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## Demand for Services to Integrate Climate Change Considerations into African Infrastructure Planning and Design

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KFW

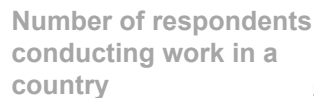
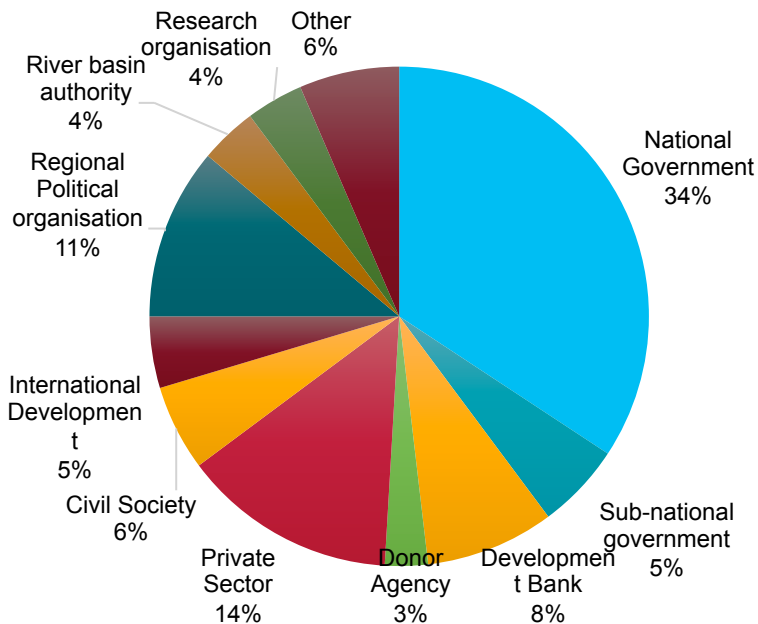


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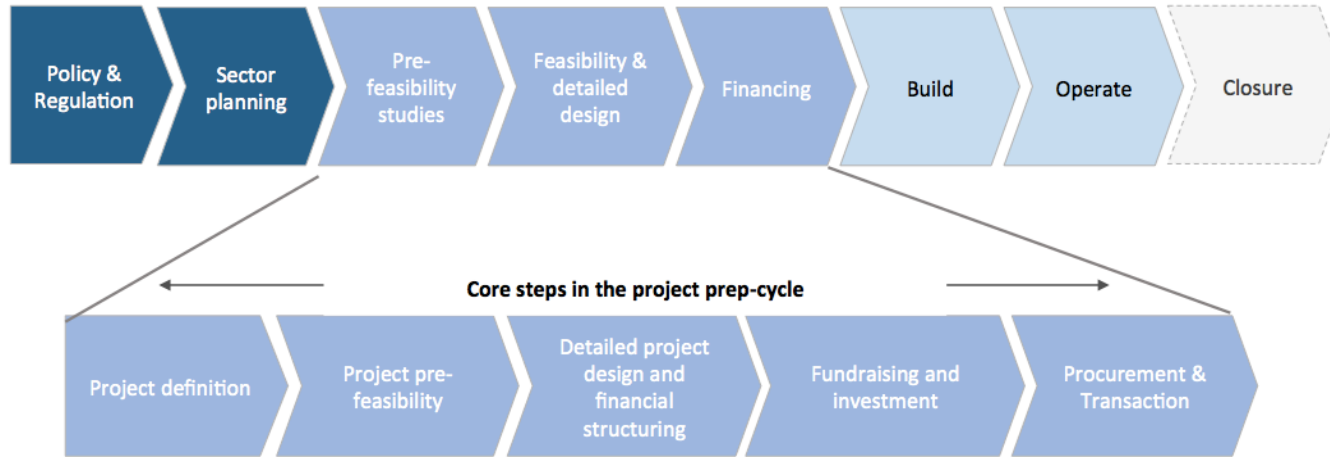
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CHANGING LIVES CHANGING WORLDS

Respondents are conducting work over most of Africa. The majority of responses came from national governments.



# CIS and the Infrastructure Value Chain



## Risk identification

Access to data and expertise to aid in delivering;

- Climate risk screening and safeguards systems
- Climate vulnerability assessments
- Strategic environmental assessment

## Spatial planning

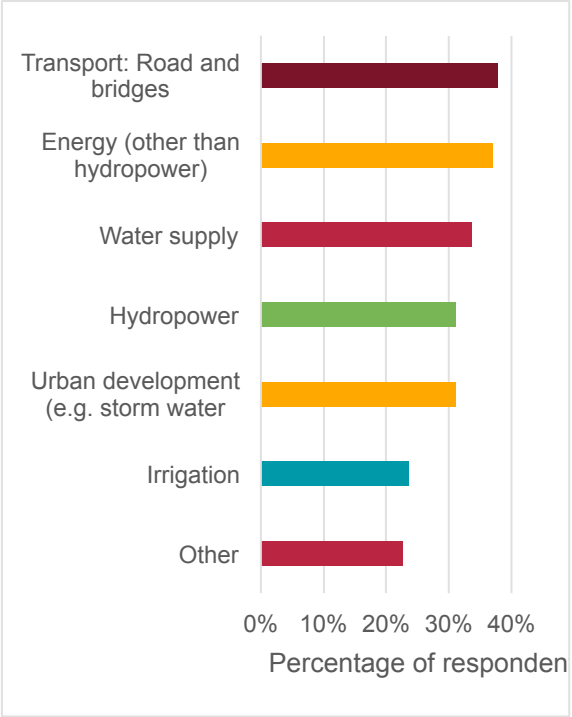
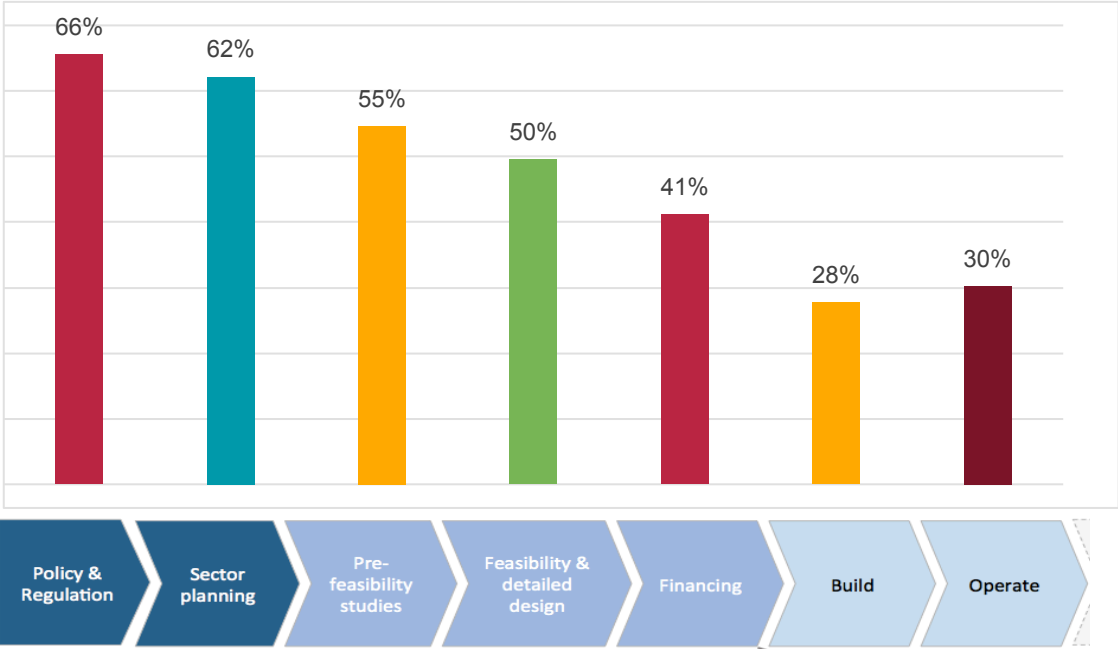
- Support to identify the vulnerability of specific sites/ optimise siting by evaluating local climate vulnerability



# 154 responses from across a range of locations, sectors and institutional types

Respondents from a wide range of sectors were gathered, presenting views across different phases of infrastructure development.

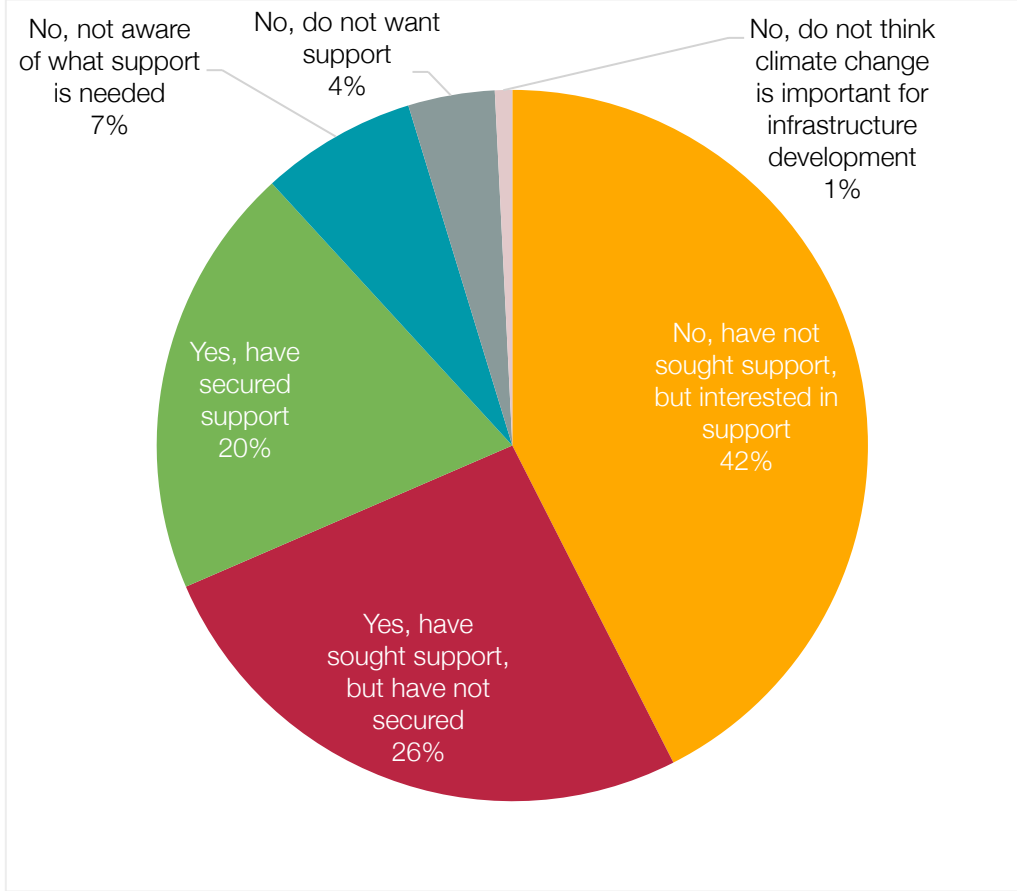
Stage of infrastructure development that respondents are working in  
% of respondents



Sector that respondents are working in  
% of respondents

# Respondents showed clear appetite for support to integrate climate considerations into infrastructure

Have you sought support to integrate climate change considerations into planning and design of infrastructure?

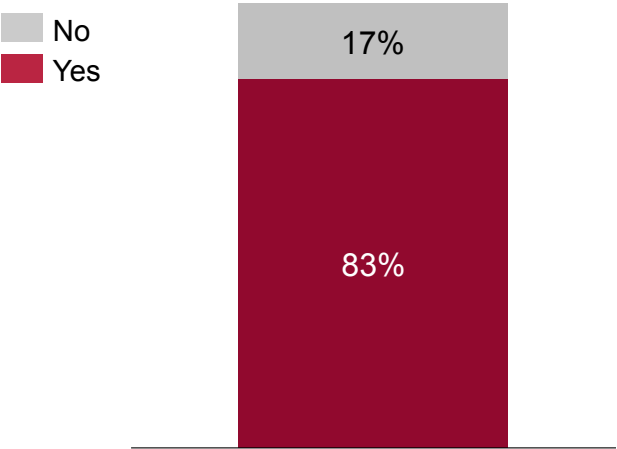


## Key observations

- 88% of respondents were interested in receiving support to integrate ICCPD services, but only 20% had secured support.
- 68% of respondents were interested or had actively sought support, but had not yet been able to secure it.
- While 7% were not aware or unable to specify what support they needed, only 4% of respondents indicated they were not interested in receiving support.
- Only 1% thought that climate change was not important.

# The overwhelming majority of respondents told us that they have actual infrastructure projects that would already benefit from ICCPD support

Survey respondents with projects that would benefit from Afri-Res support - % of total respondents

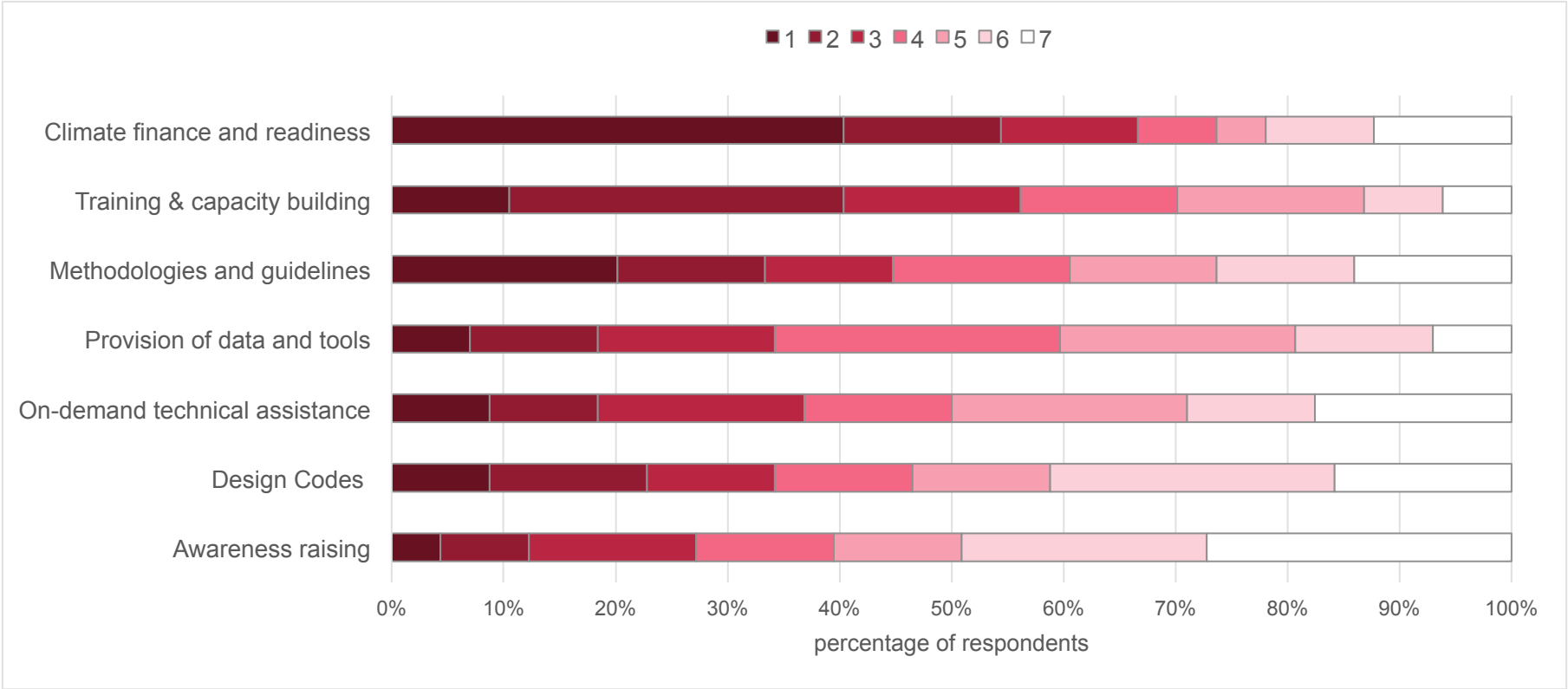


## Key observations

- 83% of respondents told us they have one or more projects that could benefit from ICCPD support
- 21 respondents provided specific detail on the size of projects that would benefit from support, the mean average size was suggested to be over \$279m
- The overwhelming majority of projects cited would be ready to receive support from as early as 2017

# When forced to rank services – climate finance, methodologies & guidelines and training and capacity development emerged as centrally important

Participants where asked to rank the desirability of services on a scale of 1 (highest) to 7 (lowest)



## Illustrative example: A development bank responds with a project-specific request

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On-demand technical advisory support coupled with capacity development to support feasibility study phase for a particular project.

**Project:** Lesotho to South Africa and Botswana Water Transfer project

**Current stage:** Feasibility study

**Earliest year support is needed:** 2017

### Details on nature of support needed

“Botswana, Lesotho and South Africa have just (Nov 2015) completed desk top reconnaissance studies, the outcomes of which are now being used to design the next phases of pre-feasibility and feasibility studies. Integrating climate resilience into this stage of studies would be beneficial...

GCM downscaling; more specific projection of climate impact in the source areas for the infrastructure; analysis and projections of cumulative future water demands within the demand areas supplied by the river system currently and in future.

Training and capacity building on interpretation of climate projection results.

Technical support on requirements for monitoring and analysis of field data etc.”



# A Few Highlevel Messages from Analysis

1. There are encouraging trends for supporting ICCPD services in Africa
2. The market for ICCPD services in Africa is big: Prioritise national governments, and Official Development Assistance
3. Awareness raising is key to establish a nascent industry for ICCPD services
4. Infrastructure Project Preparation Facilities offer key entry points for ICCPD services
5. Support for existing African climate change and environmental research and technical assistance initiatives should be prioritized as much as possible
6. Facilitate collaboration between financiers, governments, researchers, engineering firms and industry associations to operationalise novel services
7. Prioritize wider strategy and policy decisions for climate resilient development pathways over "fine tuning" of infrastructure design
8. Demand exists for a community of practice that draws together financiers, project developers and engineering and scientific experts

# Thank you

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