


 **2011**
STUDY TOUR 

*Proposal for a Southern Hemisphere
Sprayed Sealing Alliance*

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ARRB

 AAPA 2011, Pre-CAPSA'11 Study Tour – Sprayed Sealing Alliance. 

 **2011**
STUDY TOUR 

Sprayed Sealing Alliance

- Background
- Why?
- How?
 - Web group
 - Organisation
- When?

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**1st International Sprayed Sealing
Conference, Adelaide 2008**

 **Cost effective high
performance surfacings** 

- Workshop of invited experts convened to distil key topics and issues identified
- Global alliance within the sprayed sealing community recommended
- Web page established: www.rrb.com.au/sealing/

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**2nd International Sprayed Sealing
Conference, Melbourne 2010**



 *Sustaining
Sprayed Sealing Practice* 

- 240 participants from 19 countries.
- Keynote address by Mr Dennis Rossmann (South African National Roads Agency) *Imperatives in sustaining sprayed sealing practice.*

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Issues raised

- Technical
 - Surface preparation
 - Flushing seals
 - Extending the sealing season
 - Can't design solely in the office
 - Question the design manuals!?
 - Heavy vehicle fleet changing
 - Early failures of SBS
 - Replacing sliding plate viscometer, etc

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Issues raised

- Knowledge
 - Skills shortage
 - Training courses do exist
 - Low interest in practical application
 - Knowledge sharing

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Issues raised

- Funding
 - After health, education and welfare, what's left for roads?
 - 'ring fencing' of funding
 - Engineers inability to influence funding
 - Our networks are insufficiently maintained

The road ahead?



Actions from the 2nd conference

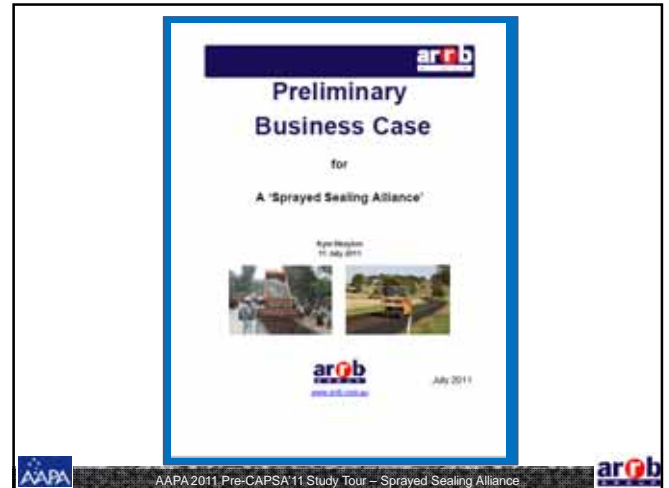
- The organising committee invited those present to meet afterwards
- 24 key representatives from New Zealand, South Africa, Australian road authorities, ARRB and AAPA attended
- Resolved: to form a southern hemisphere sprayed sealing society or association
- Aim: to coordinate resolution of sprayed sealing issues common to Australia, New Zealand and South Africa

Sprayed Sealing Alliance

A web-based professional group has now been established

What are web based groups?





Strategic areas of interest

- Engineering and technology developments
- Training and education
- Research and development
- Environmental affairs
- Occupational health and safety
- Awareness of trends in global sprayed seal markets

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Objectives

- Facilitate international communication
- Identify world best practice
- Increase international peer review

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Benefits

- Improved business competitiveness due to access to world best practices
- Reduced costs arising from failures or rework
- Extended life-cycles from assets
- Improved reputation
- Improved sustainability of skills for the sprayed sealing industry
- Better focused research outcomes due to networking between practitioners and researchers.

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Organisational structure

Membership

- Corporate
 - ARRB, CSIR, Opus, Universities
 - AAPA, SABITA, Roding New Zealand, SAT
 - AAAAAAaaahh!! @#\$%^
 - Sprayed seal contractors

Governance

- Board
- Costs?

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Discussion – your ideas?



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For more information

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SOCIETY FOR ASPHALT TECHNOLOGY
SOUTHERN REGION & CENTRAL REGION

AUSTRALIAN ASPHALT PAVEMENT EVALUATION (AAPA) PRE-CAPSA STUDY TOUR

YOU ARE INVITED TO ATTEND A TECHNOLOGY EXCHANGE SESSION

A group of the delegates from Africa are visiting the Southern Cape and Western coast to their identifying the current conditions in Africa in comparison. We'll have a series of presentations to discuss opportunities to learn and improve our road at the existing technology available. The purpose of session will be to share our experiences and learn and to learn from their experiences in Australia. Topics include:

- Surface treatments
- Sealers
- Hot bitumen emulsions
- Roadstone

We will discuss the presentation to be given:

- Road sealing in rugged terrain
- Gravel and crushed stone aggregate & control of expansion
- A practical Surface Management System from Africa
- Australian pavement design process & South African alternatives

They would like to hear from you about topics such as:

- Material control of roads and gravel - what works and what still to learn from
- Use of mineral aggregate for low/high modulus asphalt surfaces - learning from our
- Their own surface
- Use of polymer modified emulsions & sealers - sources and benefits
- Graveling of rough pavements - (SMA) - the process and the state
- Surface water - drainage and its very high demand standards
- Advice of implementation of these for road and the grade - considerable advantages with the
- Working methods and their application in the road conditions in working industry
- Roads and pavement design in the road sector in their area

We will discuss questions from their country based on your presentation and have a facilities discussion and these sessions should be available.

The dates of the presentation are as follows:

Cape Town Working Workshop (20th to 24th)	
20th	21st
22nd	23rd
24th	25th

Western Working Workshop (29th to 31st)	
29th	30th
31st	1st

There are no other dates in the study tour of the "Society for Asphalt Technology" Southern

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