



Addressing climate risks in project cycle: AfDB's Climate Safeguards System

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Understanding Risk Forum
Cape Town
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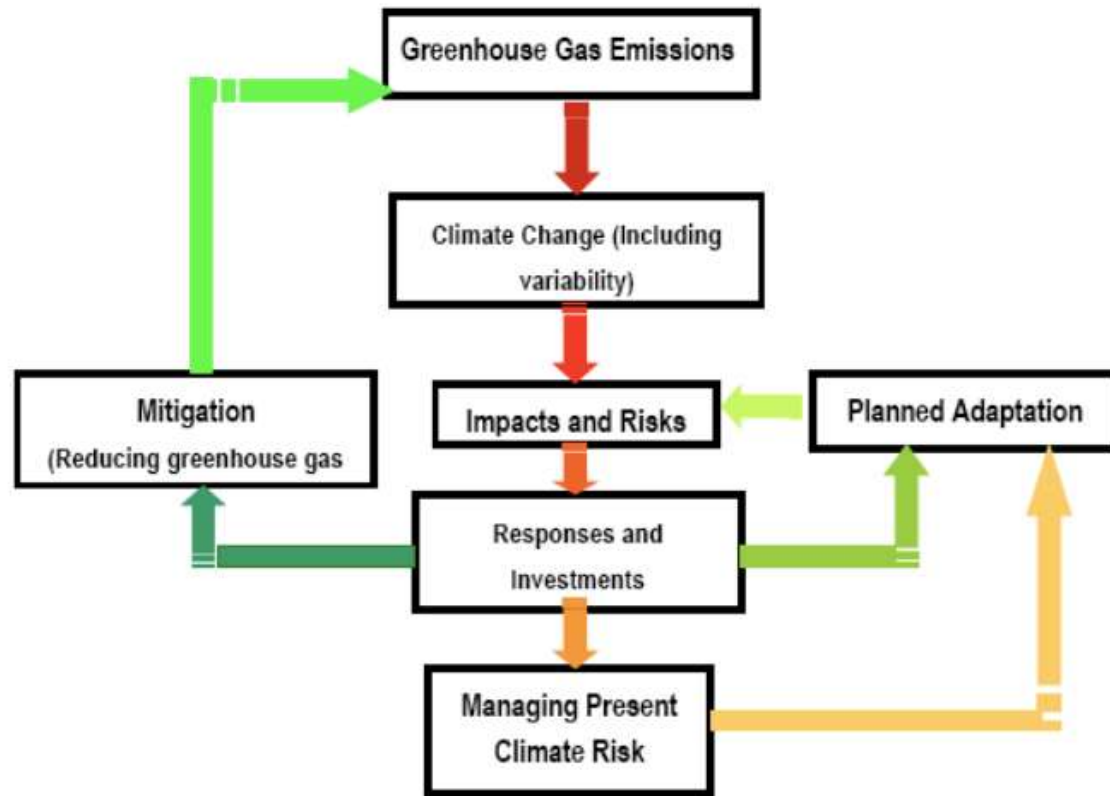
Bank's Strategic Approach

- The Bank's Medium-Term Strategy 2008-2012 identifies Climate Change as a threat to Africa's development
- The Bank aims at supporting climate-resilient development and a transition to a low carbon economy growth in Africa
- Bank's areas of intervention:
 - o Adaptation
 - o Mitigation
 - o Financing



Interventions are at policy, project and programme levels

Our Climate Risk Approach



- Adoption of Bank's strategy for Climate Risk Management and Adaptation (CRMA) in 2009 to screen projects, based on: (1) Exposure to climate risks; (2) Strategies for adaptation; and (3) Supporting knowledge & guidance.

Climate Safeguards System (CSS)

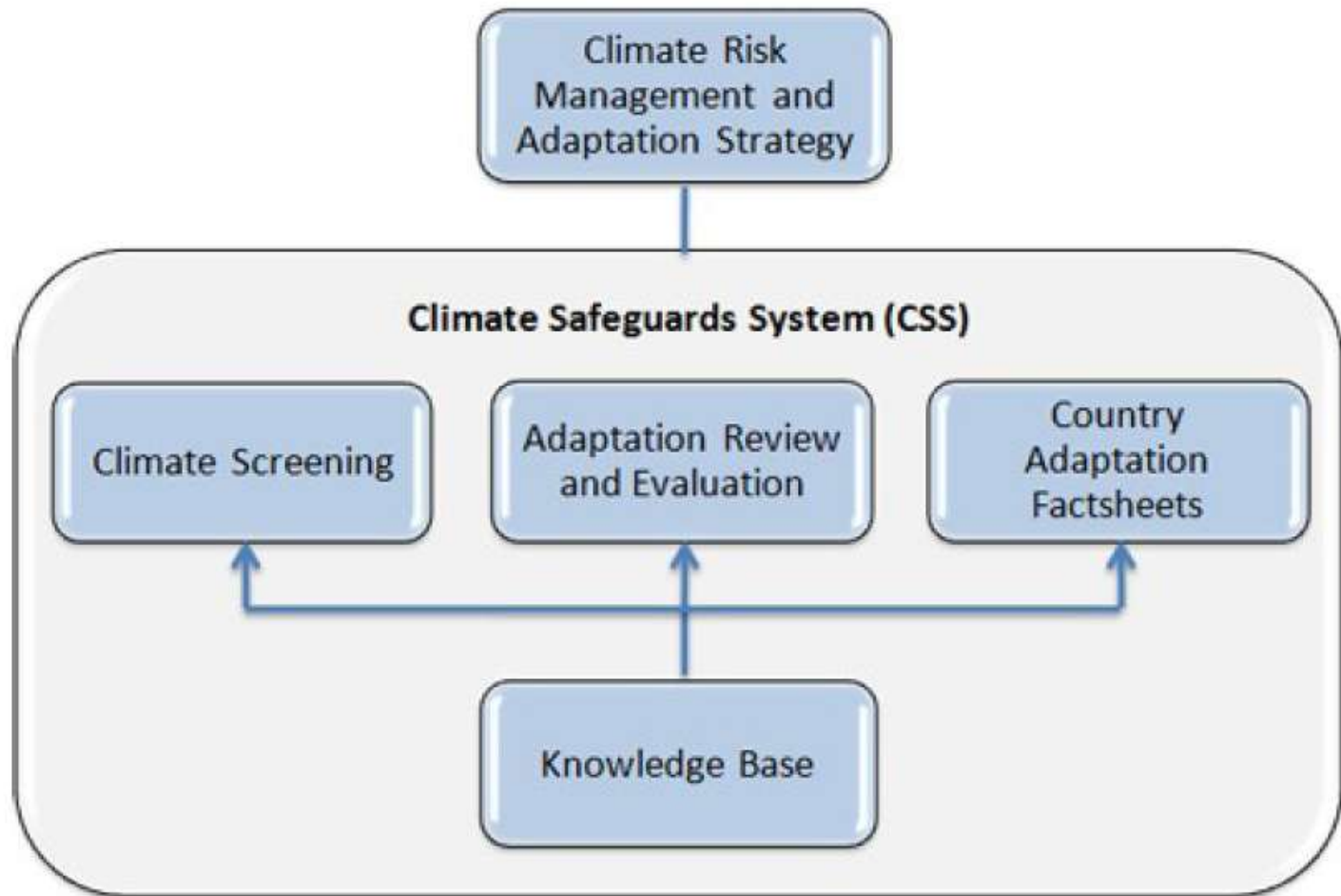
- CSS is part of the implementation of the CRMA
- CSS design is based on an assessment that showed that Bank's projects are vulnerable to climate change
- Vulnerable sectors include: Agriculture, Infrastructure; Energy; Water & Sanitation
- The objective of the CSS is to support the mainstreaming of climate risks, raise awareness and develop knowledge.



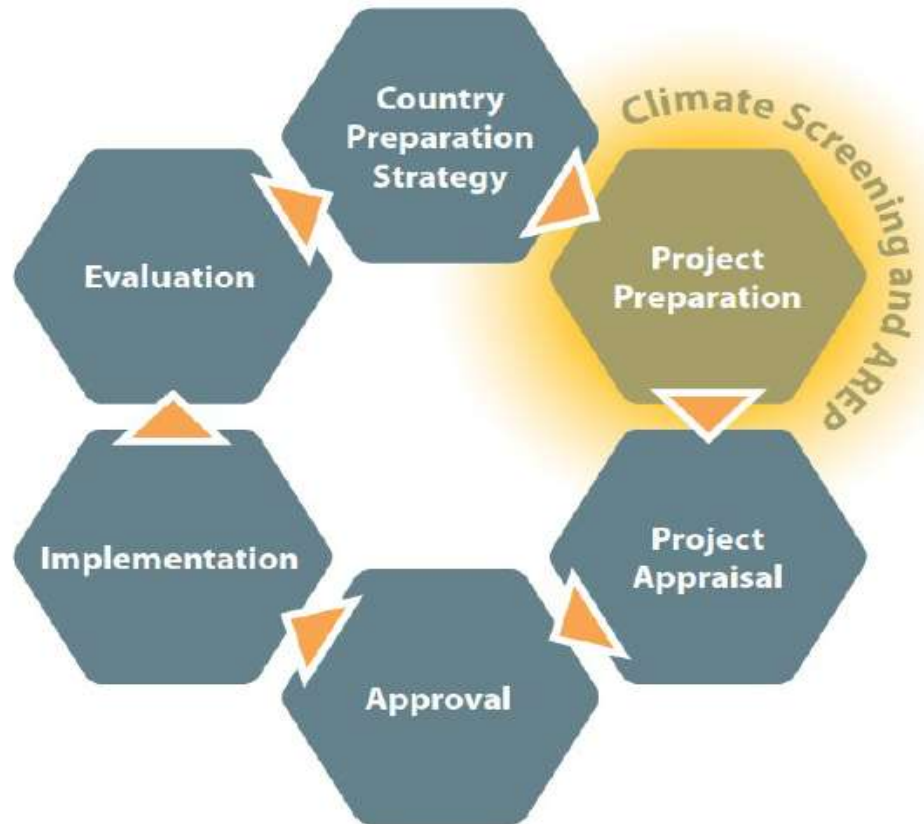
- Reducing climate vulnerability and promoting climate-resilient development in Africa



CSS components



CSS Approach



- Our Risk screening approach is based on our project cycle, targeting early stage of project preparation

Climate screening

- **Climate Screening** tool follows 5 steps:

For a project concept:

Step 1	Select scorecard(s)
Step 2	Enter basic project information
Step 3	Select answer options to questions
Step 4	Add up scores and categorise
Step 5	Enclose screening results to the PCN

Categorization

- 3 categories

Category 1

Projects may be very vulnerable to climate risk. Requires a detailed evaluation of climate change risks and adaptation measures. Comprehensive, practical risk management and adaptation measures should be integrated into the project design and implementation plans.

Category 2

Projects may be vulnerable to climate risk. Requires a review of climate change risks and adaptation measures. Practical risk management and adaptation options should be integrated into the project design and implementation plans.


Category 3


Projects are not vulnerable to climate risk. A voluntary consideration of low cost risk management and adaptation measures is recommended, but no further action is required.

Climate screening (1)

- Select score sector cards

English | Français Home

Climate Safeguard System Logout 

Logged in as tmanager 

Screening Tool **AREP Tool**

[Add New Project](#) | [List of Projects](#)

Step1: Select Scorecard → Step2: Enter basic information → Step3: Select Options → Step4: Add Scores & Categorize → Step5: Review Outcome → Step6: Export Summary

Scorecard: **Agriculture - Cropping and Irrigation**
Project Title:

Available Scorecards

- Transport - Roads
- Energy - hydroelectric generation only
- Agriculture - livestock
- Water
- Energy - excluding hydroelectric generation

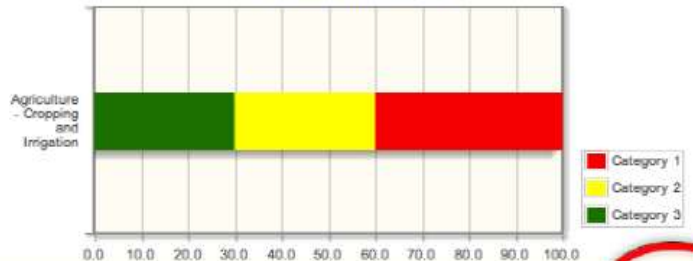
→

←

Selected Scorecards

Agriculture - Cropping and Irrigation

Category thresholds



0.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0



- Category 1
- Category 2
- Category 3

Next

Climate screening (2)

- Enter basic project information

English | Français Home

Logout 
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Climate Safeguard System

Screening Tool **AREP Tool**

[Add New Project](#) | [List of Projects](#)

Step1: Select Scorecard → Step2: Enter basic information → Step3: Select Options → Step4: Add Scores & Categorize → Step5: Review Outcome → Step6: Export Summary

Scorecard: Agriculture - Cropping and Irrigation
Project Title: Project title

Project saved successfully.


Project title (Ref) <input type="text" value="Project title"/>	Project Activities <input type="text" value="Activity 1
Activity 2
Activity 3"/>
Project Code(SAP) <input type="text" value="Code"/>	Task Manager <input type="text" value="TM1"/>
Sector <input type="text" value="Agriculture"/>	Officer Responsible for Screening <input type="text" value="TM1"/>
Location <input type="text" value="Africa"/>	Division <input type="text" value="Division"/>
Start date <input type="text" value="11/08/2012"/>	Screening date <input type="text" value="11/08/2012"/>
Duration <input type="text" value="36 months"/>	


[Previous](#) [Save](#) Project saved successfully. [Next](#)



Climate screening (3)

- Select answers and options



Climate Safeguard System Logout  Logged in as manager

Screening Tool **AREP Tool**

[Add New Project](#) | [List of Projects](#)

Step1: Select Scorecard → Step2: Enter basic information → **Step3: Select Options** → Step4: Add Scores & Categorize → Step5: Review Outcome → Step6: Export Summary

Scorecard: **Agriculture - Cropping and Irrigation**
Project Title: Project title

Question 1 and Options **Topic : Water resource availability for Irrigation**

Rationale:
Agriculture in Africa is already under pressure from growing populations, industrialisation and environmental degradation. Climate change is expected to exacerbate and add to these problems. Changes in rainfall variability and increased evaporation will directly impact rainfed agriculture and reduce water availability for irrigation. Irrigation activities located in areas where sustained dry seasons and high evaporation occurs have the highest scores.

Is the project located in an area where water is sufficient to sustain the project activities?

Option Description	Score
<input type="radio"/> Water resource availability for irrigation is not relevant for the project	0
<input type="radio"/> Irrigation activities are planned in an area where rainfall exceeds evaporation throughout the year	10
<input type="radio"/> Irrigation activities are planned in an area with seasonal or variable rainfall distribution with medium to high evaporation	15
<input type="radio"/> Irrigation activities are planned in an area where sustained dry season with no rainfall and high evaporation occur	20

Justification

Climate screening (4)

- Add up scores and categorize

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Screening Tool **AREP Tool**

[Add New Project](#) | [List of Projects](#)

Step1: Select Scorecard → Step2: Enter basic information → Step3: Select Options → **Step4: Add Scores & Categorize** → Step5: Review Outcome → Step6: Export Summary

Scorecard: **Agriculture - Cropping and Irrigation**
Project Title: **Project title**

The table below presents the scores for the selected options. The scores are summed up to obtain a total score. The total score cannot exceed 100.

Topic	Selected Option	Score
Water resource availability for irrigation	Water resource availability for irrigation is not relevant for the project	0
Soil erosion	The project activities are not expected to increase soil erosion	5
Impact of severe weather conditions on project activities	The project is planned in an area with no known history of droughts or floods	10
Physical infrastructures	The project includes building terraces for irrigation	10
Building capacity in agriculture	The project includes technical skill training in agriculture / natural resource monitoring	7
Cropping and Irrigation technologies and systems	The project plans entirely new irrigation and cropping systems	10
Total Score		42

Project Category

Category 1 (Score above 60.0)
 Category 2 (Score between 30.0 and 60.0)
 Category 3 (Score below 30.0)

Category thresholds



■ Category 1
■ Category 2
■ Category 3

Comments

Your scores total is 42, which would classify the project as Category "Category 2". Do you feel there are other factors that would warrant a higher score and promote the project to a category that requires additional adaptation actions?

Note: If you click the yes box below, then just click on the "next" button below to access the next screen, where you will be able to enter the additional score and the information justifying your choice.

Yes
 No

Previous **Save** **Next**

Climate screening (5)

- Incorporate results in the Project Concept Note

English | Français Home

Logout 
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Climate Safeguard System

Screening Tool **AREP Tool**

[Add New Project](#) | [List of Projects](#)

Step1: Select Scorecard → Step2: Enter basic information → Step3: Select Options → Step4: Add Scores & Categorize → Step5: Review Outcome → Step6: Export Summary

Scorecard: Agriculture - Cropping and Irrigation

Project Title: Project title

The table below presents the categorization for the project.

<input type="radio"/> Category 1	Projects may be very vulnerable to climate risk. Requires a detailed evaluation of climate change risks and adaptation measures. Comprehensive risk management and adaptation measures should be integrated into the project design and implementation plans.
<input checked="" type="radio"/> Category 2	Projects may be vulnerable to climate risk. Requires a review of climate change risks and adaptation measures. Practical risk management and adaptation options should be integrated into the project design and implementation plans.
<input type="radio"/> Category 3	Projects are not vulnerable to climate risk. A voluntary consideration of low cost risk management and adaptation measures is recommended, but no further action is required.

Scorecard: Agriculture - Cropping and Irrigation

The table below presents the scores for the selected options. The scores are summed up to obtain a total score. The total score cannot exceed 100.

Topic	Selected Option	Score
Water resource availability for irrigation	Water resource availability for irrigation is not relevant for the project	0
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Physical infrastructures	The project includes building terraces for irrigation	10
Building capacity in agriculture	The project includes technical skill training in agriculture / natural resource monitoring	7
Cropping and irrigation technologies and systems	The project plans entirely new irrigation and cropping systems	10
Total Score		42

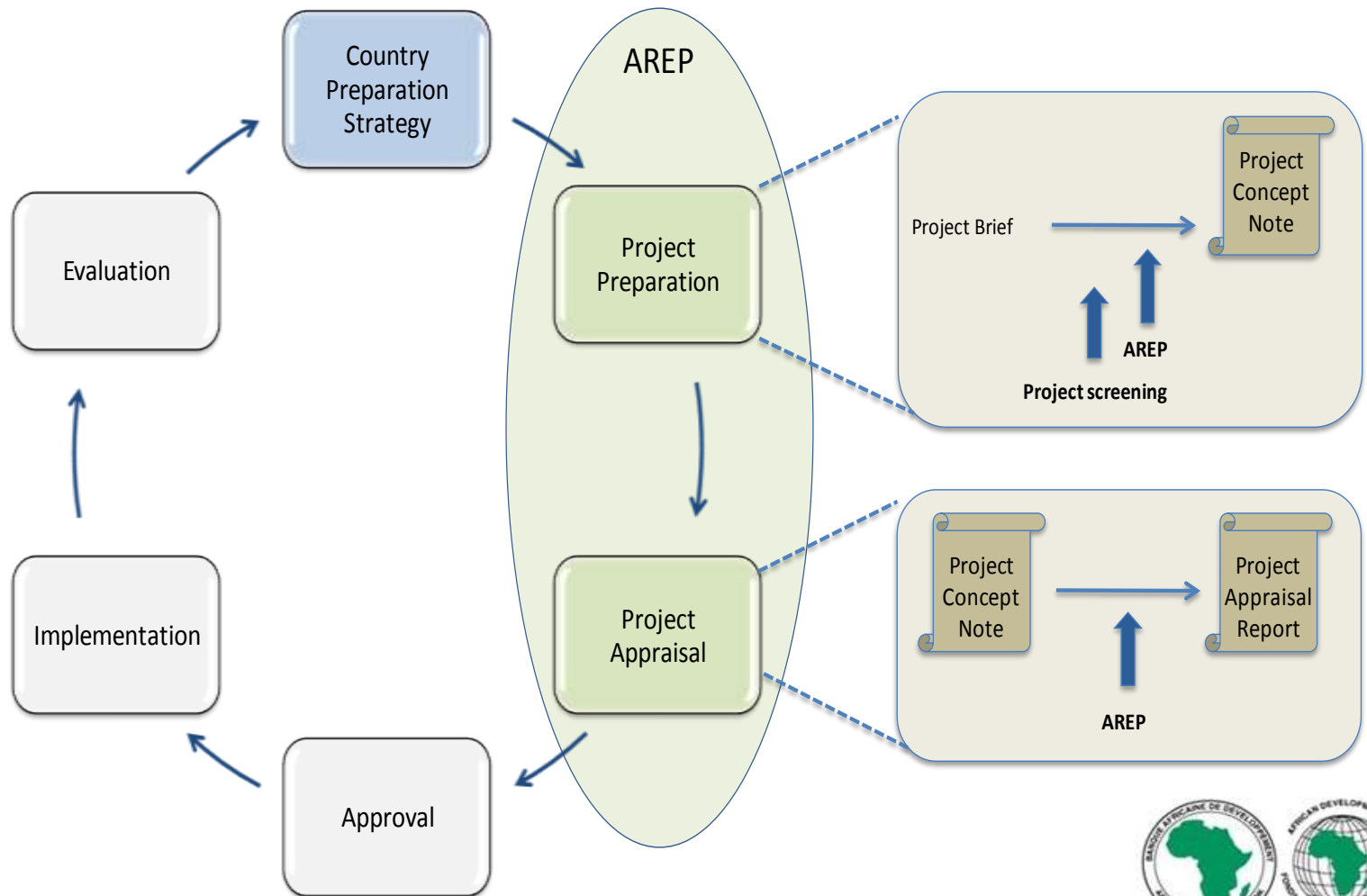
Summary

Projects may be vulnerable to climate risk. Requires a review of climate change risks and adaptation measures. Practical risk management and adaptation options should be integrated into the project design and implementation plans.

[Previous](#) [Export](#) [Save](#) [Print](#)

Adaptation Planning

- Once projects are categorized, we proceed with adaptation planning to address vulnerability, through the **Adaptation Review and Evaluation Procedures (AREP)**



Adaptation Planning for Category 3 projects

For a Category 3 concept:

Step 1 Select adaptation purpose and components

Step 2 Select adaptation activities (optional)

Step 3 Produce outputs for the PCN

Key outputs for Project Concept Note:

- ❑ Completed Adaptation Purpose and component template
- ❑ Adaptation Review Summary, with list of components
- ❑ Adjusted Project Results-based Logical Framework

Adaptation Planning for Category 2 projects

For a Category 2 concept:

Step 1	Select adaptation purpose and components
Step 2	Select adaptation activities
Step 3	Supplement adaptation activities
Step 4	Produce outputs for the PCN

Key outputs for Project Concept Note:

- ❑ Completed Adaptation purpose and component template
- ❑ Completed adaptation activities template(s)
- ❑ Adaptation Review Summary, with list of components and activities
- ❑ Adjusted Project Results-based Logical Framework

Adaptation Planning (Category 1)

For a Category 1 concept:

- | | |
|---------------|---|
| Step 1 | Select adaptation purpose and components |
| Step 2 | Select adaptation activities (optional) |
| Step 3 | Prepare terms of reference for further evaluation |
| Step 4 | Produce outputs for the PCN |
| Step 5 | Commission an expert study |
| Step 6 | Produce Adaptation Evaluation Report and summary |
| Step 7 | Determine project viability |
| Step 8 | Produce final outputs for project planning |

Adaptation Planning(Category 1 - Suite)

Key outputs for Project Concept Note :

- ❑ Completed Adaptation purpose and component template
- ❑ *Optional*: Completed adaptation activities template(s)
- ❑ Terms of Reference for Climate Change Experts

For addition to the CSS knowledge base :

- ❑ Adaptation Evaluation Report and Summary

To be added in the internal recommendation report:

- ❑ Internal recommendations;
- ❑ Adaptation Evaluation Report and its Summary;
- ❑ Adjusted Results-based Project Logical Framework

Adaptation Planning – online

English | Français

Home

Climate Safeguard System



Logout

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Quick Links

▶ Overview

▶ Climate Screening

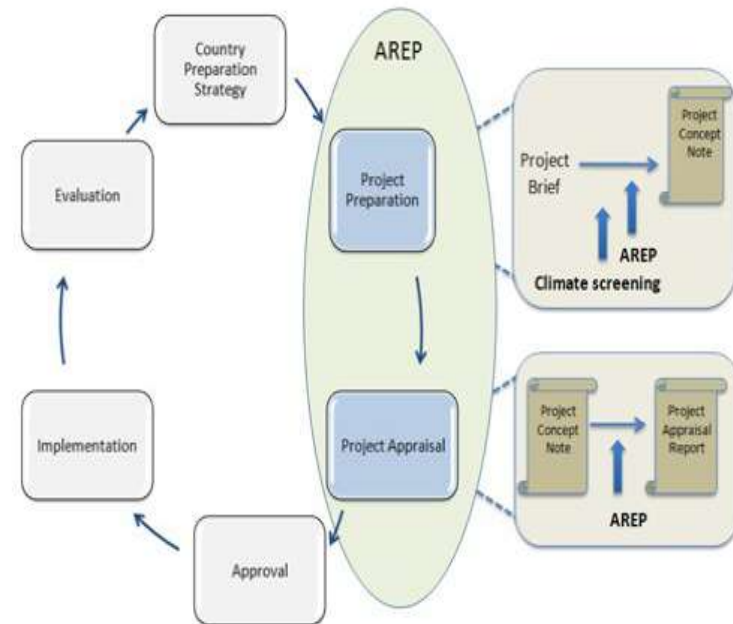
▼ Adaptation Review and Evaluation

The Adaptation Review and Evaluation Process (AREP) is used to identify appropriate and cost-effective adaptation measures for a project. AREP cannot be applied until a project has been categorised through the Climate Screening process. This categorisation determines the scope of the adaptation measures identified. AREP ensures that adaptation measures are identified and factored into a project at an early stage in the project cycle. [Click Here](#)

▶ Country Adaptation Factsheets

▶ CSS Information Base

AREP in the Project Cycle



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Adaptation Planning – online (1)

- To start

English | Français Home

Climate Safeguard System Logout Logged in as manager

Screening Tool AREP Tool

List of Projects

Step 1: Select all components

Info Requirements & Hotlinks

IMPORTANT

During the following steps, you will need access to:

- The Climate Screening Summary for the project
- The Climate Information Portal, showing climate projections

This, and other information is available via the "Hotlinks" on the right hand side on all the pages. Clicking on those links will open a separate window in your browser.

You will also need access to:

- A draft Project Concept Note(PCN)
- A draft Results Based Logical Framework (RLF), if not already in the PCN

If these documents are not yet available, it is still possible to continue. However, do not proceed unless you have a good understanding of the project concept.

Project: Code

Officer Respon

Select Adaptat

The table below each purpose. Applying the filter all components.

Purposes & C

- ▶ MANAGE PROJECT
- ▶ IMPROVE INSTITUTIONS
- ▶ MANAGE FINANCIAL RISKS
- ▶ PROTECT ENVIRONMENTAL SERVICES
- ▶ ASSIST LOCAL COMMUNITIES

Save Next


- Enter Username and Password




Adaptation Planning– Online (2)

- Select adaptation purpose and components

English | Français Home

Climate Safeguard System Logout 

Logged in as tmanager 

Screening Tool **AREP Tool**

List of Projects

Step 1: Select adaptation purpose & components Step 2: Select adaptation activities Step 3: Supplement adaptation activities Step 4: Produce Outputs for the PCN

Project : Code

Officer Responsible for AREP :

Select Adaptation Purposes & Components

The table below shows a list of adaptation purposes that are relevant to your project. Click on the arrow to show the list of components under each purpose. Components that need your attention are shown in red. You must apply the filters to each component. Once you have finished applying the filters, the component will turn grey if it is not relevant, or black if it is relevant. You will not be able to move to the next step until all components have been filtered.



Purposes & Components	Filters
<ul style="list-style-type: none">▶ MANAGE CLIMATE RISK BY IMPROVED DESIGN OF KEY PROJECT ASSETS▶ IMPROVE KEY INSTITUTIONS▶ MANAGE FINANCIAL RISKS▶ PROTECT ENVIRONMENTAL SERVICES▶ ASSIST LOCAL COMMUNITIES	

Save **Next**

Adaptation Planning– Online (3)

- Select adaptation activities

English | Français Home

Climate Safeguard System Logout 
Logged in as tmanager 

Screening Tool **AREP Tool**


[List of Projects](#)

Step 1: Select adaptation purpose & components → Step 2: Select adaptation activities → Step 3: Supplement adaptation activities → Step 4: Produce Outputs for the PCN

Project : Code

The table below shows a list of adaptation components that are relevant to your project. Click on the arrow to show the list of activities under each component. Activities that need your attention are shown in red. You must apply the filters to each activity. Once you have finished applying the filters, the activity will turn grey if it is not relevant, or black if it is relevant. You will not be able to move to the next step until all activities have been filtered.

Note that you will be asked to provide information on stakeholders, beneficiaries and cost for each activity selected. This may require some additional investigation.

Components & Activities	Filters
 Increase contingency budgets	

Project Information
Climate Screening Outputs
Climate Information Portal

Review the activities you have selected. Are there any gaps? Can you think of any additional activities that would benefit the project?

Yes
 No

Previous Save Save as Template Next



Adaptation Planning– Online (4)

- Supplement adaptation activities

The screenshot shows the 'Climate Safeguard System' web application. At the top, there are language options for 'English' and 'Français', and a 'Home' link. The user is logged in as 'tmanager'. The main navigation bar includes 'Screening Tool' and 'AREP Tool'. Below this is a 'List of Projects' section. A process flow diagram shows four steps: Step 1 (Select adaptation purpose & components), Step 2 (Select adaptation activities), Step 3 (Supplement adaptation activities - currently active), and Step 4 (Produce Outputs for the PCN). The main content area is titled 'Project : Code' and 'Supplement adaptation activities'. It features a table with columns for 'S.No', 'Activity', 'Select Component', and 'Select Scorecard'. To the right of the table is a sidebar with buttons for 'Project Information', 'Climate Screening Outputs', and 'Climate Information Portal'. At the bottom of the main content area are 'Add Activity' and 'Delete Activity' buttons. The overall interface is green and orange.

English | Français Home

Climate Safeguard System Logout Logged in as tmanager

Screening Tool AREP Tool

List of Projects

Step 1: Select adaptation purpose & components Step 2: Select adaptation activities Step 3: Supplement adaptation activities Step 4: Produce Outputs for the PCN

Project : Code

Supplement adaptation activities

S.No	Activity	Select Component	Select Scorecard
------	----------	------------------	------------------

Project Information
Climate Screening Outputs
Climate Information Portal

Add Activity Delete Activity

Previous Save Next

Adaptation Planning– Online (5)

- Outputs for the Project Concept Note

The screenshot displays the 'Climate Safeguard System' interface. At the top, it shows the user is logged in as 'manager'. Below this, there are tabs for 'Screening Tool' and 'AREP Tool'. A progress bar indicates four steps: Step 1 (Select adaptation purpose & components), Step 2 (Select adaptation activities), Step 3 (Supplement adaptation activities), and Step 4 (Produce Outputs for the PCN). The main content area is titled 'Project : Code' and contains an 'Adaptation Review Summary of selected adaptation components and activities'. This summary includes a text box for the user's input and a table with the following data:

Adaptation Components	Adaptation Activities	Lead Stakeholder	Beneficiaries	Indicative Cost (US\$)
Increase contingency budgets	Preparation and implementation, where necessary, of a compensatory plan for adversely affected socio-economic groups	Stakeholder	Beneficiaries	£12345

Below the table is a 'Recommendations:' section with a text box. On the right side, there is a sidebar with three buttons: 'Project Information', 'Climate Screening Outputs', and 'Climate Information Portal'. At the bottom of the interface, there are buttons for 'Previous', 'Save', 'Export', and 'Next'.



- Summary of the Adaptation Plan



Adaptation Planning– Online (6)

- Adjust the Project Results-based Logical Framework

Climate Safeguard System


Logout 
Logged in as manager

Screening Tool
AREP Tool

List of Projects

Step 1: Select adaptation purpose & components

Step 2: Select adaptation activities

Step 3: Supplement adaptation activities

Step 4: Produce Outputs for the PCN

Project : Code

This page contains guidance for modification of the project Results-Based Logical Framework (RLF), based on your previous findings. No data entry is required.

Please export this guidance so that you have a record of the changes that should be made to the RLF. **These changes should be made before the Project Concept Note is submitted.**

	RESULTS CHAIN	PERFORMANCE INDICATORS			MEANS OF VERIFICATION	RISKS/MITIGATION MEASURES
		Indicator	Baseline	Target		
IMPACT	Unchanged	Unchanged	Unchanged	Unchanged	Unchanged	Unchanged
OUTCOMES	Unchanged	Unchanged	Unchanged	Unchanged	Unchanged	Add the following climate change risks, which have been identified for this project: Add the following risk mitigation measures, which should be applied to this project: increase contingency budgets
OUTPUTS	Add adaptation outputs that will be produced by adaptation components	Add indicator that relates to additional adaptation output	Unchanged Note: the baseline case is "no adaptation"	Add target that relates to adaptation indicator	Add MoV that relates to adaptation stakeholders identified	Unchanged

Project Information

Climate Screening Outputs

Climate information Portal

Integrating the Adaptation Plan in RBLF



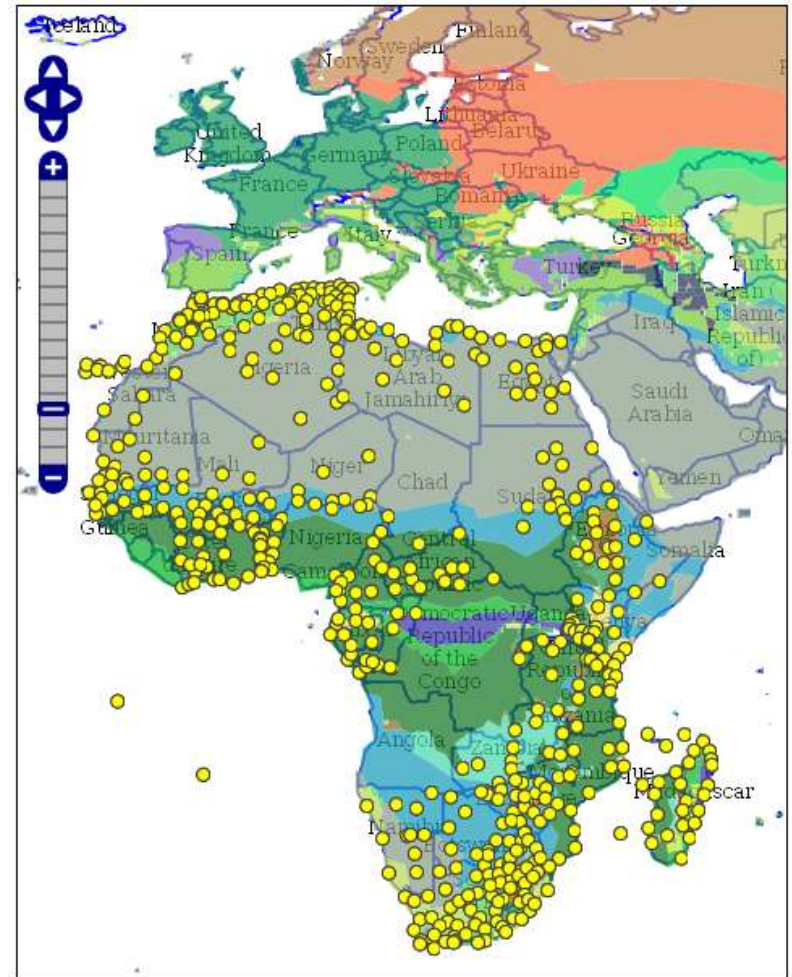
Country Adaptation Factsheets

- The factsheets can be produced at any time and are independent of the processes described above
- They are based on a template into which up-to-date information on climate projections and country indicators can be imported from various sources;
- They help country economists and teams to better incorporate climate issues in the design of Country Strategy Papers (CSPs)



Knowledge base

- Agro ecological zones
- Climate envelopes
- Country information
- Relevant documents
- Links to other resources



Conclusion

- The CSS brings additional analysis on climate risks, aiming at increasing the consideration of climate change in Bank's projects
- Climate Risk Screening Manual and Adaptation Manual are available in soft and hard copies
- A Booklet summarizing the two manuals is also available
- The overall online tool is being piloted to selected Bank's projects, before being fully operational for Bank-wide interventions and other projects in Africa
- CSS Link:
- <http://72.26.119.91:8080/GCAP-CSS/afdbhomepage.html;jsessionid=E3E362D500C7567533667683896C9795>





Thank you

E-mail: climatechange@afdb.org

Website: www.afdb.org

