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Unpacking the EBA Methodology

Session 2

Photo: Fintrac Inc.



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SESSION 2 LEARNING OBJECTIVES



Photo: Fintrac Inc.

Understand basics of EBA methodology including:

- Components
- Evaluation Approach
- Scoring
- Ranking



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TOPIC COMPONENTS



SEED



FERTILIZER



MACHINERY



FINANCE



MARKETS



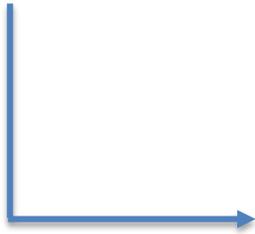
TRANSPORT



WATER



ICT



Each topic has:

- Standard business case
- Legal and efficiency indicators



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STANDARD BUSINESS CASE



The seed variety:

- Is a maize variety developed by the private sector
- Is being registered for the first time in the country
- Has not been registered in any other country





LEGAL AND EFFICIENCY INDICATORS

Legal

- Quality of legal framework

Efficiency

- Time
- Cost
- Number of documents

Seed Topic

- Plant breeding
- Variety registration
- Seed quality control

Seed Topic

- Time to register new variety (*days*)
- Cost to register new variety (*% income per capita*)





LEGAL INDICATOR QUESTIONS

Seed variety registration (0-8)

DUS testing data from other countries' authorities is accepted as official data

Has a legally required variety release committee (VRC) in country

Balanced composition between government and non-government representatives

VRC meets bi-annually in practice

In practice, a newly registered variety can be commercialized immediately after the approval of the registration body

Country has a variety catalogue listing new varieties and is available online

Does the catalogue specify agro-ecological zones suitable for planting of each listed variety?

Variety catalogue is updated annually





DATA COLLECTION AND EVALUATION

Seed variety registration (0-8)

DUS testing data from other countries' authorities is accepted as official data	1
Has a legally required variety release committee (VRC) in country	1
Balanced composition between government and non-government representatives	0
VRC meets bi-annually in practice	0
In practice, a newly registered variety can be commercialized immediately after the approval of the registration body	1
Country has a variety catalogue listing new varieties and is available online	0.5
Does the catalogue specify agro-ecological zones suitable for planting of each listed variety?	1
Variety catalogue is updated annually	0
Total best practices achieved (0-8)	4.5



4.5 of 8 best practices (56%)

Source: EBA
2017





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EFFICIENCY INDICATORS

Time to register new variety days  620

Cost to register new variety capita  77.8 % income per capita



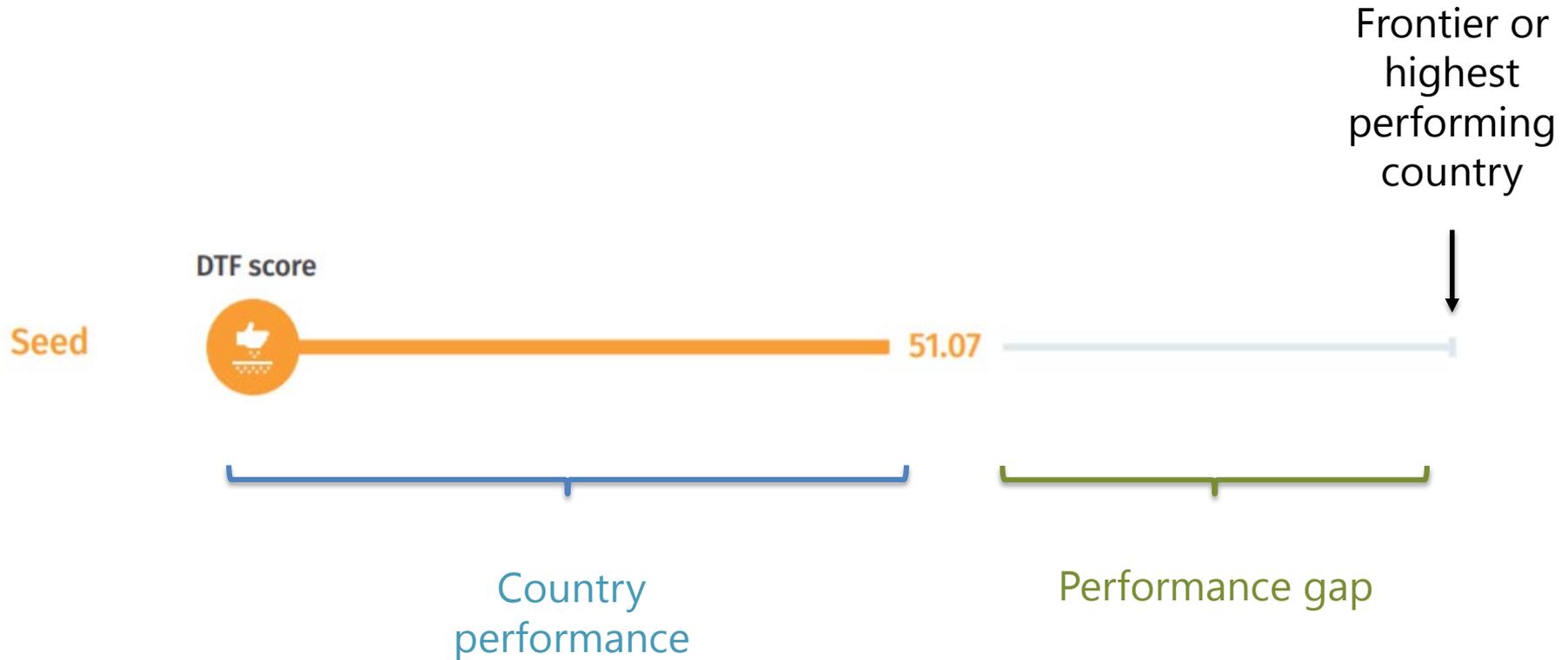
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DISTANCE TO FRONTIER (DTF) SCORE

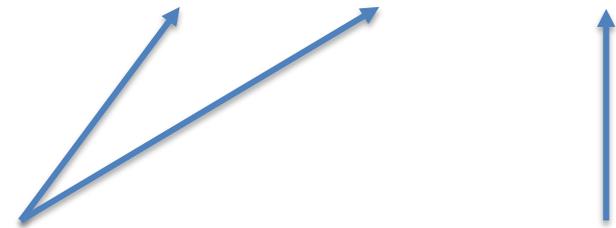


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DTF SCORE CALCULATION: LEGAL INDICATORS

Legal Quality Indicators	Data	Frontier	DTF Score
Plant breeding index (0-10)	6	10	60
Variety registration index (0-8)	4.5	8	56.3
Seed quality control index (0-12)	4	12	33.3



4.5 of 8 best practices = 56.25% = DTF score of 56.3





DTF SCORE CALCULATION: EFFICIENCY INDICATORS

Efficiency Indicators	Data	Frontier	DTF Score
Time to register a new variety (days)	620	298	
Cost to register new variety (% income per capita)	77.8	0	54.7





DTF SCORE CALCULATION: TOPIC

Topic / Indicator	Data	Frontier	DTF Score
<i>Legal Quality Indicators</i>			
Plant breeding index (0-10)	6	10	60
Variety registration index (0-8)	4.5	8	56.25
Seed quality control index (0-12)	4	12	33.33
<i>Efficiency Indicators</i>			
Time to register a new variety (days)	620	298	54.7
Cost to register new variety (% income per capita)	77.8	0	
<i>Combined topic score</i>			
Seed			51.07



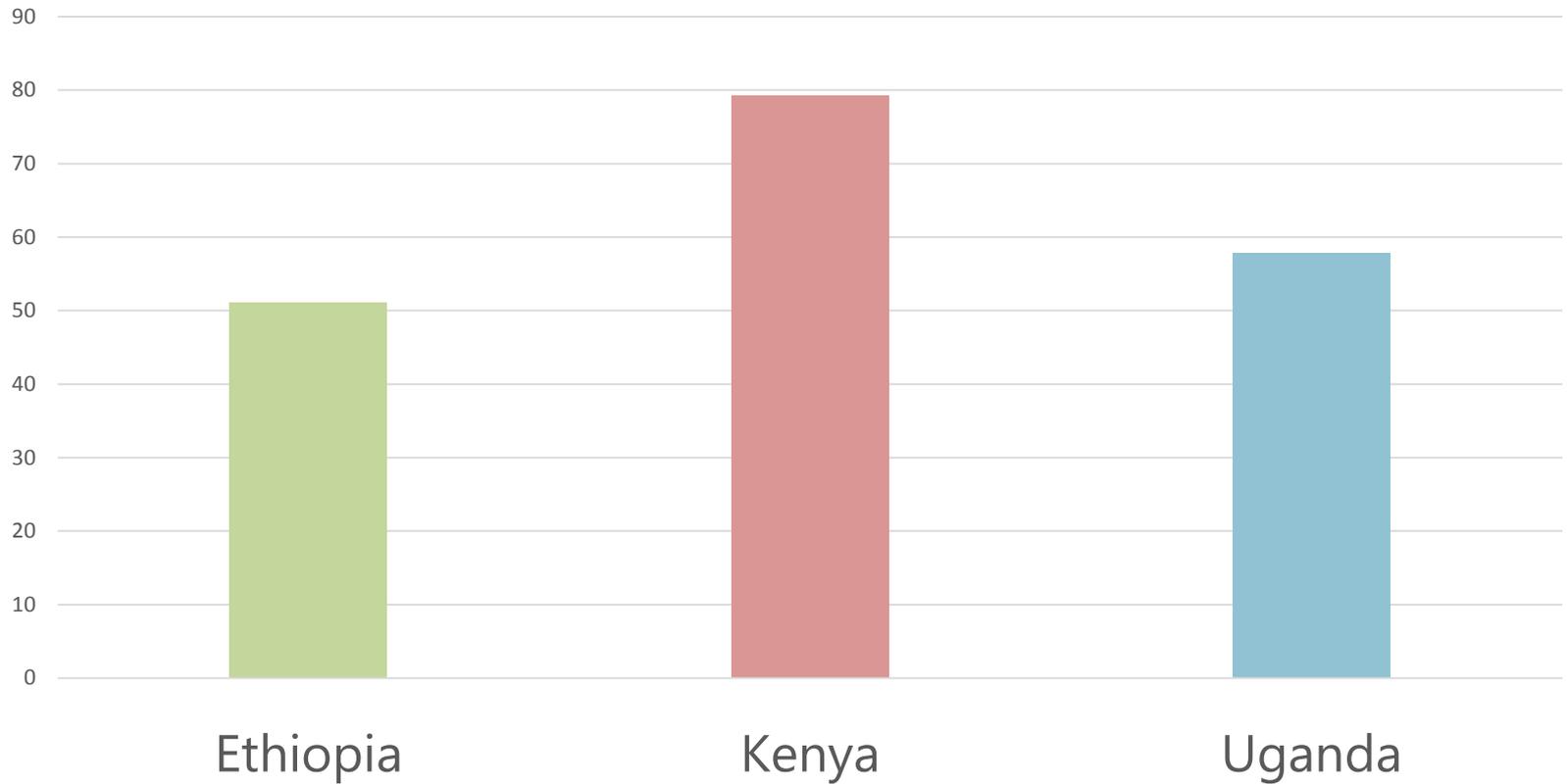
Total score: Average of 4 DTF scores = 51.07





DTF A TOOL FOR COMPARISON

Seed DTF Scores (2017)



COUNTRY RANKING

- Countries are ranked on their performance on each topic, from 1-62.
- Rankings determined by sorting the aggregate distance to frontier scores for each topic.
- Lower ranking =

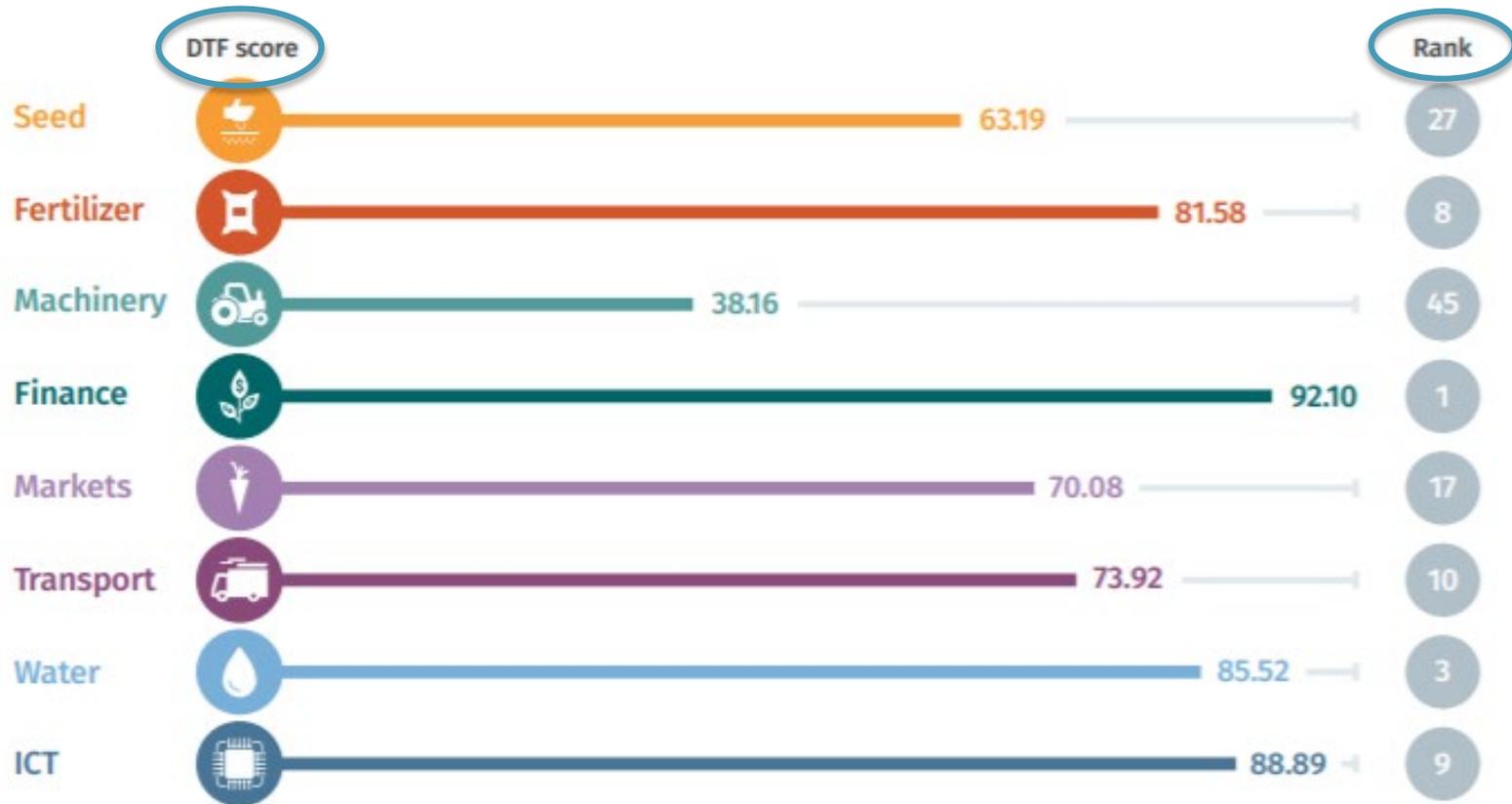
	 SEED	 FERTILIZER	 MACHINERY	 FINANCE	 MARKETS	 TRANSPORT	 WATER	 ICT
ARMENIA	28	53	30	52	23	56	5	31
BANGLADESH	54	35	49	23	21	45	56	37
BENIN	55	61	53	41	34	50	38	31
BOLIVIA	25	45	52	13	22	15	43	30
BOSNIA AND HERZEGOVINA	56	1	34	60	11	32	6	31
BURKINA FASO	57	56	32	41	37	12	47	59
BURUNDI	40	42	50	59	55	30	33	52
CAMBODIA	38	26	44	48	46	34	37	43
CAMEROON	58	48	37	51	41	31	44	52
CHILE	29	54	28	46	9	46	28	15
COLOMBIA	27	8	45	1	17	10	3	9
CÔTE D'IVOIRE	30	45	35	18	60	19	49	22



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HIGH DTF AND LOW RANKING INDICATE STRONG PERFORMANCE: COLOMBIA



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Source: EBA 2017



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EBA DATA ONLINE

<http://eba.worldbank.org/>

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Region	Sub-Saharan Africa
Income Group	Lower middle income
Population	46,050,302
GNI Per Capita (US\$)	1,340

Export to Excel

Country Profile

Seed Fertilizer Machinery Finance Markets Transport Water ICT

+ Expand All Topic Rank: 7 / 62 Topic DTF: 79.24 / 100 * Score Notes

	Economy Score
+ Plant breeding index (0 - 10)	10.0
+ Variety registration index (0 - 8)	7.0

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SESSION 2 RECAP WHAT WE HAVE LEARNED

EBA Methodology Basics





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LET'S CHECK WHAT WE'VE LEARNED



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QUESTION 1

1. Which of these are primary components of each EBA topic?

- a. Standard business case
- b. Indicators evaluating legal quality
- c. Indicators evaluating efficiency of regulatory processes
- d. All of the above





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QUESTION 1 - ANSWER

1. Which of these are primary components of each EBA topic?

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- d. All of the above



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QUESTION 2

2. Which of the following accurately describes the EBAs distance to frontier score?
 - a. DTF scores capture the gap between a country's performance and a measure of best practice across the entire sample.
 - b. A measurement of the a country's performance relative to the best performers in that area.
 - c. DTF is a useful tool to compare performance across countries.
 - d. All of the above.
 - e. None of the above.





QUESTION 2 - ANSWER

2. Which of the following accurately describes the EBAs distance to frontier score?
- a. DTF scores capture the gap between a country's performance and a measure of best practice across the entire sample.
 - b. A measurement of the a country's performance relative to the best performers in that area.
 - c. DTF is a useful tool to compare performance across countries.
 - d. All of the above.**
 - e. None of the above.





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QUESTION 3

3. True or False? "Higher DTF scores and lower rankings indicate stronger performance."

a. True

b. False



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QUESTION 3 - ANSWER

3. True or False? "Higher DTF scores and lower rankings indicate stronger performance."

a. True

b. False



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YOUR FEEDBACK IS WELCOME!

- Was this learning resource helpful?
- Do you have questions or suggestions for improvements on the EBA methodology?
- Other feedback?

Please contact Lourdes Martinez Romero (COR) at lmartinezromero@usaid.gov or Nate Kline (COP) at nkline@fintrac.com.



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