



Guidance for applicants in the fourth cycle

December 2015

www.irena.org/adfd

Clarify:

- ✓ type of projects selected
- ✓ selection criteria and process
- ✓ connecting to the IRENA
Sustainable Energy Marketplace

Target group:

- applicant countries and partners
- experts and funds

Projects selected

Cuba
10 MW Solar
(on-grid)
USD 15 m

**St. Vincent and the
Grenadines**
15 MW Geothermal
(on-grid)
USD 15 m

Ecuador
4MW Hydro (mini-grid)
USD 5 m

Argentina
3 MW Hydro (mini-grid)
USD 15 m

Mauritania
1 MW Wind (mini-grid)
USD 5 m

1 MW Hybrid (Solar, wind, hydro) mini-grid
USD 6 m

Mali
4 MW Solar PV
diesel (mini-grid)
USD 9 m

Sierra Leone
6 MW Solar (on-grid)
USD 9 m

Iran
5 MW Geothermal
(mini-grid)
USD 6 m

Samoa
3 MW Bio-energy
(on-grid)
USD 7 m

Maldives
1 MW Waste to energy
(on-grid)
USD 6 m

First and second cycle projects = USD 98 million loans, USD 146 million co-finance

ADFD funding available

Overall

USD 50 million
in each cycle.

Amount of loan

- **USD 5-15 million** ADFD loans for each project.
- **Up to 50%** of project costs covered by ADFD loans.
- Rest co-financed.

Loan rates

- **1-2% interest rates.**
- 20 year loan period including 5 year grace period.

Example 1: solar PV (Mali)

Project: Mali solar PV diesel mini-grid

Size: 4 megawatt, USD 9 million loan

Technology: solar PV diesel mini-grid

Energy access: 30 villages

(92,000 people, 11,400 connections)

Applicant organisation: rural electrification agency, AMADER.

Others: Mali Folk Centre, Government of Mali

- ✓ **Powering small business of women**, reducing energy costs.
- ✓ **Generating 2,078 jobs (120 direct jobs and 1,958 indirect jobs).**
- ✓ **Emission reductions: 5,258.2 tCO₂ per year.**

Co-financing and replication

- Co-financing from government, development funds including the Arab Bank for Economic Development in Africa (BADEA).
- Project model being supported by the World Bank in 50 villages and the French development agency (AFD) in 60 villages.



Example 2: small hydro (Ecuador)

Project: Small Hydroelectric Plant,
Tigreurco Small Community

Size: 3.4 megawatt, USD 5 million loan

Technology: mini-hydro power

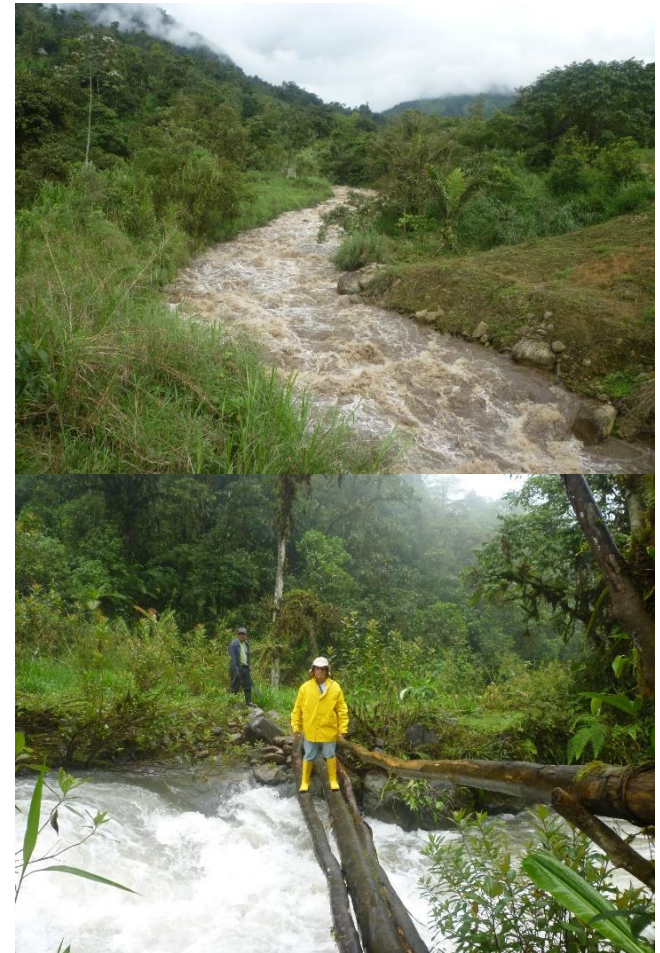
Energy access: 7,000 households

Applicant organisation: Ministry of
Electricity and Renewable Energy

- ✓ **Powers schools and medical facilities**
- ✓ **Creates 30 direct/indirect jobs**
- ✓ **Mitigates 4,213 tCO₂ per year**

Co-financing and replication

- Co-financing – approval needed following loan agreement of being part of annual budget of investment.
- Simple to use project model.



Example 3: geothermal project (St. Vincent and the Grenadines)

Project: Geothermal Power Plant, La Soufriere Volcanic region

Size: 15 megawatt, USD 15 million loan

Technology: Geothermal

Energy access: 104,000 people on-grid

Applicant organisation: Energy Unit,
Ministry of National Security



- ✓ **Clean, reliable power to the whole country.**
- ✓ **Reduce emissions by 53,000 tCO₂ per year from avoided diesel combustion.**

Co-financing and transformation

- Government, development funds, private sector
- Increase renewable energy mix in the grid to 75%.

Project results – Key performance indicators for project coordinators

Examples	
Indicators	Description
Accessibility	Number of people with increased access to energy.
Affordability	Reduction in household income spent on fuel/ electricity/ water etc.
Job creation	Increase in number of direct and indirect jobs.
Energy security	Reduction in power outages.
Environmental/ health	Fossil fuel usage saved/ reduced deforestation/ CO2 avoidance/ reduced cases of respiratory illness.
Gender/ transformation/ replicability/ scalability/ innovation/ other	Gender empowerment indicators and add other indicators as relevant.

Baseline, target and project implementation level data collection required.

Mandatory Eligibility Self-check

IRENA/ADFD Project Facility

- IRENA membership
- OECD DAC list of ODA recipients

IRENA Sustainable Energy Marketplace

- All African countries
- Latin American and Caribbean later

Both

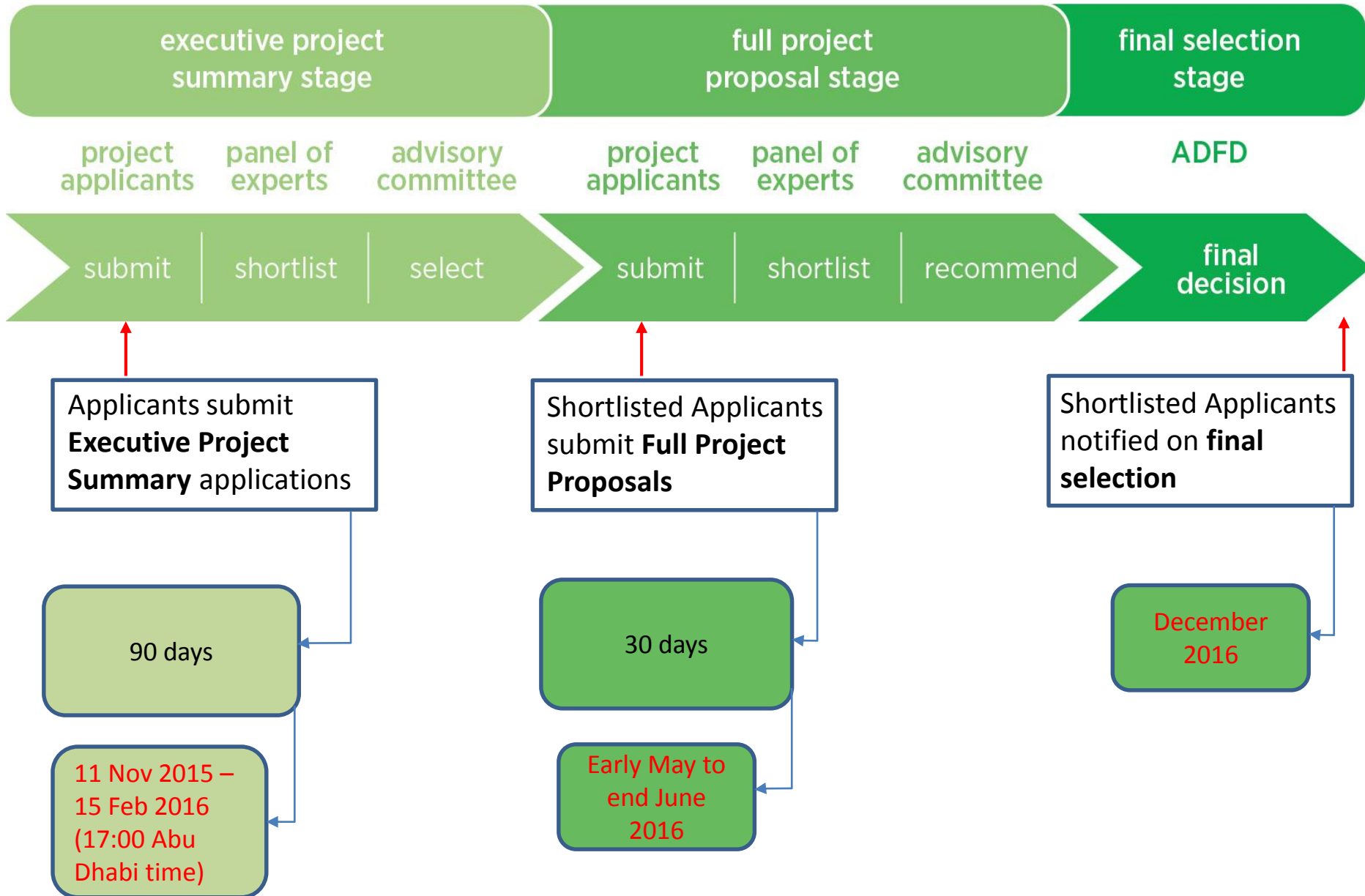
Register on the Facility website –
How to apply
www.irena.org/adfd
Download Fourth Cycle form – Executive Project Summary to apply

Register on the Facility website –
How to apply
www.irena.org/adfd
Download Fourth Cycle form and **choose IRENA Sustainable Energy Marketplace** option

Register on the IRENA Sustainable Energy Marketplace at
<http://marketplace.irena.org>

or

Project selection cycle



Evaluation criteria

Applications	Evaluation by experts (Weights)				Advisory Committee selection and recommendation
	Technical feasibility (40%)	Economic/ commercial sustainability (30%)	Socio-economic & environmental benefit (30%)	Overall project characteristics	
Executive Project Summary – applicants submit 11 Nov 2015 to 15 Feb 2016	<ul style="list-style-type: none"> -Market summary -Technical specifications -Resource assessment -Management summary 	<ul style="list-style-type: none"> -Project cost -Revenue sources -Business model 	<ul style="list-style-type: none"> -Social, economic & environmental benefits -Stakeholder engagement 	<ul style="list-style-type: none"> - Transformative -Replicable/ scalable -Innovative -Improve energy access -Address energy security 	<ul style="list-style-type: none"> -Geographic spread -Diversity of technologies -Alignment with government priorities
Full Project Proposal – shortlisted applicants submit early May to end June 2016	<ul style="list-style-type: none"> -Detailed project design and output -Monitoring and evaluation -Implementation plan and operational arrangements -Risk mitigation measures 	<ul style="list-style-type: none"> -Full economic/financial model -Co-finance agreements 	<ul style="list-style-type: none"> -Job creation -Community income generation -Environmental benefit -Health -Education -Gender empowerment 		
<p>Full feasibility study: The feasibility of the project is established by methods such as CBA, EIRR, NPV, sensitivity analysis etc. The review would also cover the financing plan, expected cash flow and the evaluation of the technical and social data in order to characterize the uncertainty associated with the project.</p>					

Helping project applicants

New aspects

Actions

IRENA Sustainable Energy Marketplace link-up



How experts evaluate and all Panel of Expert comments will be provided to applicants



Benefits

- Funding sources for feasibility studies
- Other co-funding sources
- Energy and Environment Partnership (EEP), Power Africa

- Helps applicants to improve their applications and projects for funding

Previous aspects

Interested co-funds listed at adfd.irena.org/funding



Reference to IRENA Project Navigator: tool for project development



Reference to Global Atlas for resource assessment



- African Development Bank, UNDP-Global Environment Facility and Islamic Development Bank source of co-funds

- Assists in project development

- Assists project proponents in resource assessment

Fourth Cycle: registration

The screenshot shows a web browser window with the URL <https://adfd.irena.org/registration.aspx>. The page features the IRENA logo (International Renewable Energy Agency) and the ADFD logo (Supporting Energy Transition). A navigation menu includes links for About, How it works, How to apply, Funding, Projects selected, Latest updates, FAQ, and Contact us. The main heading is "Registration of Project Coordinator".

Please complete all mandatory fields, which are marked with (*).
Once you have completed your registration, you will get a registration confirmation email.

The project coordinator is responsible for ensuring that the email address provided is correct as well as for all risks of error, misuse, illegality and loss of confidentiality or security.

A project coordinator is the contact person that would be making the submission and answering any questions posed on the application and could be from a governmental and/or non-governmental entity.

Information on Project Coordinator

Surname *

First name *

Title *

Email address *

*This email address will be your username.

User

- Mandatory Eligibility Self-check
- Login
- Forgot Password

The Windows taskbar at the bottom shows various application icons and the system tray with the date 11/23/2015 and time 12:39 PM.

Fourth Cycle (excel form)

IRENA ADFD Project Facility - Fourth Cycle Form - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

C12 : free text

Project Owner Information Form - to be filled in by applicant

Data entry instructions	
free text	applicant is allowed to write freely
choose from list	applicant has to choose among listed options by clicking on the arrow beside the selected cell
insert number	applicant enters a number or enters not applicable (N/A)
*	denotes mandatory information

Public information This section of information will be visible to all stakeholders

Name of the organization	free text	*
Type of organization	Governmental organization/agency	*
Division/department	free text	
Country of domicile	choose from list	*
Last turnover (millions USD)	insert number	
Number of employees	insert number	
Year of establishment	yyyy	*
Other applicant organization	free text	*
Contact information		
City	free text	*
Street address	free text	*

Project Owner Information | Executive Project Summary | Full Project Proposal

READY | 98%

12:03 PM 11/22/2015

Applicants fill in these fields: some are dropdown options

Fourth Cycle (excel form)

	A	B	C	D	E	F	G	H	I
24		P.O. Box	free text						
25		Phone (landline)	insert number	*					
26		E-mail	free text	*					
27		Web page	free text						
28		Fax	insert number						

General description *

Please describe organisation's background and history, profile, structure and ownership, core activities and capabilities. Provide indications of the size and geographical presence of the organisation. Please indicate previous successfully closed projects, and other relevant experience and track record.

Optionally confidential information

This section of information will be visible to all users on the platform if you choose to list on the platform and if not indicated otherwise.

Choose to list on the Sustainable Energy Marketplace →

YES

Please indicate if contact information is confidential →

Public

Contact information of project coordinator

38	First name	free text	*
39	Last name	free text	*
40	Title	choose from list	*
41	Job title	free text	*
42	City	free text	*
43	Street address	free text	*

Applicants choose to list on the IRENA Sustainable Energy Marketplace

Fourth Cycle (excel form)

IRENA ADFD Project Facility - Fourth Cycle Form - Excel

Seleha Lockwood

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

B14 free text

Executive Project Summary - to be filled in by applicant

Data entry instructions

<i>free text</i>	applicant is allowed to write freely
<i>choose from list</i>	applicant has to choose among listed options by clicking on the arrow beside the selected cell
<i>insert number</i>	applicant enters a number or enters not applicable (N/A)
*	denotes mandatory information

General project information

Project name	*
<i>free text</i>	
Project country	*
<i>choose from list</i>	
Project technology	*
<i>Other</i>	
<i>If "Other" please specify here</i>	
Loan requested from ADFD (5 to 15 millions USD for up to 50% of the project cost)	
<i>insert number</i>	
Total investment cost (millions USD)	*
<i>insert number</i>	

Project Owner Information **Executive Project Summary** Full Project Proposal

READY

100%



Fourth Cycle (excel form)

IRENA ADFD Project Facility - Fourth Cycle Form - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

G117 Information: Evaluation considerations by IRENA Experts during the selection process

115

116

117 **Information: Evaluation considerations by IRENA Experts during the selection process**

118 **Technical merit (40%)**

119 *Project objectives are well articulated. (Note: project objectives include indication of outputs and local community beneficiaries.)*

120 *Technology used is applicable and suitable for location and market.*

121 *Technical design is the best setup to utilize the renewable resources available.*

122 *Technical design provides most benefit to the local community.*

123 *Management approach is suitable to ensure project success. (Note: management approach includes level of experience of management, monitoring and evaluation plan for successful operations including relevant stakeholder engagement.)*

124 *Technical design is innovative.*

Technical design is potentially replicable or scalable. (Note: replicable or scalable means the project shows an effective, efficient model for the given technologies that can be replicated or scaled up, and/or involves a solid and tested approach.)

OVERALL: The project is technically feasible.

Explain the main strengths and weaknesses of the project from a technical perspective.

Author:

On each evaluation consideration, the experts need to agree or disagree according to the following likert scale and Strongly disagree/ Disagree/ Neutral/ Agree/ Strongly Agree

On the OVERALL section (Technical merit, Commercial viability, Socio-economic and environmental benefits), the e

Score Description

- 5 Excellent and thorough understanding of issues, experience and capability to deliver effectively.
- 4 Understanding of issues, good level of experience, capability to deliver.
- 3 Understanding of issues but limited experience and capability to meet all delivery requirements.
- 2 Insufficient understanding of issues, low level of relevant experience and capability to deliver.
- 1 Poor understanding of issues, inadequate demonstrations of relevant experience and capability to deliver.
- 0 Complete failure to understand issues or demonstrate capability to deliver.

Project Owner Information **Executive Project Summary** Full Project Proposal

Cell G117 commented by Author

12:07 PM 11/22/2015

- Regional webinars for applicants:
 - ✓ December and January
- ADSW events in January

Questions



IRENA ADFD
Supporting Energy Transition

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