



Food and Agriculture Organization  
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European Bank  
for Reconstruction and Development

# Cost-Benefit Analyses of ePhyto Adoption

*Preliminary Results of the Country Case Studies*

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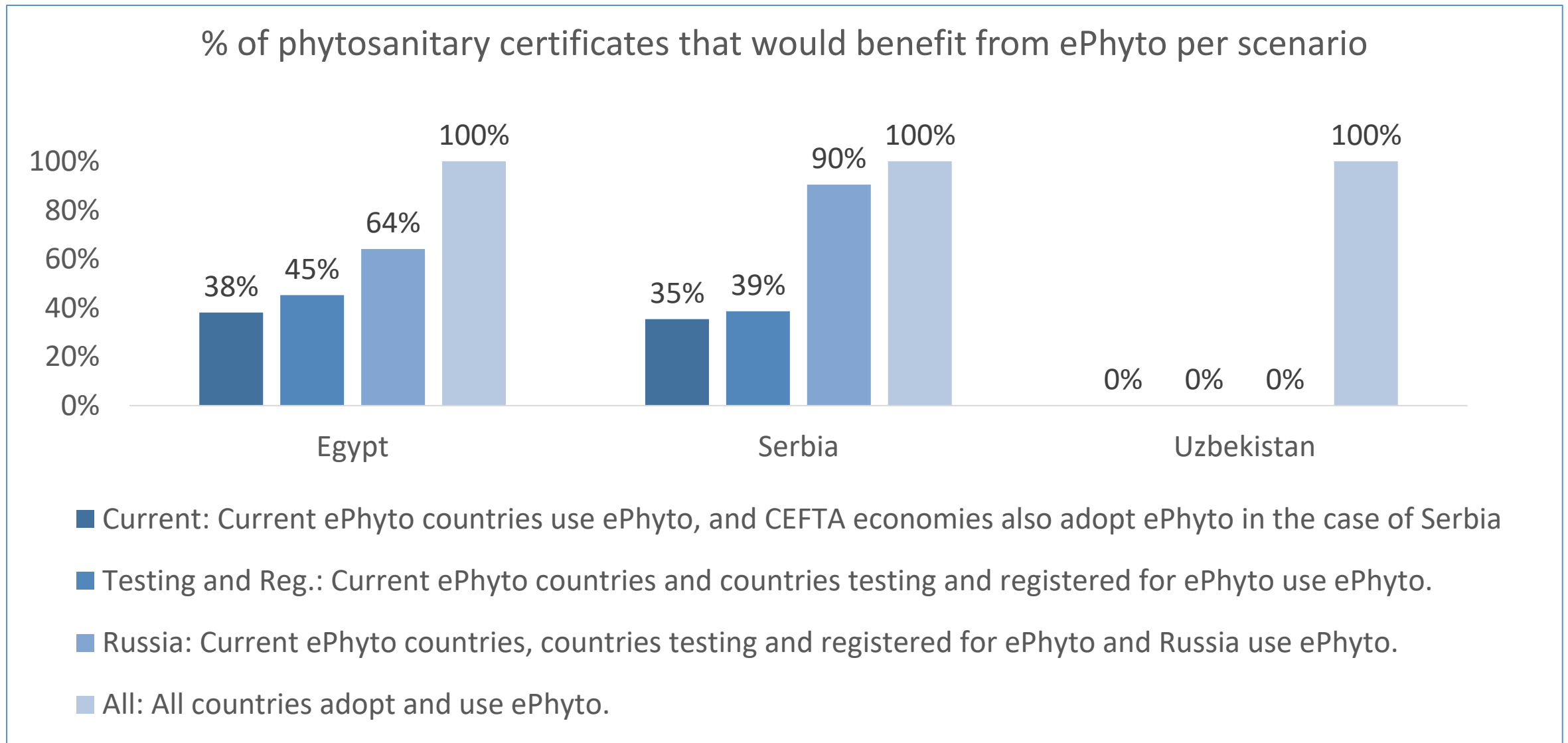
# Introduction

<b>Objective</b>	To quantify the costs and benefits of switching paper form to digital phytosanitary certificates (PCs) for <b>Egypt, Serbia, Uzbekistan and Ukraine</b> (Ukraine in progress).
<b>Methodology</b>	Compare costs and revenues of ePhyto adoption with paper system.
<b>Without ePhyto Situation</b>	The country does not transit to ePhyto and trades using paper PCs.
<b>With ePhyto Situation</b>	The country uses ePhytos and paper PCs are no longer required.
<b>Commodities</b>	Egypt: fresh fruits (mostly citrus), potatoes, tomatoes, onions Serbia: fresh fruits Uzbekistan: fresh fruits
<b>Stakeholders</b>	The analysis considers additional costs (or cost savings) for: <ul style="list-style-type: none"><li>• The private sector/exporters</li><li>• The government</li><li>• Society (for externalities in the form of greenhouse gas emissions (GHG))</li></ul>
<b>Perspective</b>	Exporting company and country perspective (economic analysis)

## Methodology: Assessed costs and savings

Cost	Who pays	Additional cost or saving when switching to ePhyto
Cost of obtaining the certificate (applying for and/or picking up the certificate)	Exporters	Savings
Costs associated to reissues and/or delays	Exporters	Savings
Administration printing costs	Government	Savings
Setup costs for ePhyto	Government	Additional cost
Operational costs	Government	Additional cost
GHG emissions associated to reissues of PCs	Society	Savings

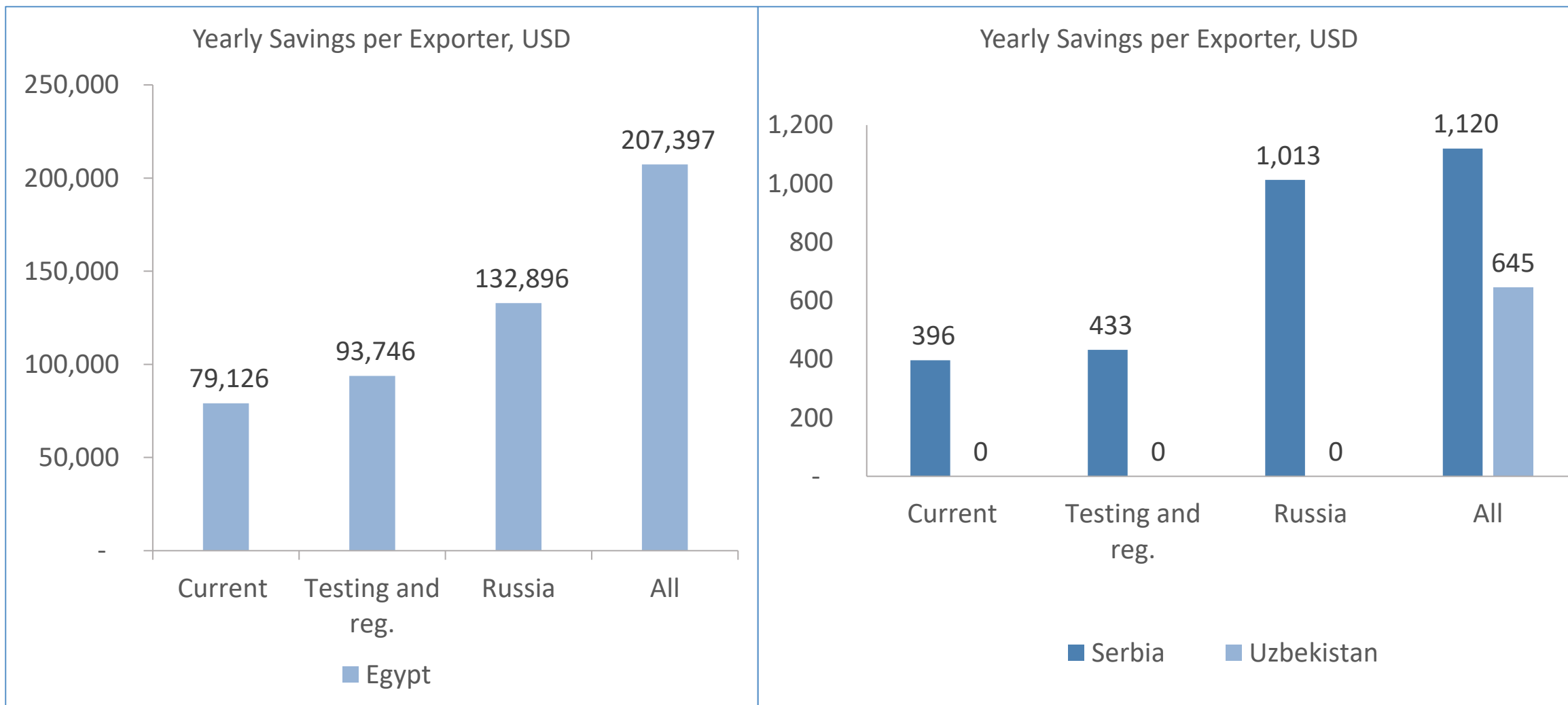
# Methodology: Shipments using ePhyto based on ePhyto export partners



## Preliminary results: Exporters' savings (per company)

Interview Findings	Unit	Egypt	Serbia	Uzbekistan
Number of interviewed companies	Companies	12	9	13
Average volume of exports per PC	kg	19,691	20,000	20,750
Average saving per shipment where ePhyto applies	USD	83.0	4.5	6.3
Average saving per tonne exported	USD	4.21	0.22	0.30
Average number of shipments per company per year	Shipments	2,499	250	103

## Preliminary results: Exporters' savings (per company)



# Preliminary Results: Country-level results, exporters' savings

