



Food and Agriculture
Organization of the
United Nations

SUSTAINABLE
DEVELOPMENT
GOALS



AFRICAN COMMISSION ON AGRICULTURAL STATISTICS

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AFCAS 28
LEVERAGING
DATA & STATISTICS
FOR AGRIFOOD
SYSTEMS
TRANSFORMATION
IN AFRICA

AGENDA ITEM 5:
Global Strategy
For Improving Agricultural
and Rural Statistics - Phase II
(GSARS II) & Statistical
Capacity Development



AFRICAN
COMMISSION ON
**AGRICULTURAL
STATISTICS**

COUNTRY EXPERIENCE: Madagascar

Presenter : Joceline
SOLONITOMPOARINONY
*Head of Agricultural Statistics Department
Secretary General – Ministry of Agriculture and
Livestock*



State of Agricultural and Rural Statistics in 2023 (1/3)

- **Production of structural data: Agricultural censuses (agriculture, livestock and fisheries)**
 - First Agricultural Census (AC) : 1984-1985 / Second AC: 2004 /2005
 - Third AC: in preparation: 2024/2028

Interval of 20 years, whereas according to statistical standards, an AC is recommended every 10 years.

- **Production of conjunctural / annual data**

CROP PRODUCTION

Crop production and food security assessment (CFSAM): FAO et PAM

2009 to 2023, except in 2012

- Household surveys (declarative) and focus group (Communes and Districts) with progressive coverage of all regions of the country
- Availability of statistics on crop production, mainly food crops.
- Methodological improvement: probabilistic survey since 2022 and 2023, with technical support from INSTAT
 - **Lack of a regular yield assessment survey (only limited to project level activities, etc.)**

State of Agricultural and Rural Statistics in 2023 (2/3)

■ Production of conjunctural / annual data:

LIVESTOCK PRODUCTION

- No annual survey on livestock and livestock production since the last census in 2004/2005
- Projection-based estimation from last census structure data adjusted by administrative data
- Carrying out of the livestock survey in the Androy Region (2017-2018), with funding from UNDP, with INSTAT (1/23 Regions): extension to other regions planned but could not be done due to funding constraints

FORESTRY

- No regular survey
- Data sources used: Administrative data, Use of remote sensing, Studies and research

State of Agricultural and Rural Statistics in 2023(3/3)

FISHERY AND AQUACULTURE

Realization of the national framework survey: PACP project (Support Project for Fishing Communities of Toliara)

- **2012-2013**: A comprehensive enumeration of all fishing units including fishing villages, fishermen, boats and fishing gear: marine and coastal fishing on the one hand and fishing in major inland water bodies on the other hand

Pilot survey to assess catches in the PACP project intervention area. The aim is to design and test a methodology for estimating catches (collection of data on production, species and volume) **2012-2013**

- **2023**: Update of the National Framework Survey on Small-scale Marine and Inland Fisheries

- **since 2017 to 2023**: Fisher-level production survey (8 regions) / (SWIOFish 2/BM project - Second Fisheries Governance and Shared Growth Project in the South-West Indian Ocean):,

- In the remaining regions, use of Marketing sheet for small-scale fishing (collector and fishmonger) / (local sale, internal shipping, export)

Strengths and weaknesses of the agricultural statistical system in 2023

The **SWOT analysis** carried out as part of the development of the SPARS highlighted the structural weaknesses of the ASS, which is characterized by

- weak institutional anchoring and insufficient coordination between sectoral structures and INSTAT
- **a significant gap in financial, material and human resources** necessary for the proper functioning of the ASS
- **methodological and statistical practice shortcomings** that limit the production, availability and dissemination of reliable and consistent statistics
- **Recurrent delays** in data release and publication timelines

However, efforts are being made by the **Government and development partners** to ensure the production and dissemination of key statistics on the agricultural sector and the monitoring of food and nutrition security.

GSARS II packages implemented in the country

Madagascar received at least one support in each of the 4 components of GSARS II

1
**STRATEGIC
PLANNING**



Strategic Plans for
Agricultural and Rural
Statistics (SPARS)

PARiS21

Advanced Data Planning
Tool (ADAPT)

2
TRAINING




Scholarships

Basic training in
agricultural statistics

PARiS21


Leadership &
Communication in
agricultural statistics

3
SURVEY METHODS



Agricultural production
(AGPROD)

4
**ANALYSIS AND
DISSEMINATION**



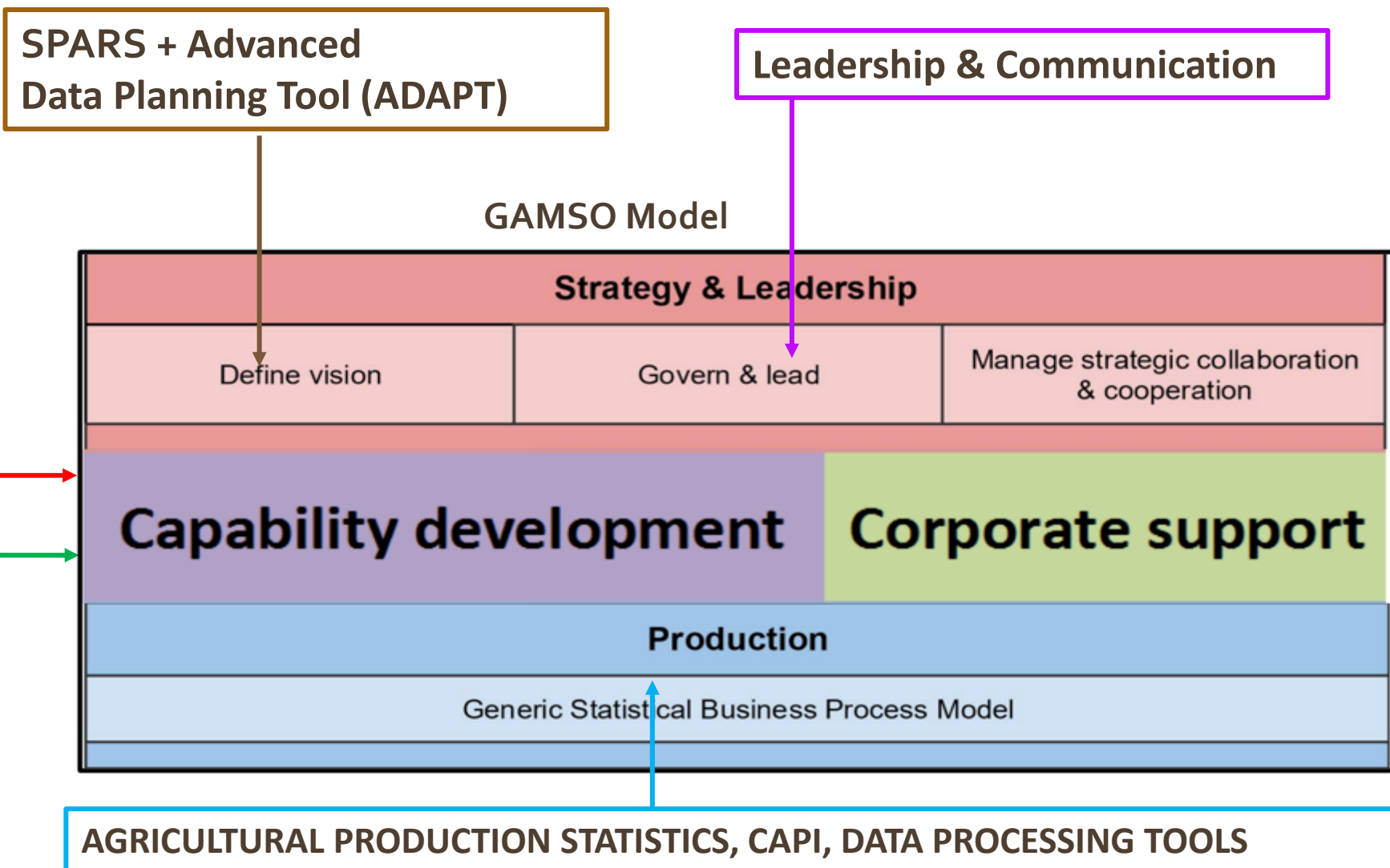
TOOLS for survey data
processing and analysis

CAPI



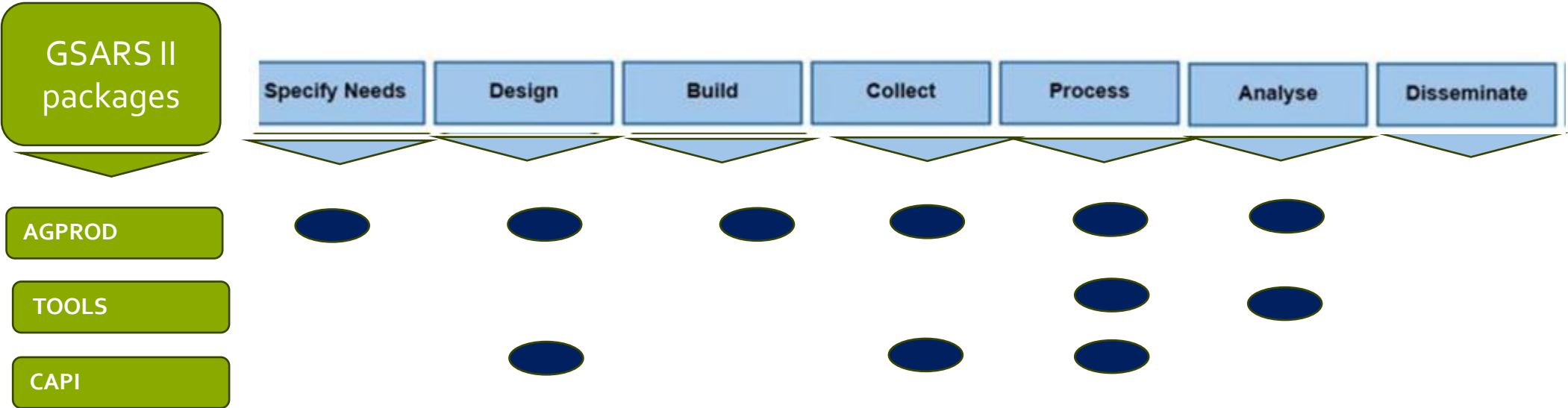
GSARS II packages implemented in the country

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GSARS II packages implemented in the country

The GSARS II support has considerably contributed to improving the agricultural statistics business as shown by the GSBPM model



Impact of GSARS II on Madagascar's agricultural statistics system (1/5)



- Improvement of the agricultural survey process through **AGPROD, TOOLS** and **CAPIS** support, allowing to better prepare the operations of the upcoming **50x2030 survey program**
- Customization of the **AGPROD generic questionnaire** for the current National Production Survey



Impact of GSARS II on Madagascar's agricultural statistics system (2/5)



- Capacity building in data processing and analysis through SPSS software (3 training modules)



Impact of GSARS II on Madagascar's agricultural statistics system (3/5)



PARIS21

- Capacity building in strategic planning of agricultural statistics activities through the development of the first **SPARS** for the country, integrated into the **NSDS II** process
- Use of the **ADAPT** tool in the assessment and planning phases of the SPARS process
- **SPARS-MG** used as an advocacy document of resource mobilization for the development of the agricultural statistics system



Impact of GSARS II on Madagascar's agricultural statistics system (4/5)



- Capacity building of statistical human resources through basic training in agricultural statistics at **ENSEA in Abidjan**
- And the awarding of **two (2) scholarships for the Master's degree in agricultural statistics at ENSAE in Dakar**



Impact of GSARS II on Madagascar's agricultural statistics system (5/5)

PARIS21

- **Leadership and communication capacity building** through the development of a communication strategy for the national statistical system with the support of PARIS21



Lessons Learnt from GSARS II and Future Challenges

■ **Lessons Learnt**

- Strengthening the coordination of the various statistical actors in the agricultural and rural sector
- Towards a common vision of the agricultural and rural statistics system with the implementation of the SPARS
- Adoption of an integrated agricultural survey questionnaire
- Adoption of modern and efficient data collection tools (CAPI)
- Promotion of the quality approach to data processing and analysis (SPSS)

■ **Future Challenges**

- Further strengthening of statistical technical capacity and human resources
- Resource mobilization for the implementation of activities foreseen in the SPARS-MG

Thank you for your attention!

For more information, please visit the following link: [Global Strategy to Improve Agricultural and Rural Statistics website](#)

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