

# Madagascar - Project to Support Development in the Menabe and Melaky Regions, IFAD Impact Assessment Surveys, 2017

**International Fund for Agricultural Development, International Initiative for Impact  
Evaluation, Research Solutions Africa**

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## Identification

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### SURVEY ID NUMBER

MDG\_2017\_AD2M-IIAS\_v01\_EN\_M\_v01\_A\_OCS

### TITLE

Project to Support Development in the Menabe and Melaky Regions, IFAD Impact Assessment Surveys, 2017

### COUNTRY

Name	Country code
Madagascar	MDG

### STUDY TYPE

Agricultural Survey [ag/oth]

### ABSTRACT

The Project to Support Development in the Menabe and Melaky Regions (AD2M) sought to improve the well-being of marginalized farmers facing individual and environmental constraints by implementing a multifaceted programme that combined land titling with improved irrigation infrastructure to increase productivity and reduce farmers' susceptibility to weather and climate shocks.

The programme created new irrigation infrastructure in areas that had not been irrigated, and rehabilitated existing irrigation infrastructure when possible. The irrigation allowed farmers to use better agricultural techniques. For example, they potentially could manage water flow to crops better during the primary growing season, and could support a second growing season with the more efficient water supply. We would expect crop yields to increase if farmers followed these techniques.

The AD2M project is organised around three components (and eight subcomponents): component 1, support for local governance and land tenure security; component 2, support for sustainable development of the productive base; and component 3, project management and monitoring and evaluation. Its implementation was planned to take place over a period of 8 years beginning in 2007.

For more information, please click on the following link

<https://www.ifad.org/en/web/knowledge/-/publication/impact-assessment-project-to-support-development-in-the-menabe-and-melaky-regions> .

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Households

## Scope

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### NOTES

The subjects covered by the survey are the following:

- Socio-demographic characteristics
- Employment
- Health
- Housing
- Finance
- Food security
- Assets
- Agricultural inputs
- Other sources of income
- Assistance/Help granted
- Shocks and coping strategies

- Crop production.

## Coverage

### GEOGRAPHIC COVERAGE

Menabe and Melaky regions of Madagascar. The project was implemented in 19 groups of villages across 5 districts in the 2 regions.

### UNIVERSE

Smallholder farmers

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
International Fund for Agricultural Development	United Nations
International Initiative for Impact Evaluation	IIIE
Research Solutions Africa	Research Solutions Africa

### FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
International Fund for Agricultural Development	IFAD	Funding
Government of Madagascar	GoM	Funding
European Union	EU	Funding
European Union	EU	Funding

## Sampling

### SAMPLING PROCEDURE

The impact assessment of AD2M used a mixed-methods approach that combines non-experimental statistical methods and qualitative analysis to compare a sample of project beneficiaries with non-beneficiaries. A reliable comparison group for AD2M beneficiaries was constructed using intertemporal geographic information system analysis to replicate the targeting process used to select project participants—a process based mostly on observable agroecological characteristics.

The impact assessment focused on households that benefited from access to certified irrigation land in the Menabe region only. Data collection took place between October and December 2016 and involved the administration of quantitative questionnaires to a sample of 1,986 households (682 beneficiary and 1,304 non-beneficiary households) as well as qualitative surveys in the form of key informant interviews and focus group discussions.

### WEIGHTING

No weighting.

## Data Collection

### DATES OF DATA COLLECTION

Start	End
2016-10	2017-04

### DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

## Questionnaires

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### QUESTIONNAIRES

This evaluation uses matching techniques to study the impact of the AD2M program using household surveys. Qualitative research used 18 key informant interviews and 16 focus groups discussions.

A full survey was conducted with 666 treatment and 1,334 comparison rural farm households, through which was collected key information to map out the causal chain among inputs, activities, outputs, outcomes and impacts, as well as the underlying assumptions (White, 2009). A short filter questionnaire was included at the beginning of the household survey to capture key time-invariant characteristics, as well as retrospective information on farming activities, to improve the matching process between each household in the treatment group and a similar farm household in a comparison area.

Moreover, a survey was conducted in each commune to focus on commune-level variables. This survey provided village-level control variables to improve the precision of the estimates. A person of knowledge, such as a mayor or community leader, was selected to provide information applying to all residents of the commune.

Note: some variables may have missing labels. Please, refer to the questionnaire for more details.

## Access policy

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### CONFIDENTIALITY

The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO

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- The micro dataset cannot be re-disseminated by users or shared with anyone other than the individuals that are granted access to the micro dataset by FAO.

### CITATION REQUIREMENTS

The use of the dataset should be referenced in any publication, using the following citation:

International Fund for Agricultural Development. Project to Support Development in the Menabe and Melaky Regions, IFAD Impact Assessment Surveys, Madagascar, 2017. Dataset downloaded from <https://microdata.fao.org>.

## Disclaimer and copyrights

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## Metadata production

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### DDI DOCUMENT ID

DDI\_MDG\_2017\_AD2M-IIAS\_v01\_EN\_M\_v01\_A\_OCS\_FAO

PRODUCERS

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
Office of Chief Statistician	OCS	Food and Agriculture Organisation	Metadata producer

DDI DOCUMENT VERSION

MDG\_2017\_AD2M-IIAS\_v01\_EN\_M\_v01\_A\_OCS\_v01

## Data Description

Data file	Cases	Variables
anon_analysis_11	1744	658
anon_hhroster_11	9589	12