

Training Needs Assessment

12.09.2018



Training Needs Assessment



Goal

Identify training needs for better alignment of future SIAP training courses to capacity gaps and statistical needs

Topic

Agricultural and rural statistics

Assessment

- Online survey
- 55 countries were contacted
- 34 countries returned the survey
(For countries with more than one response, average scores have been calculated)

Timeline

Invitations: sent on the 20th of July
Answers: collected until 1 of September

Participating countries (34)



- Armenia
- Azerbaijan
- Bangladesh
- Bhutan
- Brunei Darussalam
- Cambodia
- China
- Fiji
- Georgia
- India
- Indonesia

- Islamic Republic of Iran
- Kazakhstan
- The Republic of Korea
- Lao People's Democratic Republic
- Malaysia
- Maldives
- Mongolia
- Myanmar
- Nepal
- Palau
- Philippines
- Russian Federation

- Samoa
- Singapore
- Sri Lanka
- Tajikistan
- Thailand
- Timor-Leste
- Tonga
- Turkey
- Tuvalu
- Vanautu
- Vietnam

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Assessment Survey

Survey structure & items



Survey structure



Contact details

Lead Agencies

Training capacity and priority

Preference of Training formats

Open question
(national priorities)

Open questions
(suggestions for SIAP)

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Lead Agencies



Is your office the lead agency responsible in producing statistics in the area of ...?

- agricultural census
- crops statistics
- harvest and post-harvest losses
- livestock statistics
- forestry statistics
- fisheries and aquaculture statistics
- food balance sheets
- cost of agricultural production

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Areas of agricultural statistics



Areas

Agricultural Integrated Survey (AGRIS)

Master sampling frame

Remote sensing for agricultural statistics

Food balance sheet

Agricultural census

Sampling in agricultural statistics

Administrative data in agricultural statistics

Crops statistics

Harvest and Post-harvest losses

Livestock statistics

Cost of agricultural production

Fisheries and aquaculture statistics

Forestry statistics

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Capacity, training need & priority



(1) How **confident** is your office in its capacity in the following areas?

3 = Highly confident

2 = Moderately confident

1 = Not confident

(2) **Level of training** needed (multiple selections allowed)

Advanced

Intermediate

Basic

Not applicable

(3) Please rate your **level of need for training** in the following areas

Distribute a total of 100 points to all areas

0 – 100 Points

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Preference of training format



Two questions:

How **effective** / **efficient** do you rate each of the following training format to increase capacity of your office?

(order from highest to lowest, 1 = most effective, 3 = least effective.)

- Classroom training
- Online training
- Combination of classroom training & online training

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Preference of training format



How does your office rate the **importance** of each of the following possible attributes of online training?

(order from highest to lowest, 1 = most important, 4= least important.)

- Opportunity to interact with instructor
- Opportunity to interact with other participants
- Opportunity to start at any time
- Opportunity to complete at your own pace
- Access to resources, including data/code, study
- User friendly interface and platform
- Availability of varying levels of difficulty of

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Open questions



What suggestions would your organization give to the improvement of SIAP's **face to face** training courses?

What suggestions would your organization give to the improvement of SIAP's **online** training courses?

Do you have any additional comments you would like to include?

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Training capacity & needs

Survey results

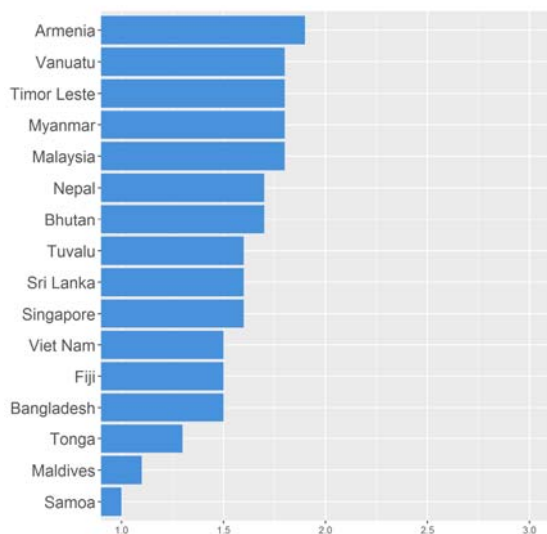


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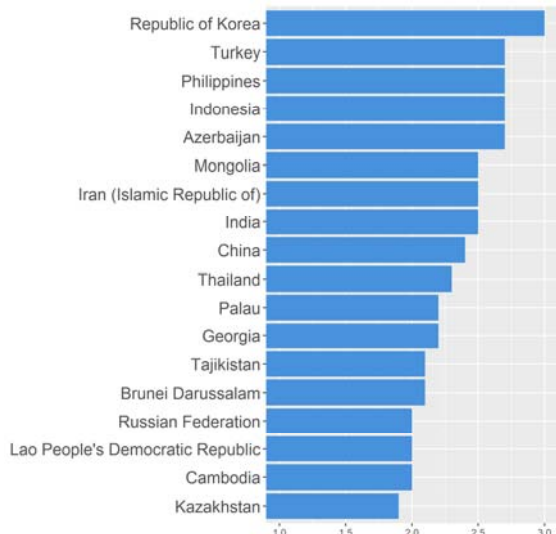
Current capacity (per country)



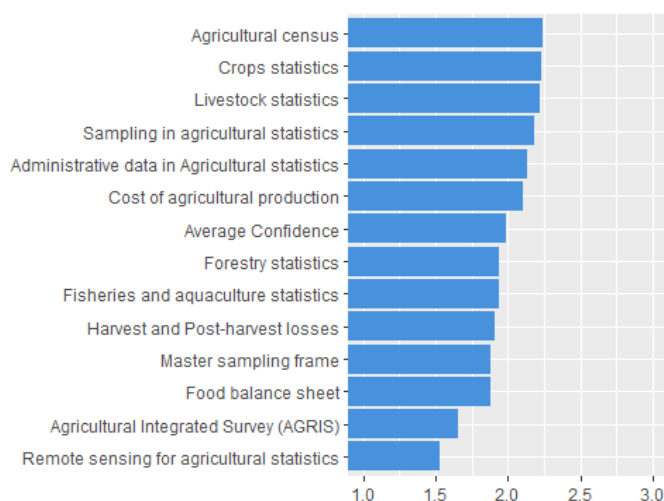
Countries with lowest confidence across all areas



Countries with highest confidence across all areas



Confidence per area



Areas	Confidence
Agricultural census	2.24
Crops statistics	2.23
Livestock statistics	2.22
Sampling in agricultural statistics	2.18
Administrative data in Agricultural statistics	2.13
Cost of agricultural production	2.10
Average Confidence	1.99
Forestry statistics	1.94
Fisheries and aquaculture statistics	1.94
Harvest and Post-harvest losses	1.91
Master sampling frame	1.88
Food balance sheet	1.88
Agricultural Integrated Survey (AGRIS)	1.66
Remote sensing for agricultural statistics	1.53
Average Confidence	1.99

Basic level of training needed



Area	Percentage of organizations
Agricultural Integrated Survey (AGRIS)	39 %
Food balance sheet	33 %
Remote sensing for agricultural statistics	30 %
Cost of agricultural production	30 %
Master sampling frame	27 %
Harvest and Post-harvest losses	24 %
Fisheries and aquaculture statistics	24 %
Livestock statistics	24 %
Forestry statistics	24 %
Crops statistics	24 %
Agricultural census	18 %
Administrative data in Agricultural statistics	15 %
Sampling in agricultural statistics	15 %

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Intermediate level of training needed



Area	Percentage of organizations
Harvest and Post-harvest losses	48 %
Master sampling frame	45 %
Administrative data in Agricultural statistics	45 %
Sampling in agricultural statistics	42 %
Crops statistics	42 %
Agricultural census	42 %
Agricultural Integrated Survey (AGRIS)	39 %
Remote sensing for agricultural statistics	39 %
Livestock statistics	36 %
Cost of agricultural production	36 %
Food balance sheet	30 %
Fisheries and aquaculture statistics	30 %
Forestry statistics	24 %

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Advanced level of training needed



Area	Percentage of organizations
Sampling in agricultural statistics	30 %
Fisheries and aquaculture statistics	27 %
Crops statistics	24 %
Agricultural census	24 %
Master sampling frame	24 %
Livestock statistics	24 %
Remote sensing for agricultural statistics	24 %
Forestry statistics	24 %
Agricultural Integrated Survey (AGRIS)	24 %
Food balance sheet	24 %
Administrative data in Agricultural statistics	22 %
Cost of agricultural production	21 %
Harvest and Post-harvest losses	15 %

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Training priorities of countries



Area	Average points
Agricultural Integrated Survey (AGRIS)	10
Master sampling frame	9
Remote sensing for agricultural statistics	9
Food balance sheet	9
Agricultural census	8
Sampling in agricultural statistics	8
Administrative data in Agricultural statistics	8
Crops statistics	8
Harvest and Post-harvest losses	8
Livestock statistics	8
Cost of agricultural production	8
Fisheries and aquaculture statistics	7
Forestry statistics	6

Participants were asked to distribute a total of 100 points across all areas

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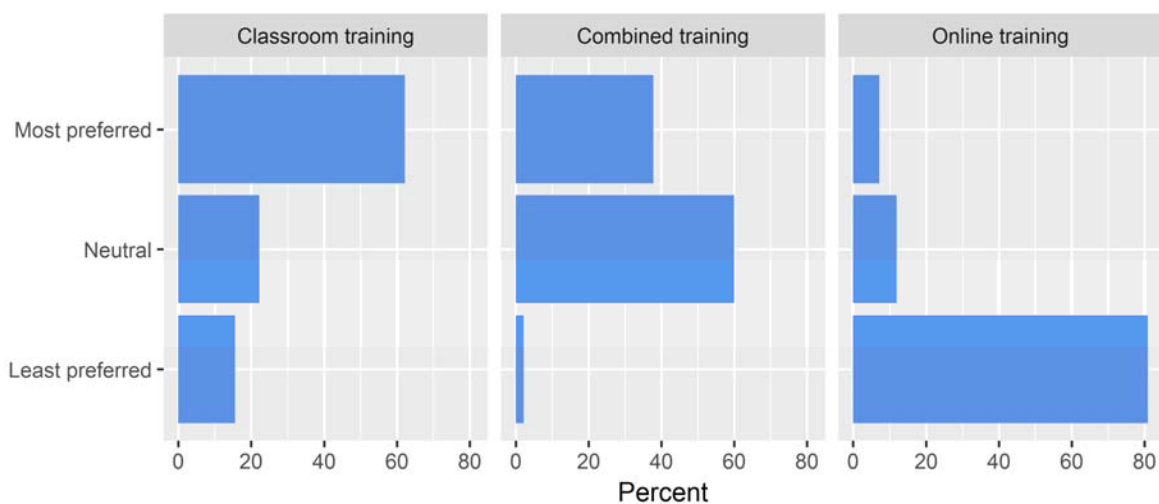
Training format

Survey results



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Preference of training format



Suggestions for SIAP

Survey results



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Recommendations for classroom training



practical sessions using
country data

need assignments or examples
used in the class from our
organization's real samples.

Provide more practice
during the training

Importantly the training
should be organized base
on more practical and
hands-on training.

Possibility sharing experience
of different countries and
providing best practices is
very important for statistical
offices.

Recommendations for online courses



"It would be better to add video lessons to the online-training."

Short video on the topic explanation need to be added to facilitate the online learning process.

There are more Combination of classroom training and online training. Online training for basic level and classroom training for higher level.