



***Special topics and recent developments  
in sampling theory and practice***

November 11 – 15, 2019

Frascati (RM), Italy

**PROGRAM**

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**Facilitated by**

Michael Wild, World Bank  
Paolo Righi, Italian National Institute of Statistics  
Alessio Guandalini, Italian National Institute of Statistics  
Marco Dionisio Terribili, Italian National Institute of Statistics  
Andrea Fasulo, Italian National Institute of Statistics  
Marcello D'Orazio, FAO/ Italian National Institute of Statistics  
Emanuele Baldacci, European Commission  
Giulio Barcaroli, Sampling Expert

## Day 1 (November 11, 2019)

09:00 – 10:45	<b>Opening Remarks &amp; Introduction of participants</b> Bank of Italy & World Bank
	<b>Course Overview</b> Michael Wild
10:45 – 11:00	<b>Tea/Coffee Break</b>
11:00 – 12:45	<b>A recap of sampling principles</b> Michael Wild
12:45 – 14:00	<b>Lunch</b>
14:00 – 15:30	<b>Testing (complex) sampling designs through sampling simulations</b> Michael Wild
15:30 – 15:45	<b>Tea/Coffee Break</b>
15:45 – 17:15	<b>Testing (complex) sampling designs through sampling simulations</b> Michael Wild

## Day 2 (November 12, 2019)

09:00 – 10:45	<b>Sampling frames – problems, consequences and solutions</b> Michael Wild
10:45 – 11:00	<b>Tea/Coffee Break</b>
11:00 – 12:45	<b>Sampling frames – problems, consequences and solutions</b> Michael Wild
12:45 – 14:00	<b>Lunch</b>
14:00 – 15:30	<b>Stratification as an optimization problem</b> Giulio Barcaroli /Michael Wild
15:30 – 15:45	<b>Tea/Coffee Break</b>
15:45 – 17:15	<b>Stratification as an optimization problem</b> Giulio Barcaroli /Michael Wild

## Day 3 (November 13, 2019)

09:00 – 10:45	<b>Sampling with remote sensing data and gridded sampling frames</b> Michael Wild
10:45 – 11:00	<b>Tea/Coffee Break</b>
11:00 – 12:45	<b>Sampling with remote sensing data and gridded sampling frames</b> Michael Wild
12:45 – 14:00	<b>Lunch</b>
14:00 – 15:30	<b>Seminar 1 - Integration of data sources via statistical matching</b> Marcello D'Orazio
15:30 – 15:45	<b>Tea/Coffee Break</b>
15:45	<b>Travel to Rome and dinner</b> Hosted by the Bank of Italy

## Day 4 (November 14, 2019)

09:00 – 10:45	<b>Accuracy in official statistics</b> Alessio Guandalini
10:45 – 11:00	<b>Tea/Coffee Break</b>
11:00 – 12:45	<b>Total non-response in sample surveys: Methods for correcting in estimation phase and non-response adjustment models (parametric and non-parametric)</b> Marco Dionisio Terribili
12:45 – 14:00	<b>Lunch</b>
14:00 – 15:30	<b>Seminar 2 – New sampling strategy in social surveys</b> Andrea Fasulo
15:30 – 15:45	<b>Tea/Coffee Break</b>
15:45 – 17:15	<b>The use of auxiliary information for planning the population size estimation (PSE) in the population census</b> Paolo Righi

## Day 5 (November 15, 2019)

09:00 – 10:45	<b>Introduction to adaptive sampling design</b> Michael Wild
10:45 – 11:00	<b>Tea/Coffee Break</b>
11:00 – 12:30	<b>Seminar 3 – Digital transformation in action. Moving to a data-driven organization</b> Emanuele Baldacci
12:30 – 13:00	<b>Course evaluation and feedback</b> <b>Awarding of certificates and closing remarks</b> All participants
13:00 – 14:00	<b>Lunch</b>
14:00	<b>Departure</b>