



# Open innovation in road and transport research

## Case studies in Sub-Saharan Africa



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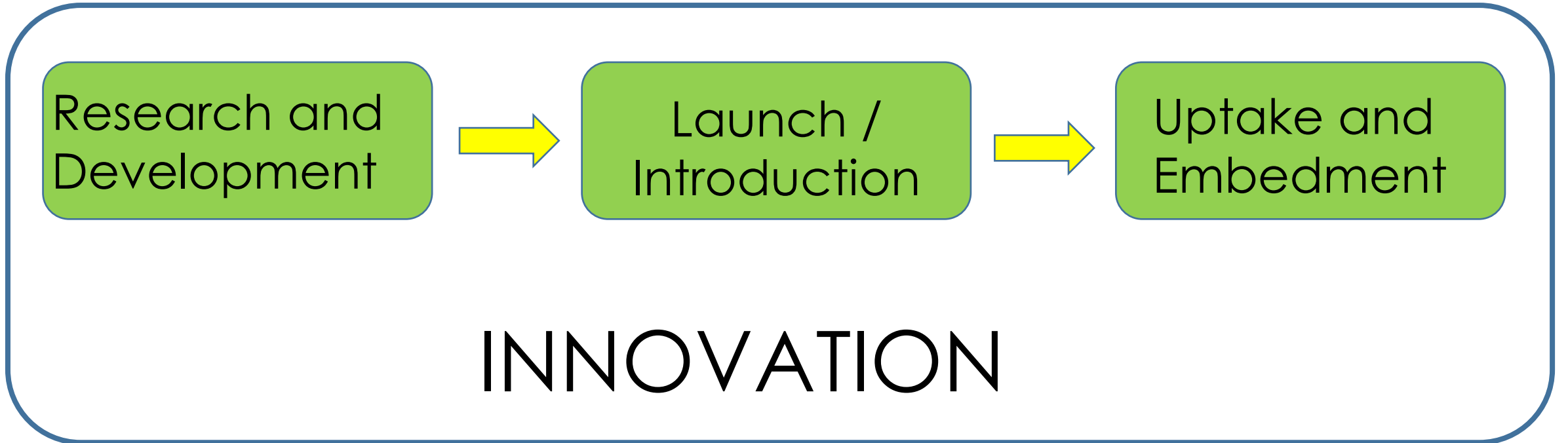


- Over 20 years experience in the transport, and water resources sectors
- Current interest is in developing transport infrastructure and services solutions that are both resilient and sustainable
- Member, International Coordinating Council (TRB)
- First Delegate of Uganda (PIARC)
- Board Member, International Road Federation (IRF) Africa

# Innovation

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Technologies/Products, Services, Processes



# Current status

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## Case studies:

- Research for Community Access Partnership (ReCAP)
- Africa Road and Transport Research Forum (ARTREF)



# RECAP

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- 6-year research programme (2014 – 2020)
- Research Focus was Rural Access
- Projects undertaken in 12 countries in Sub-Saharan Africa
  - National Projects
  - Regional Projects



# ARTREF

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- Purpose is to strengthen research linkages at national level
  - To focus on road and transport research
  - Coordinate regional research projects, technology diffusion, and capacity/skills development in Member countries
- Interest from 18 countries in Sub-Saharan Africa
- In formation since 2015, yet to take off



# Challenges to Open Innovation

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- Low prioritisation of Research and Innovation by governments
- Absence of sustained funding for Research and Innovation
- Research Agendas responsive to needs of Development Partners
- Unsatisfactory linkages between government, industry, and academia
- Absence of Partnership Framework to coordinate research (national, regional)
- Limited access to scientific publications (and knowledge)

# Opportunities for Open Innovation

## Ecosystem

African Union

Industry

National Governments

Development Partners/ Foundations

Continental Organisations, e.g. ASANRA, ARMFA



International Research Partnerships, e.g. with ECTRI

National Research Institutions

Academic Institutions

- Loose partnership with formalised relationships - SSARP



# Opportunities for Open Innovation

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## SSARP

- Coordinate research and innovation on Sustainable Mobility
  - Most countries have similar research needs
  - Help avoid duplication of research
  - Enables pooling of research resources
  - Enhance uptake and embedment
- Broker common protocols for information and knowledge exchange, to support **Open Science**

# Thank You

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