

The Africa Community Access Programme

What is AFCAP?

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Accra seminar

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AFCAP

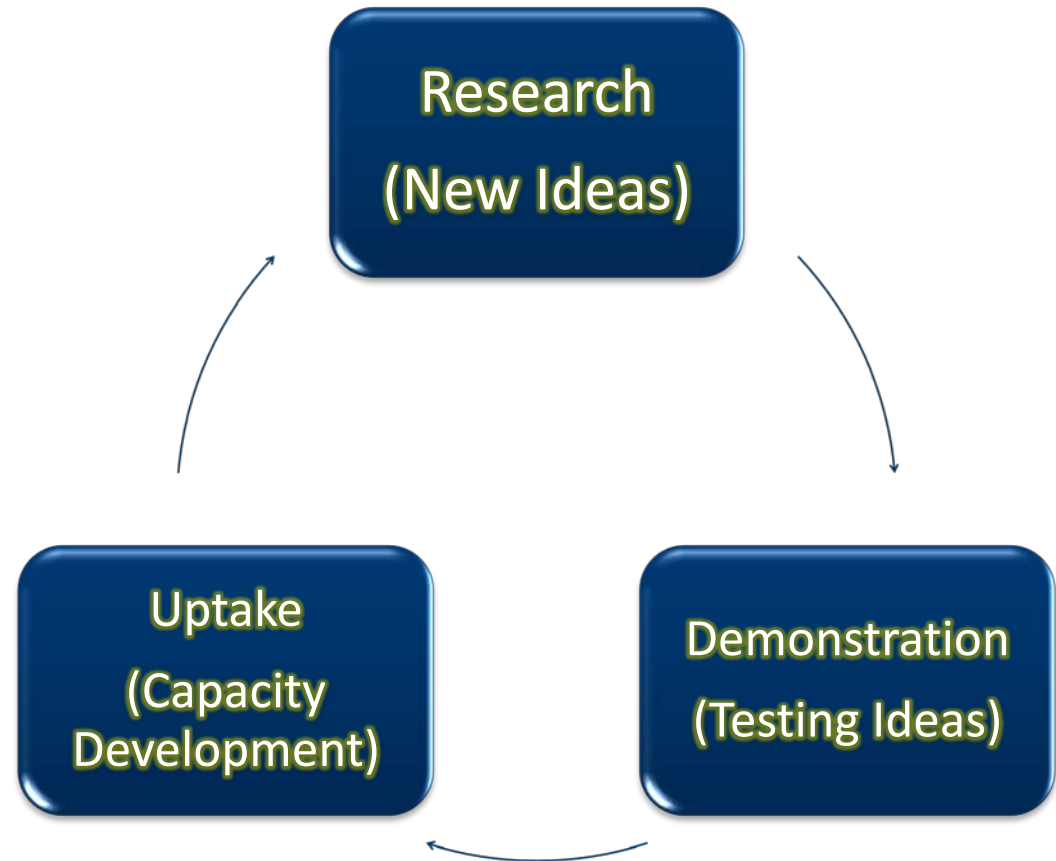


Why are we here?

- Request for the Ghana government (DFR) to partner with AFCAP for the establishment of a research centre for West Africa here in Ghana.
- AFCAP has been running for nearly 6 years: a lot to share.
- Second phase of AFCAP starting soon: new opportunity for Ghana.

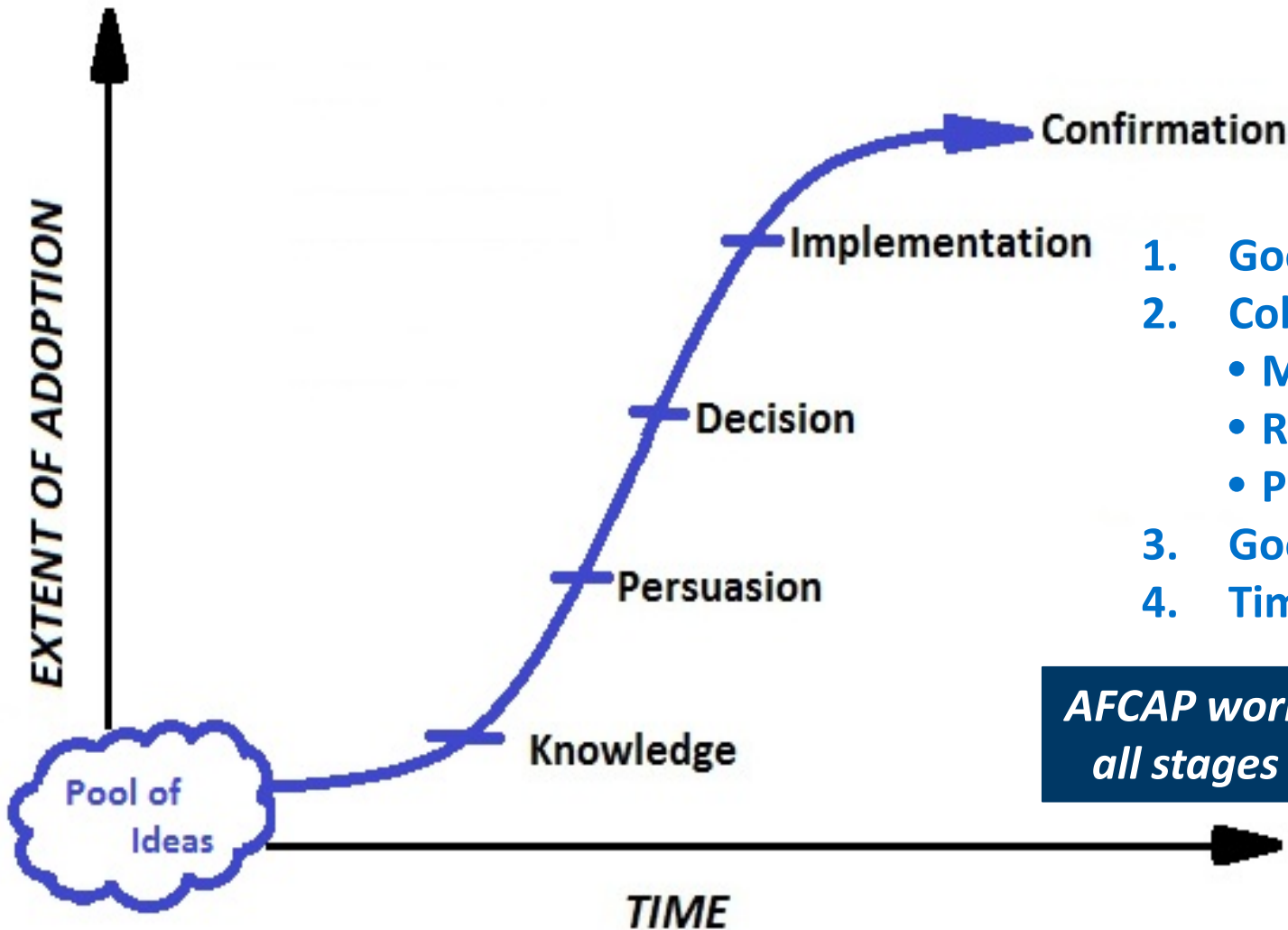
What is AFCAP?

- Knowledge and research programme for the rural transport sector in Africa.
- June 2008 to June 2014.
- 15 countries directly benefitting.
- DFID budget £14.4 million (low cost high impact).
- Crown Agents management contract.
- AFCAP 2 approved (6 yrs).



“Ideas can only be considered as innovations once they are adopted”

Uptake of Ideas



1. Good ideas
2. Cohesive user group:
 - Ministry
 - Roads authority
 - Practitioners
3. Good communications
4. Time

AFCAP works with users at all stages of the process

Research- Knowledge Generation

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.

Research- Knowledge Generation

How transport services operate in rural areas:

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



Other areas of research:

- Impact of climate change on rural access
- Road asset management systems
- Maintenance contracts for district roads (Tanzania)
- Road asset management systems (SADC)
- Cost benefit analysis of rural roads investments.

Demonstration of Best Practice



Unstabilised laterite road bases



Thin cold mix asphalt

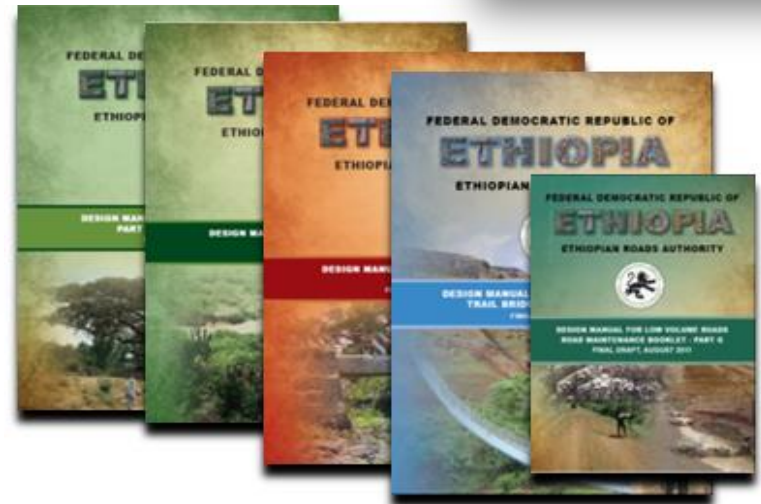
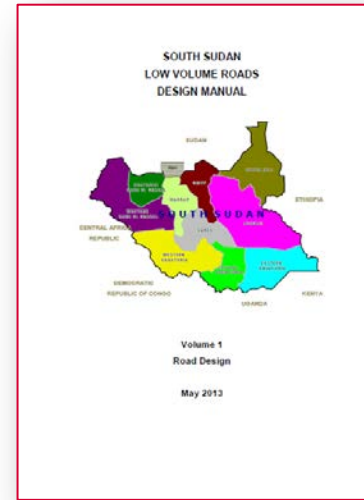


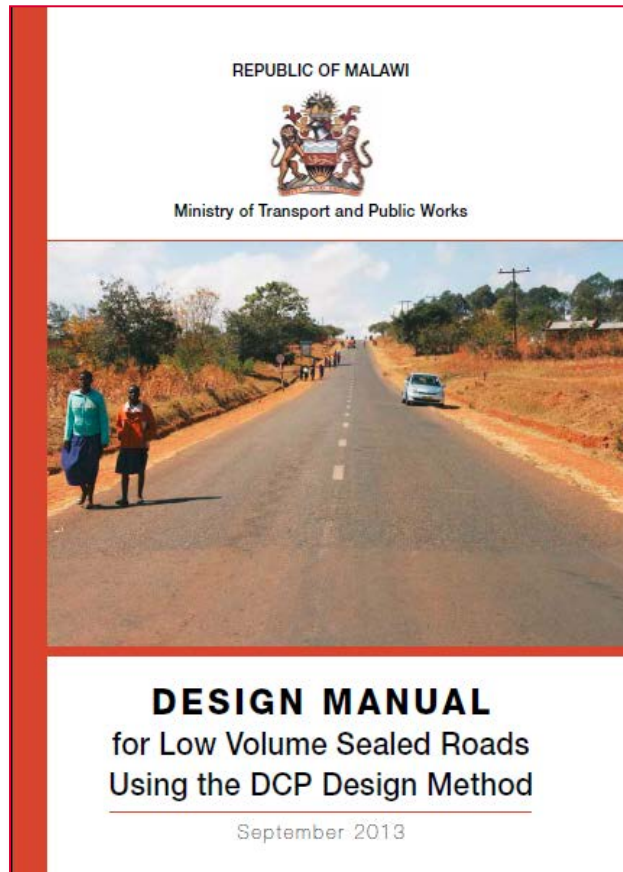
Concrete slabs and block paving



Uptake of Knowledge

New knowledge must be brought into practice by updating design manuals, Standard Specifications etc.





- Builds on pioneering work done in RSA (and Australia)
- Economical designs with reduced reliance on conventional testing
- Used for design of LVSRs in Malawi, Kenya, DRC, Tanzania
- Incorporated into new Mozambique and Tanzania Design Manuals for LVRs

AFCAP supporting development of research centres for rural transport in:

- Ethiopia
- Mozambique
- Kenya
- Tanzania
- South Sudan



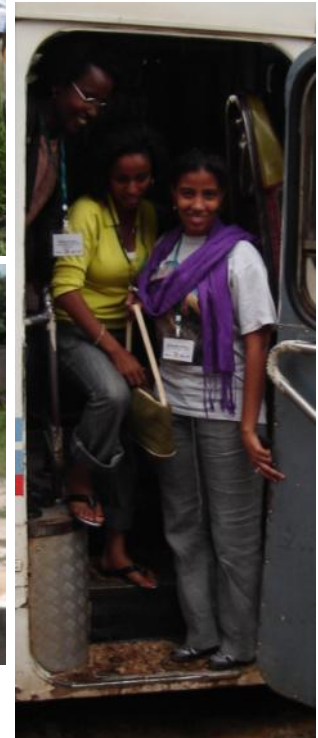
**AFCAP
Exit
Strategy**

AFCAP 2 on course to start in mid-2014

- Programme of “compiling, adapting to local conditions and conducting applied research on Low Volume Rural Roads and Transport Services”
 - Partner up to 12 African countries
 - Sister programme in South Asia (ASCAP)
 - Negotiating with preferred bidder for Management Contract
 - £17.4 million over 6 years.
-
- Competition for participation so countries need to demonstrate commitment.

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

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



Thank you