Global emulsions markets
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Outline
- Introduction
- The markets today
- Driving factors
- Answers from the industry
- Conclusion

Introduction
- International Bitumen Emulsion Federation
- An association formed in 1996
- Members from 19 countries
- 75% of the volumes worldwide

The IBEF around the World

The markets today
- A delivery mechanism
- A long story that dates back from the 20's
- A joint work with the oil and the chemical industry

The markets today
- 8 million MT / year
- i.e. 9% of the road bitumen volumes
The markets today

- The main players

Driving factors

- The need for pavement preservation
- Increasing maintenance needs
- An adverse economical context
- Health requirements and safety issues
- Environmental context

Driving factors

- The need for pavement preservation
- Increasing maintenance needs

- Along with the growth of the economy
- Along with the growth of the road networks
  - By 2050, China’s road network will cover over four million kilometres, compared to the current 1.7 million kilometres, and the quality of road transportation will be on a par with that of developed countries, Vice Minister of Communications Hu Xijie said on Monday.
  - Hu was outlining the development of China’s road transportation network in the first half of the 21st century in his address to the 2002 China Road Transportation Development Forum (CRTDF).

Driving factors

- The need for pavement preservation
- Increasing maintenance needs
- An adverse economical context
  - Economical crisis, debt challenge in Western countries, low public budgets
Driving factors
- The need for pavement preservation
- Increasing maintenance needs
- An adverse economical context
- Health requirements and safety issues

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* [...] This strong mechanistic evidence led to the classification of occupational exposures to straight-run bitumens and their emissions during road paving as “possibly carcinogenic to humans” (Group 2B).*

Answers from the industry
- The need for pavement preservation
- Increasing pavement maintenance needs
  - Bitumen emulsion techniques are ideally suited for pavement maintenance
  - Micro surfacing, surface dressing, cold in place recycling

Answers from the industry
- An adverse economical context
  - Emulsion techniques are affordable

Answers from the industry
- Health requirements and safety issues
  - Low temperature provide with low emissions

Answers from the industry
- Health requirements and safety issues
  - Low temperature provide with low emissions
Answers from the industry

- Environmental context
  - Reducing carbon dioxide emissions

Conclusions

- The bitumen emulsion techniques have their role to play within a difficult financial context

Conclusions

- The bitumen emulsion techniques meet HSE challenges
- The bitumen emulsion techniques need to meet new challenges
  - High traffic roads
  - Quality of the bitumen

Thank you