

The Africa Community Access Programme

AFCAP



Introductory Remarks

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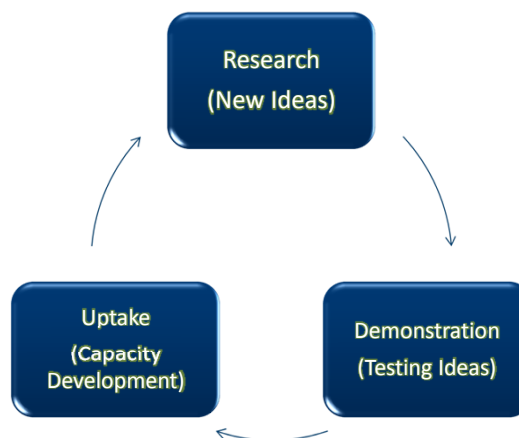
Addis Workshop on Standards and Specifications

16th to 17th July 2014

What is AFCAP?



- Knowledge and research programme for the rural transport sector in Africa.
- June 2008 to 2020.
- DFID budget £32 million (low cost high impact).
- Management contract:
 - Crown Agents for Phase 1
 - Cardno/ITT for Phase 2 .
- 15 African countries directly benefitting.



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Research- Generating Ideas

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1. **Use of non-standard materials in upper pavement layers (LVSRS)**
 - Calcrete
 - Sand
 - Laterite
2. **Alternative surfacings**
 - Cold mix asphalt
 - Otta Seals (fine quartz gravels, calcrete, weathered basalt, cinder gravel).

Through:

- Desk studies
- Laboratory testing
- Back-analysis of existing pavements
- Construction of experimental sections.

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Research- Generating Knowledge



How transport services operate in rural areas:

- For the aged
- For people needing emergency medical care
- Small farmers
- Using motorcycle taxis.



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Demonstration of Ideas



Unstabilised laterite road bases



Thin cold mix asphalt



Concrete slabs and block paving

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Uptake of Knowledge



New ideas must be brought into practice by updating design manuals, standard specifications etc.



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Web site



[http:// www.afcap.org](http://www.afcap.org)

<http://r4d.dfid.gov.uk/Output/195849/Default.aspx>



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Research Centres



AFCAP supporting development of research centres for rural transport in:

- Ethiopia
- Mozambique
- Kenya
- Tanzania
- South Sudan



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Standard Specifications for Roads and Bridges





Why are we holding this workshop?


- ERA updating Standard Specifications as part of review of 2002 documentation
- Lack of clarity on some technical issues
- Specs are more than a guideline- a legal document: important to get them right
- Minor discrepancies can have major implications on site.




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Standard Specifications for Roads and Bridges  CROWN AGENTS



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Standard Specifications for Roads and Bridges  CROWN AGENTS

Purpose of the Workshop?

- Increase awareness of discrepancies between the different approaches to road design and construction in Africa
- Reach agreement on specific issues related to the updated ERA Standard Specifications
- Strengthen cooperation between practitioners and develop of a common vision for further development of the sector.

This is part of a longer term process
Other countries will benefit if agreements can be reached.

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