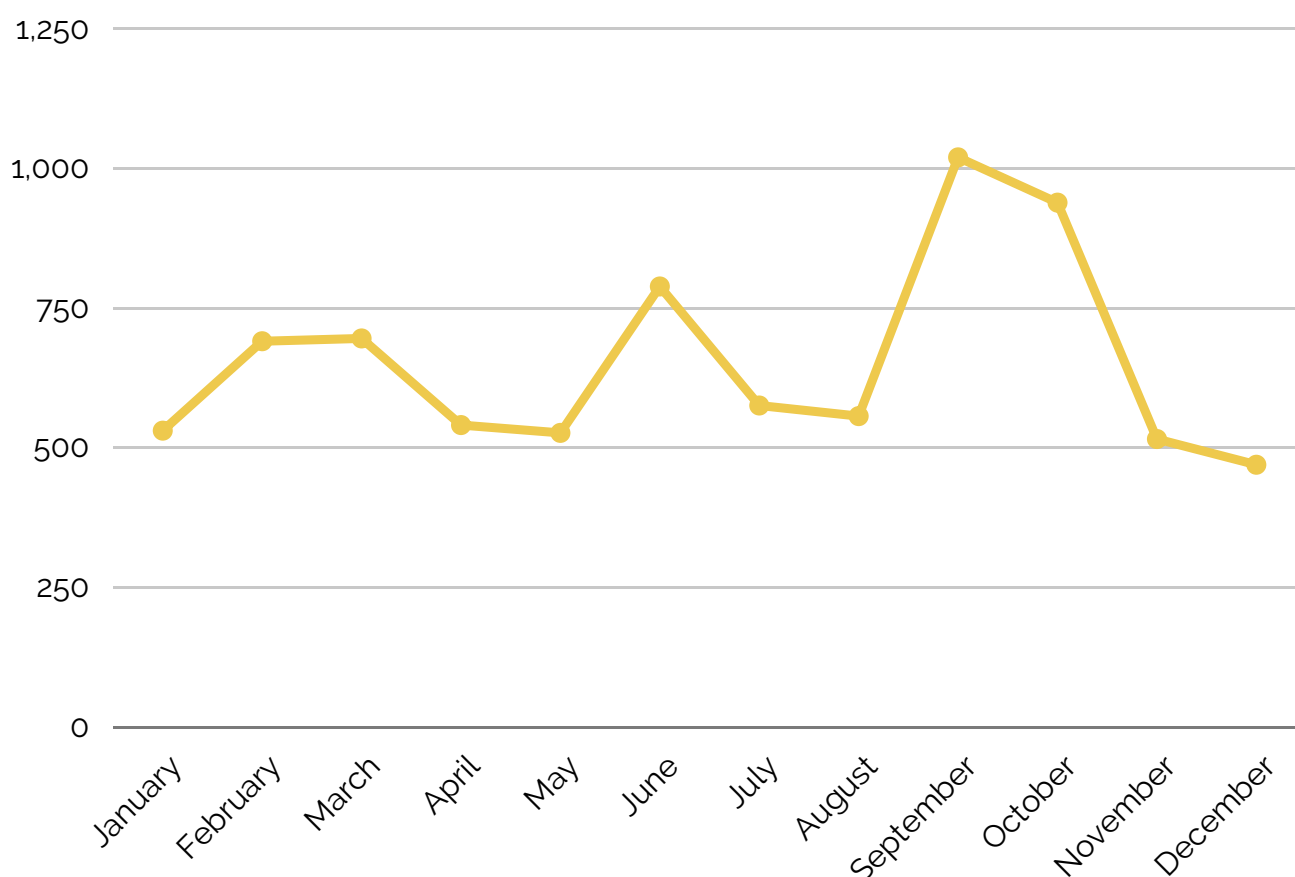
15 articles were published in 2021 as well as 1 position paper and 1 fact sheet.

last year's

NUMBER OF VISITORS PER MONTH

614

visitors per month on average



III

ACTIVITIES

Newsletter

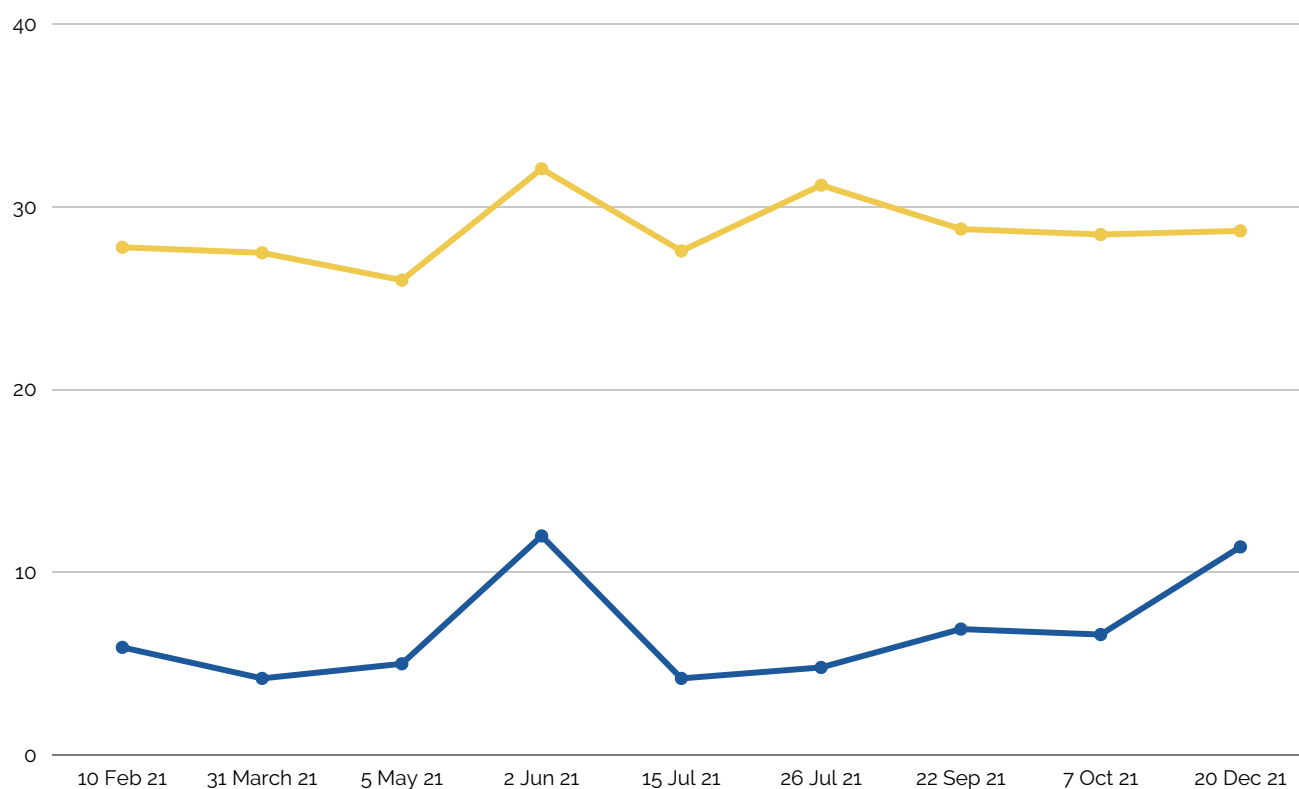
EUPAVE sent 9 newsletters in 2021.

last year's

**OPENED & CLICKED
NEWSLETTERS IN
2021 (%)**

1197

recipients approx.



III

ACTIVITIES

Newsletter

In December 2021, new design launched:

Latest news from the European Concrete Paving Association.

No images? [Click here](#)



20 December 2021



Invitation to EUPAVE online debate "Climate resilience and long-term transport investment", 25/01/2022

We are glad to announce our upcoming event hosted by Ms. Isabel García Muñoz, MEP. The event will be held online 25 January 2021 from 16.30 to 18.00.

Registration and programme are available on our website.

[Read more](#)



A wide range of solutions in "Pervious Concrete Pavements" presented at EUPAVE's 6th workshop on Best Practices

On Wednesday 20th October 2021, EUPAVE held as a hybrid event its 6th workshop on Best Practices in Concrete Paving. The theme for this year was "Pervious Concrete Pavement: an overview of European experiences".

[Read more](#)

Do not miss
our **fact sheets**



News from



Bryan Perrie, CEO & Former ISCP VP & Dir., Taking Lead on Cement & Concrete in South Africa

Officially launched in March of 2021 the formation of Cement & Concrete South Africa (CCSA) became the consolidated industry body of 3 different organizations that is set to take the lead on all matters cement and concrete in South Africa.

[Read more](#)



Kevin Abrams (1946 – 2021) A Tribute from Industry Colleagues and Friends

"To Louise and all of Kevin's family; the privilege that has been given to his industry colleagues, far too numerous to mention, some are here, to be part of this Service for Kevin is gratefully acknowledged."

[Read more](#)

Upcoming events



EUPAVE online event "Climate resilience and long-term transport investment"

Date: 25 January 2022
Hour: 16.30 - 18.00
Place: Online

[Read more](#)

14th International Symposium on Concrete Roads

Date: 25-29 June 2023
Place: Krakow, Poland

[Read more](#)

III

ACTIVITIES

Twitter

last year's

47 TWEETS
485 FOLLOWERS
(+43 IN 2021)

APPROX. 1525 IMPRESSION PER MONTH



Edit profile

EUPAVE, the European Concrete Paving Association
@EUPAVE

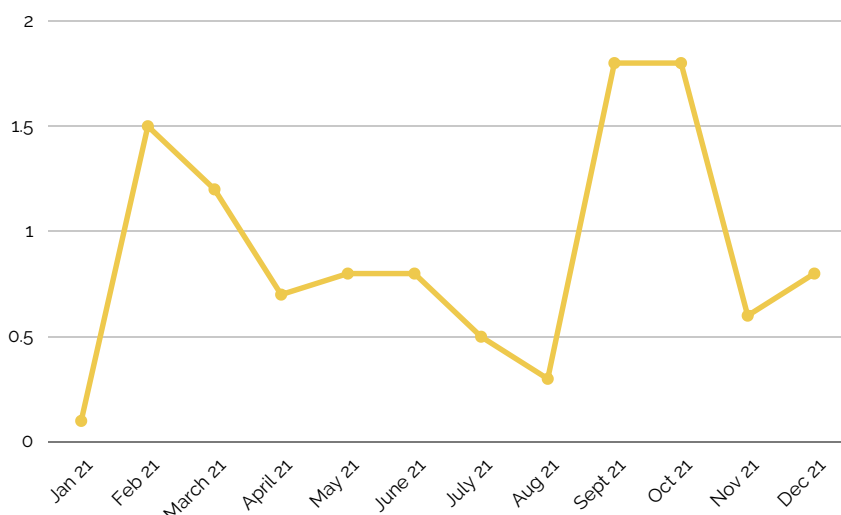
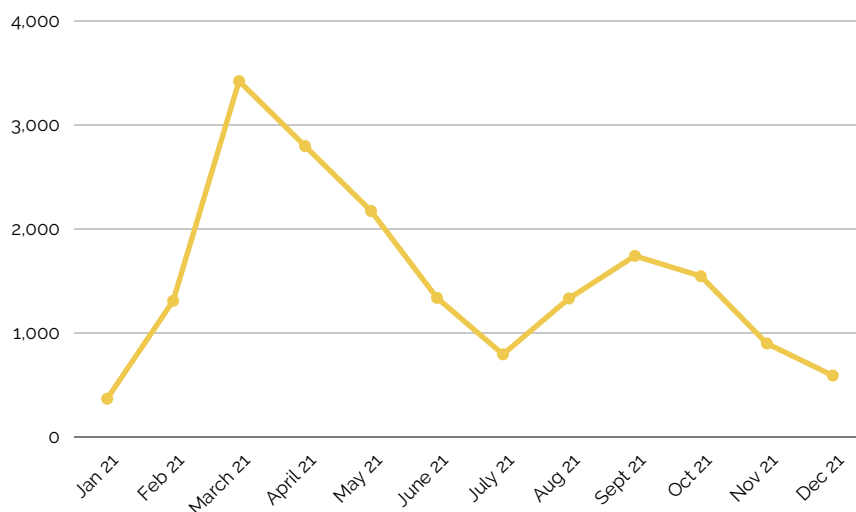
Our mission is to foster a sustainable #transport #infrastructure & promotes the benefits of #concrete #pavements in terms of #sustainability. • eupave.eu

Brussels eupave.eu Joined February 2015

419 Following 485 Followers

Impressions per month

An **impression** is the number of times users saw the tweet on Twitter.



Engagement rate

The **engagement rate (%)** is the number of engagements (clicks, retweets, replies, follows and likes) divided by the total number of impressions.

III

ACTIVITIES

Twitter - in details

January - March 2021

Top tweet with **2088** impressions and **3.5%** engagement rate

EUPAVE, the European Concrete Paving Association @EUPAVE · Mar

10

🔔 Last weeks to submit your abstract for **#CR2022!** Do not miss the deadline of 29 March 2021 !! **#concreteroads**
concreteroads2022.com/home
pic.twitter.com/OIVWpEz3KF

9 tweets
57 approx. impressions
 per day

April - June 2021

Top tweet with **1017** impressions and **3.1%** engagement rate

EUPAVE, the European Concrete Paving Association @EUPAVE · May

26

[Thread]

"Concrete pavements are a sustainable solution" why?

➡ eupave.eu pic.twitter.com/me9nXvstME

15 tweets
69 approx. impressions
 per day

July - September 2021

Top tweet with **799** impressions and **2.8%** engagement rate

EUPAVE, the European Concrete Paving Association @EUPAVE · Sep

22

📣 We are happy to announce our 6th workshop on Best Practices in Concrete Paving with focus on "Pervious concrete pavements: an overview of European experiences", 20 October 2021 - HYBRID EVENT
 Programme & registration ➡ bit.ly/3Cyygcw
pic.twitter.com/ahX7beljxY

10 tweets
42 approx. impressions
 per day

October - December 2021

Top tweet with **437** impressions and **3.9%** engagement rate

EUPAVE, the European Concrete Paving Association @EUPAVE · Oct

28

Our colleague and member César Bartolomé from **@Oficemen** will participate in the training course of **@Smart_Transp** on **#SustainablePavements**, 8-12 November, online! More info below ➡
twitter.com/Smart_Transp/s...

13 tweets
33 approx. impressions
 per day

III

ACTIVITIES

LinkedIn

last year's

497

SUBSCRIBERS

(+109 IN 2021)



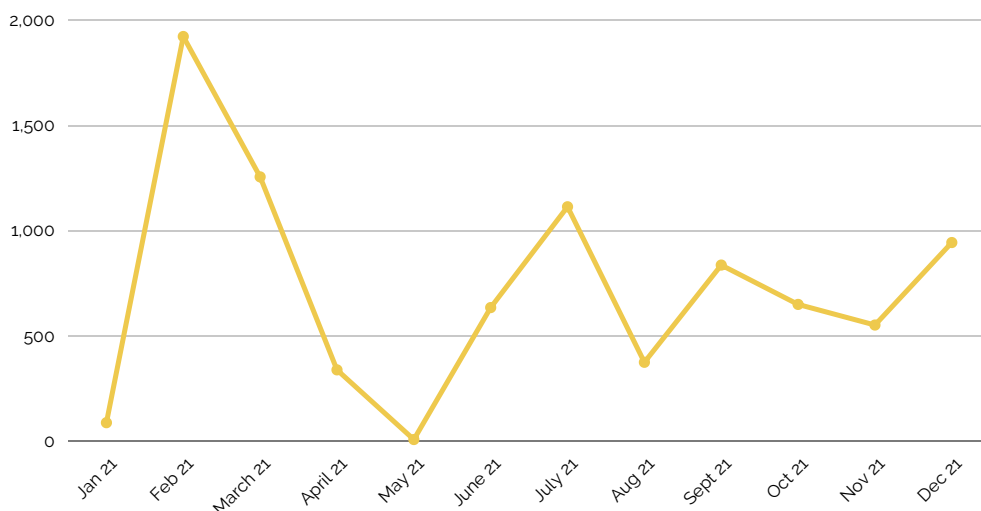
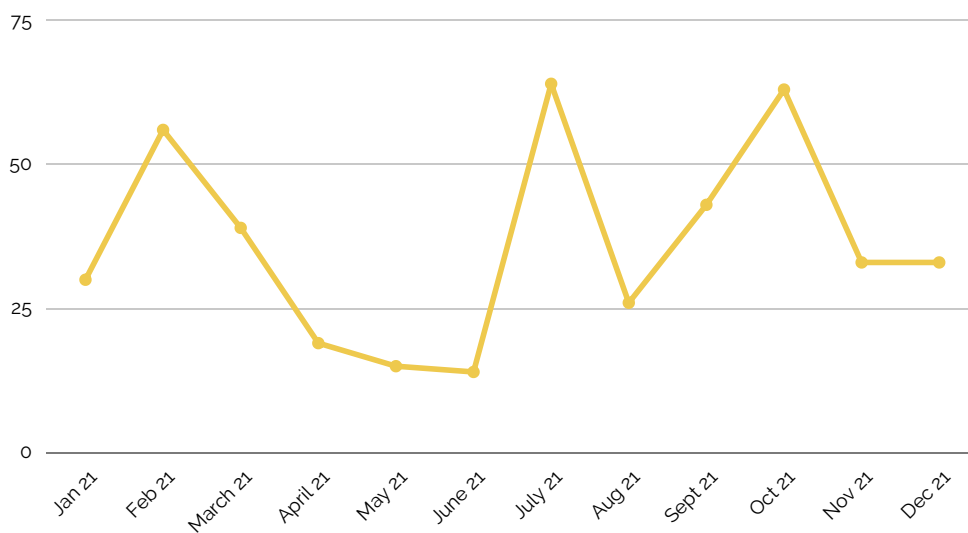
EUPAVE, the European Concrete Paving Ass...

We advocate and enable wider use of cement and concrete applications in European transport infrastructure • eupave.eu

Construction · Watermael-Boitsfort, Bruxelles · 498 abonnés

Views on page

Total number of views of the page, on all tabs (on average per month).



Impressions on page

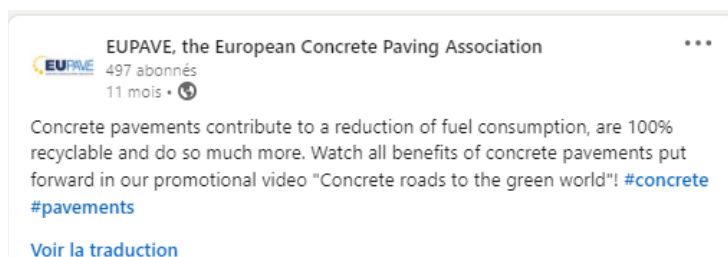
An **impression** is the number of times users saw the post on LinkedIn.

III

ACTIVITIES

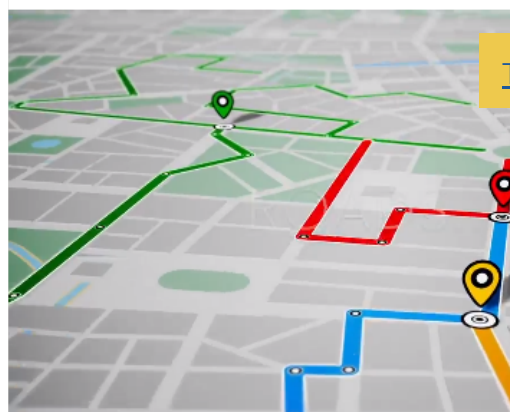
LinkedIn

Top post with **1307** impressions and **1.68%** click through rate



"The average click-through rate (CTR) is the ratio of clicks on your link to impressions your link makes. Since it is an average, it looks at the CTR of your overall campaign rather than for each individual keyword." (source: linkedin.com)

Top post **756** with impressions and **0.79%** click through rate



Benefits of concrete pavements by EUPAVE (2021)

José María Merino et 25 autres personnes

Réactions



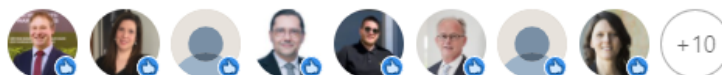
J'aime

Commenter

Partager



Réactions



J'aime

Commenter

Partager

Envoyer

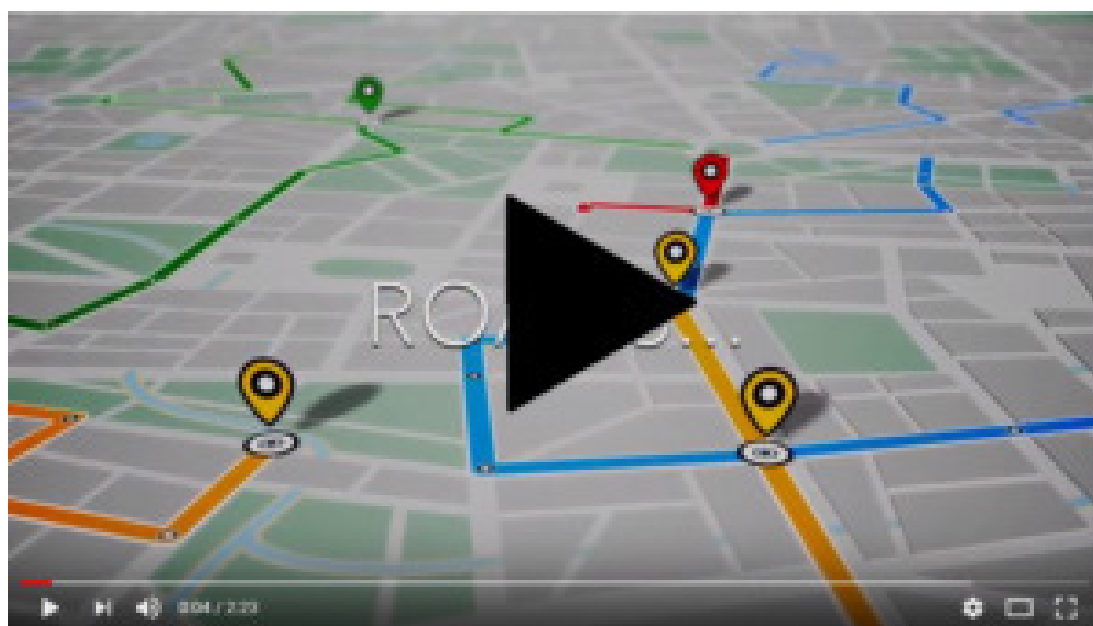
III

ACTIVITIES

Videos

Following the publication of its infographic and fact sheets, EUPAVE's Communications Tools WG has worked on a new version of the video initially released during the 13th International Symposium on Concrete Roads in 2018.

The promotional video now includes facts and numbers demonstrating the sustainability of concrete roads.



The videos from EUPAVE's webinars and hybrid events are also published on YouTube:

- ➔ [EUPAVE Webinar "Towards a low carbon & circular concrete", 23 June 2021](#)
- ➔ [Best Practices workshop "Pervious Concrete Pavement: an overview of European experiences", 20 October 2021](#)

III ACTIVITIES

Publications



Following the release of our infographic "Concrete Pavements make roads more sustainable", EUPAVE's working group on Environmental Strategy released fact sheets focusing on its different items; on **"High Albedo"** in June 2020, **"Less fuel consumption"** in October 2020, **"100% Recycling"** in December 2020.; "100% recycling" in January 2021 and "Climate Resilience" in September 2021.



March 2021 - Position Paper "Which new opportunities for sustainable construction within the NextGenerationEU?"

"EUPAVE would like to ask national governments and EU institutions to consider the role that transport infrastructure, in particular roads, can play for a prompt recovery based on the European Green Deal and carbon neutrality by 2050."

III

ACTIVITIES

Events

23 June 2021

Great interest for EUPAVE's webinar on low-carbon & circular concrete!

On Wednesday 23rd June 2021 EUPAVE held a technical webinar entitled "Towards a low-carbon & circular concrete". The discussion focused on new cement types, alternatives binders and aggregate substitution by recycled materials and by-products. The webinar was attended by around 90 participants from more than 25 countries.

Mr. Luc Rens, Managing-Director of EUPAVE, opened the event by welcoming the participants and presenting EUPAVE and its activities. He also stressed the importance of the chosen topics in the light of Europe's Green Deal.

Mr. Edwin Vermeulen, Director of Cement&Beton Centrum started by describing the issue of availability of raw materials. Afterwards, he presented several special cement types and alternative binders to achieve significant CO₂ reduction.

The second presentation was given by Mr. Bram Doms, Assistant Head of Laboratory, Laboratory "Concrete Technology" at the Belgian Building Research Institute. Mr. Doms focused on the use of recycled concrete aggregate and other recycled materials in concrete. His findings were based upon the Belgian research project Circular.Concrete.

Both presentations were followed by a Q&A.

[Link to the article
with presentations and video](#)



III

ACTIVITIES

Events

9 September 2021

Focus on offset concrete paving and 3D machine guidance during EUPAVE/FEBELCEM workshop at MATEXPO 2021

The Federation of the Belgian Cement Industry, **FEBELCEM**, and the European Concrete Paving Association, **EUPAVE** organised on 9 September 2021 a joint workshop on "Offset concrete paving" at MATEXPO 2021, Kortrijk. MATEXPO is a biennial international trade fair for building equipment at Kortrijk Xpo. As the third largest trade fair of its type in Europe, it has an established reputation and receives more than 40,000 visitors.

Mr. Luc Rens, Managing Director of EUPAVE opened the workshop with a short introduction. Mr. Jeroen de Vrieze, Advisor Promotion, Market and Statistics from Betonhuis, moderated the event.

The first presentation was given by Arnaud de Cnijf, Support Specialist at TOPCON Positioning Belgium. Mr. de Cnijf started with presenting the company that designs and manufactures positioning products and solutions for the global surveying, construction, agriculture, amongst other. He gave a clear overview of different types of machine guidance systems. You can find the presentation here: **"3D machine control: from theory to practice"**.

Then, representatives of three manufacturers of slipform paving machines – POWER CURBERS, GOMACO and WIRTGEN, all members of EUPAVE, introduced the offset paving applications.

Mr. Guy Tops, International Sales Manager, gave a presentation of Power Curbers starting with the history of the company. Since 1953, when Power Curbers made its first curb machine, the organisation developed its expertise worldwide. They will soon celebrate their 70th birthday.

Mr. Patrick Zanen, Global Director of Business Development, showed the large spectrum of competences of Gomaco. Representatives of the Belgian contractor Superbeton explained why they chose the Gomaco 3000 and showed the benefits of the machine.

Mr. Matthias Fritz, Machine Control Product Manager, presented Wirtgen's machines and more specifically the Wirtgen Autopilot 2.0 and its components, advantages and benefits.

A Q&A followed the presentations.

III

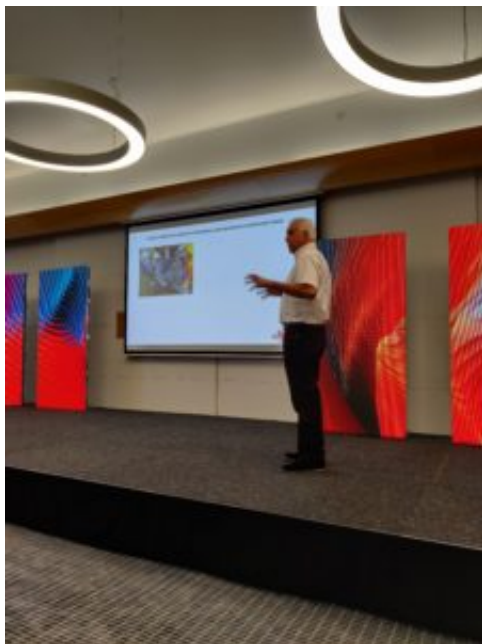
ACTIVITIES

Events

9 September 2021

Focus on offset concrete paving and 3D machine guidance during EUPAVE/FEBELCEM workshop at MATEXPO 2021

.....



[Link to the article
with presentations and video](#)



III

ACTIVITIES

Events

20 October 2021

A wide range of solutions in "Pervious Concrete Pavements" presented at EUPAVE's 6th workshop on Best Practices in Concrete Paving 1/2

On Wednesday 20th October 2021, EUPAVE held at Hôtel Le Châtelain in Brussels its 6th workshop on Best Practices in Concrete Paving. The theme for this year was "Pervious Concrete Pavement: an overview of European experiences". It was organised as a hybrid event, using a professional sound and video-system from the Dutch "Betonhuis" ("Concrete House") and was attended in-person by 15 participants and online by 65.

As a result of climate change, both periods of drought and extreme precipitation occur more frequently. The recent floods in Europe made us face up to the facts and stressed the importance of integrated water management. Solutions include sustainable road surfacing that is permeable to water, that can store the water in the road structure and allow it to infiltrate into the subsurface or to be slowed down and drained to a nearby infiltration facility or sewer system. Concrete offers various possibilities, both with prefabricated elements and cast in situ. With in-situ concrete, there are solutions in draining (porous) concrete and in classic concrete with drainage openings. This workshop gave an overview of research, practical experiences and innovations in different European countries.

Mr. Luc Rens, Managing-Director of EUPAVE, opened the workshop and welcomed the participants.

He introduced EUPAVE, its mission and gave an overview of the previous workshops on Best Practices. He reminded the concept and gave a quick history of the development of pervious concrete pavement. In order to outline the topicality of the issue, he referred to a recent EUPAVE fact sheet on climate resilience, which cites the problem of increasing flooding and also refers to mitigation measures through permeable pavements.

Mr. Elia Boonen, Research and Technical Advisor at the Belgian Road Research Centre, gave a presentation on "Pervious (lean) concrete for sustainable road pavements: first results of the Belgian Be-Drain". The Be-Drain is a project in collaboration with the CRIC-OCCN (Research Centre of the Belgian Cement Industry) with a double normative objective: (complementary) technical guidelines, performance characteristics and test methods for porous concrete, on the one hand, for use as a base material in pavements and, on the other hand, as a pavement itself.

III

ACTIVITIES

Events

20 October 2021

A wide range of solutions in "Pervious Concrete Pavements" presented at EUPAVE's 6th workshop on Best Practices in Concrete Paving 2/2

.....

Then, Eugen Florescu, Road Projects Manager at Holcim presented "Pervious concrete, an environmentally friendly material for roads: applications on construction sites in France". He showed a number of nice applications of Hydromedia, a special ready-mix concrete with a high degree of permeability, which allows a rapid water drainage.

Jeroen de Vrieze, Advisor Promotion and Market Statistics at Betonhuis gave a well-illustrated presentation on the "Special applications of pervious concrete in the Netherlands". He introduced three very particular applications: for widening of roads for safety reasons, for sport fields and for the use as passive fire safety solution in an industrial environment.

Following the coffee break, Fabrice Bonnin, Technical Manager at Via Sols introduced "A permeable grass concrete pavement: new opportunities with biodegradable formwork". Mr Bonnin introduced Via Sols and their product Via Verde and its more than 100 applications since 2017. Viaverde is an in-situ cast concrete pavement, provided with drainage holes that can be filled with grass or granular material;

Finally, Alalea Kia, Postdoctoral Researcher in Structures and Materials of the Department of Civil and Environmental Engineering from the Imperial College London presented "Next-generation climate change resilient permeable pavements". She gave an overview of the benefits of permeable pavements, the challenges with the current generation of permeable pavements. She also introduced the product she developed, Kiacrete, a high-strength and clogging-resistant permeable concrete pavement.

The presentations were followed by a Q&A from both the live audience and the on-line participants. For the in-person participants, the afternoon ended with a pleasant networking cocktail.

A special thanks was attributed to our colleague Jeroen de Vrieze and the Dutch Betonhuis for the use of the audio-visual system.

III

ACTIVITIES

Events

20 October 2021

A wide range of solutions in "Pervious Concrete Pavements" presented at EUPAVE's 6th workshop on Best Practices in Concrete Paving

.....



[Link to the article with presentations and video](#)

III

ACTIVITIES

14th International Symposium on Concrete Roads

July 2021

14th International Symposium on Concrete Roads postponed to 25-29 June 2023!

.....

Together with you, we were looking forward to the 14th International Symposium on Concrete Roads (14ISCR), scheduled from 19 June to 23 June 2022 in Krakow, Poland. However, even though the covid situation is improving in most countries, there is still reluctance to travel.

That is why, after close consultation with the Polish Cement Association, organizer of the Symposium, we have made the difficult decision to postpone the 14ISCR to 25-29 June 2023. This leaves us more time for preparation and gives the chance to more authors to submit their abstracts.

The new deadline to submit your abstract is 15 February 2022.

For authors who have submitted their abstracts before 17 June 2021: you will soon receive your acceptance letter with comments made by the International Technical Programme Committee together with the paper guidelines.

For those who submitted their abstracts after 17 June 2021: your abstract will be reviewed during the second session.

[Full statement](#)



The second International Technical Programme Committee meeting was held online 17 June 2021.

IV

REPRESENTATION

Events/Meetings

Month	Day	Activity
January	16	ACPA/EUPAVE
February	8	Meeting call with PIARC
		Meeting call with WeThink
	17	Webinar PIARC "Electric Road Systems"
May	11	WeThink Webinar
June	6	PIARC Webinar (Tunisia)
	10	ERF Plenary Assembly
	21	Meeting call with Mr. Phillips, CEDR
July	2	ERTRAC Annual Conference
September	15	ASCP/EUPAVE meeting
	27-1/10	ISCP Int. Conf. on Concrete Pavements
October	12	Cembureau online event
	4-5	Spanish delegation worksite visit
	5-6	Betonstrassentagung 2021
December	3	Meeting ASCP/EUPAVE
	7	FIRM 2021, FERHL

IV

REPRESENTATION

Collaboration with stakeholders

June 2021

EUPAVE joins the European Parliament Long-Term Investment and Sustainable & Competitive Industry Intergroup

EUPAVE is glad to join as partner organisation the Long-Term Investment and Sustainable & Competitive European Industry Intergroup. We look forward contributing to the discussions and activities!

"The Intergroup serves as a forum for discussion on the multifaceted dimensions of long-term and sustainable investments, and of a comprehensive EU industrial policy over the EU 2019-2024 term. It provides Members of the European Parliament with an efficient horizontal tool supporting their activities in their relevant committees."



November 2021

Announcement of official collaboration between ASCP and EUPAVE!

After years of collaboration, the Australian Society for Concrete Pavements (ASCP) and EUPAVE have finally formalized their relationship by signing a Memorandum of Understanding on September 15, 2021.



The purpose of this formalisation is the desire to strengthen our cooperation and provide mutual support in our missions. We wish to facilitate the advancement of knowledge and technology related to concrete pavements through education, technology transfer and research.

IV

REPRESENTATION

*Collaboration with stakeholders**ISCP (International Society for Concrete Pavements)*

Mr. Luc Rens continued in 2021 his position as a Director of the Board in ISCP and participated in the conference calls of the Board Meeting.

*PIARC (World Road Association)*

In 2021, Luc Rens participated as corresponding member in the Technical Committee 4.1 Road Pavements.

*ERF (European Road Federation)*

EUPAVE continued its membership of the European Union Road Federation and participated in in the ERF working groups as well as other activities:



- ERF Plenary Assembly of 10 June 2021 (online)
- Luc Rens participated in the ERF WG on Road Restraint Systems

ERTRAC (European Road Transport Research Advisory Council)

EUPAVE remained a member of ERTRAC in 2021 and participated in ERTRAC Annual Conference the 2 July 2021.





INTERNAL ORGANISATION

Following the sanitary crisis, EUPAVE had to slightly modify its internal organisation and held online meetings. However, EUPAVE bodies maintained the meetings in order to continue the work and progress, to set out the strategy and decide on different forms of promotion, events and seminars.

One ordinary General Assembly was held online on 25 June 2021.

Four Board meetings were organised on:

- 10 March 2021
- 25 June 2021
- 21 October 2021
- 7 December 2021

Four Technical and Promotion meetings were held on:

- 10 March 2021
- 25 June 2021
- 21 October 2021
- 7 December 2021

Working Groups

January	14: Concrete Safety Barriers WG 18: EU Adv WG 22: Comms Tools WG 25: Env Strat WG
February	17: EU Adv WG 26: CSB WG
March	1: Comms Tools WG 3 & 16: EU Adv WG 19: Env Strat WG 31: BP WG
April	15: CSB WG 19: Env Strat WG 20: EU Adv WG 28: EU Adv WG
May	25: Env Strat WG 26: Meeting for CPS WG

June	1: EU Adv WG 2: Meeting with Holcim (Env Strat WG) 4: Comms Tools WG 23: BP WG 29: Env Strat WG
July	6: EU Adv WG
August	25: Env Strat WG
September	1 & 10: EU Adv WG 23: CPS WG
October	14: CSB WG 18: Env Strat WG 28: CPS WG (w/ Justin Moss) 29: EU Adv WG
November	8: EU Adv WG
December	14: CPS WG 16: EU Adv WG 21: Env Strat WG

