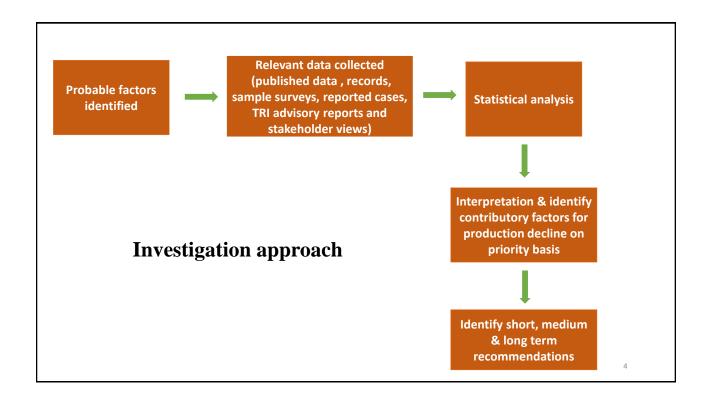


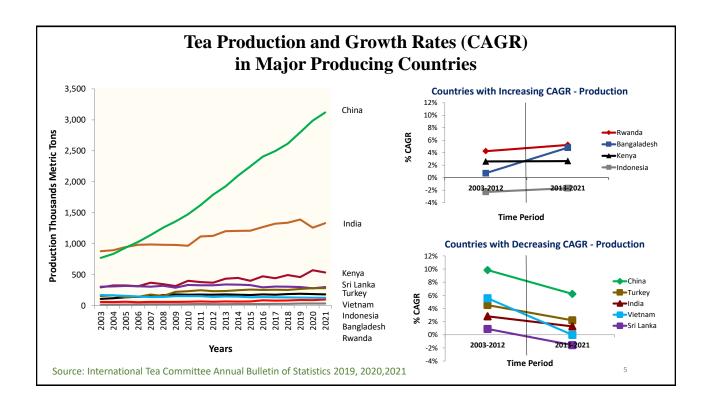
Objectives of the Investigation

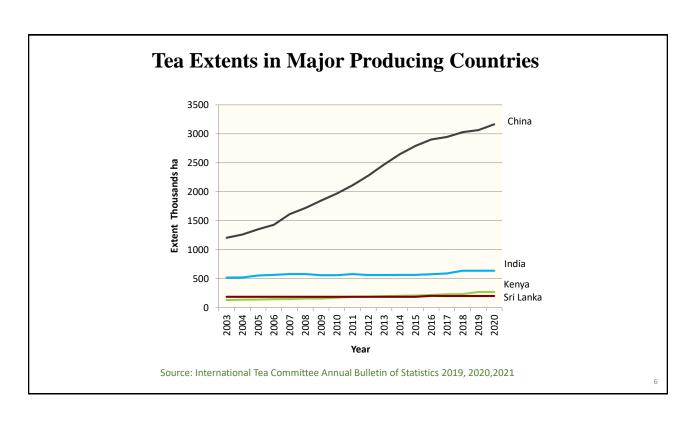
Tea Production Decline since 2013

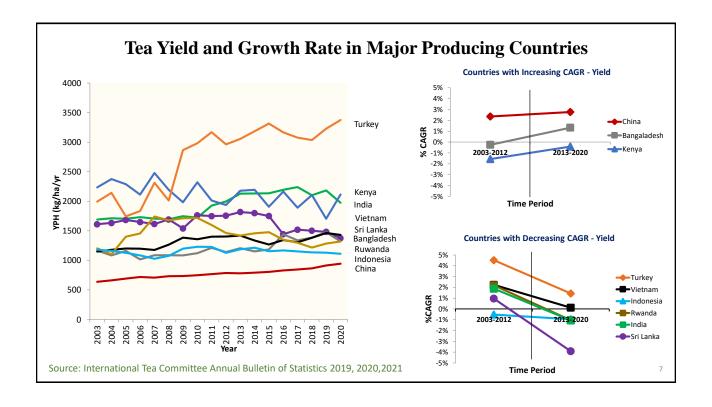
- 1. To find out evidences for tea national tea production decline since 2013
- 2. To identify possible reasons for the national tea production decline
- 3. To recommend appropriate interventions/strategies to arrest the situation

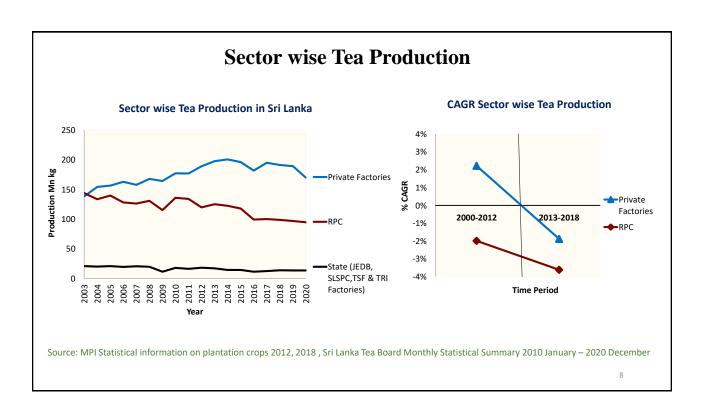
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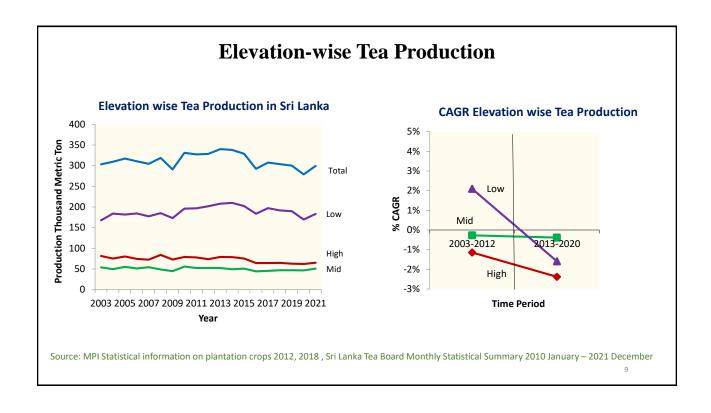


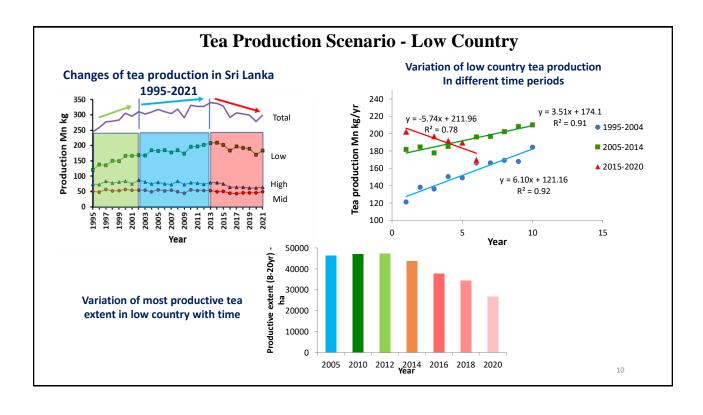


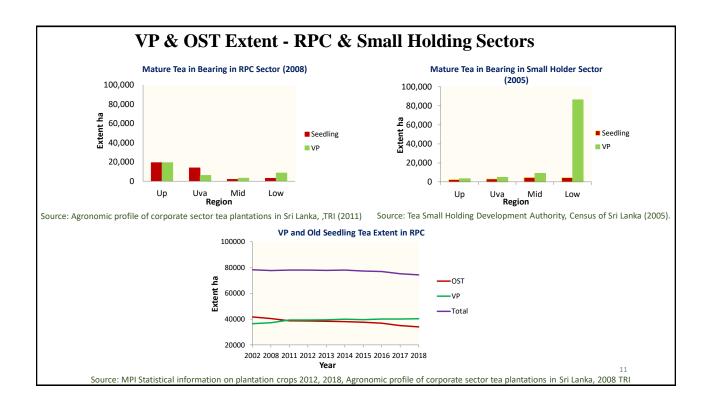






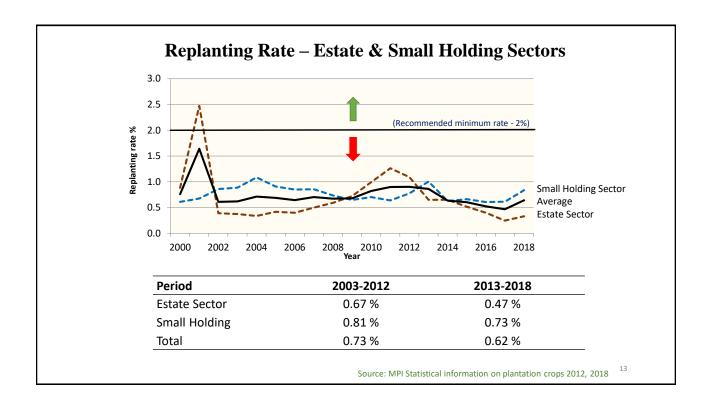


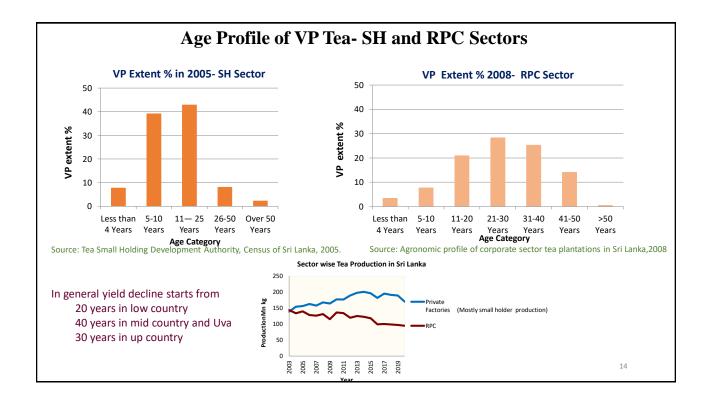


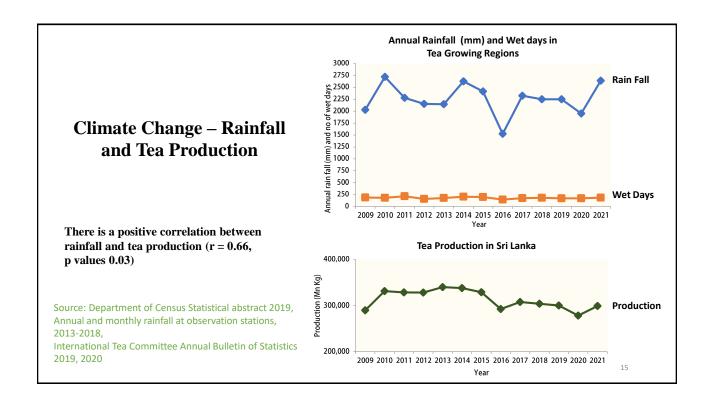


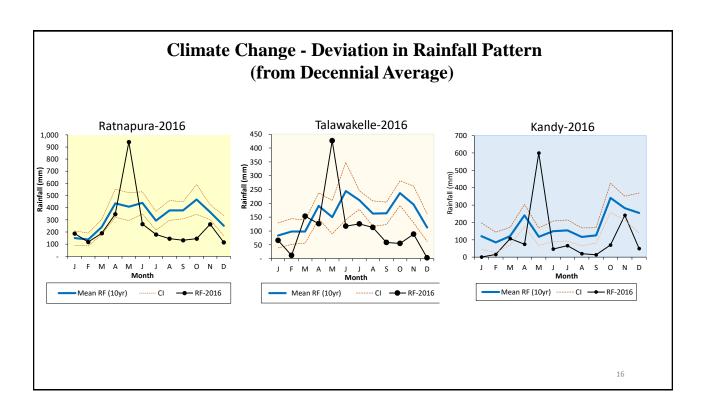
Major Factors Related to Tea Production Decline

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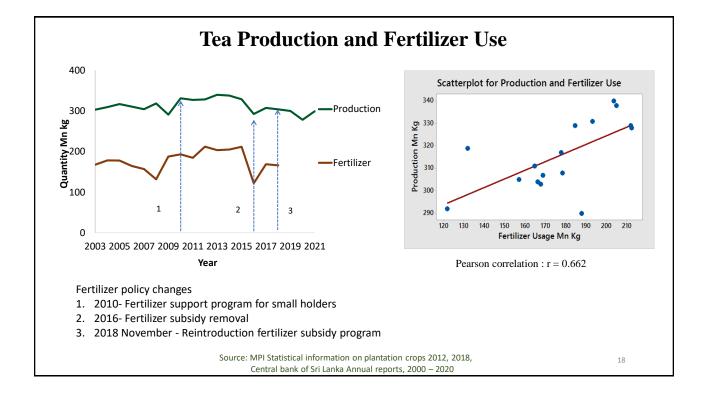
Climate Change - Annual Mean Temperature Variation since 1960

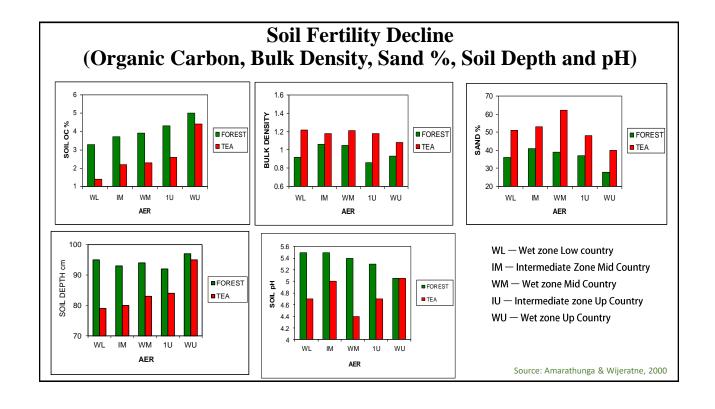
I andian	Annual (°C / yr)		
Location	Max	Min	
Badulla	0.028*	0.010*	
Bandarawela	0.020*	0.026*	
Galle	0.024*	0.020*	
Katugastota	0.015*	0.013*	
Nuwara Eliya	-0.001	0.023*	

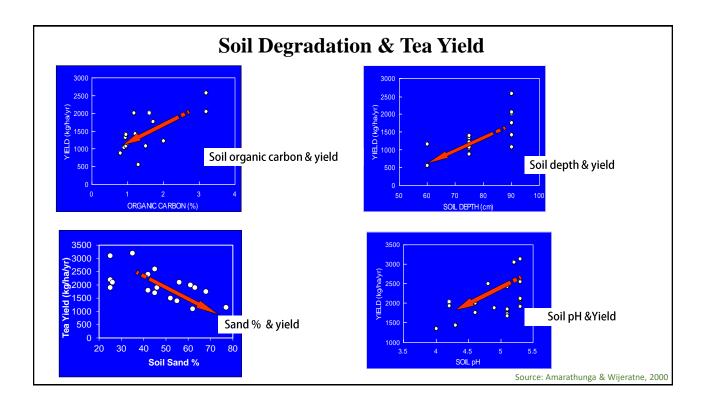
Mean temperature increased by 0.5-1.4 °C /50 yr

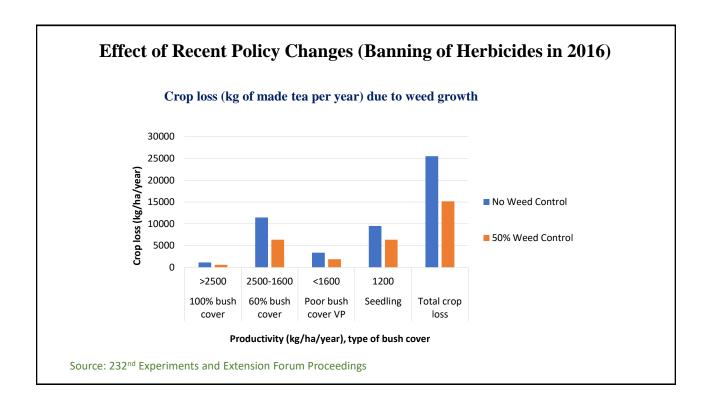
Source: Wijeratne & Lalith Chandrapala, 2013

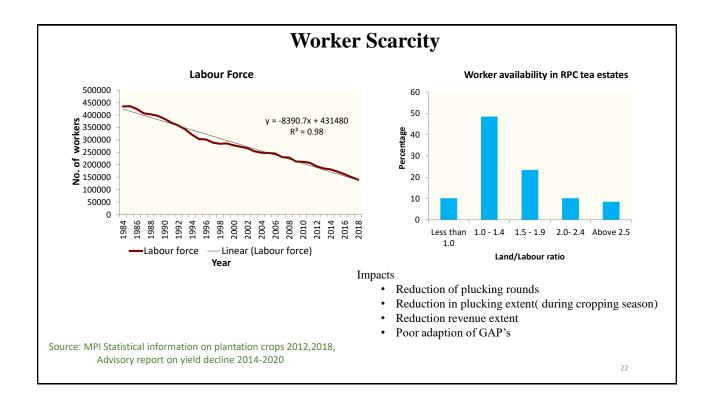
17

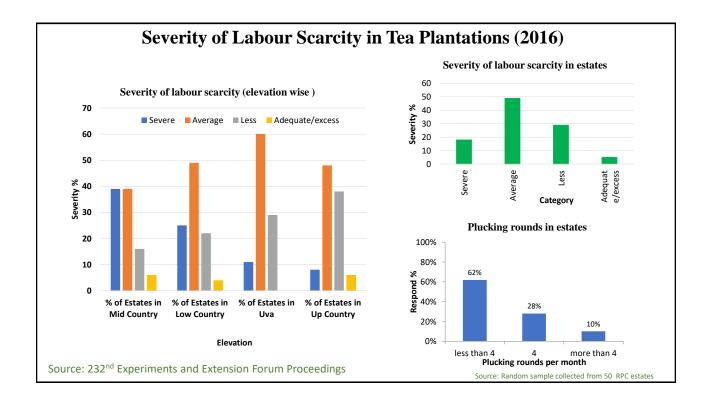


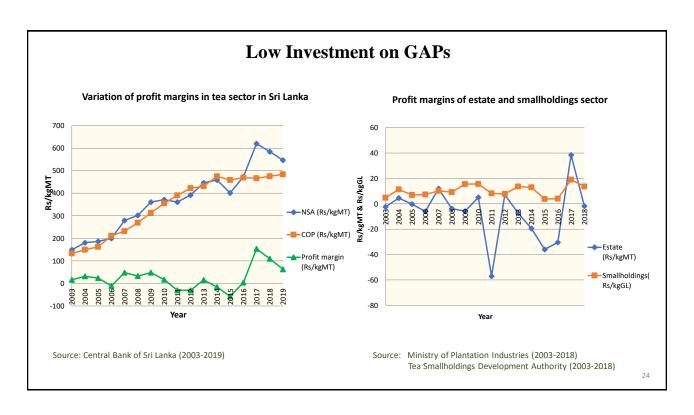


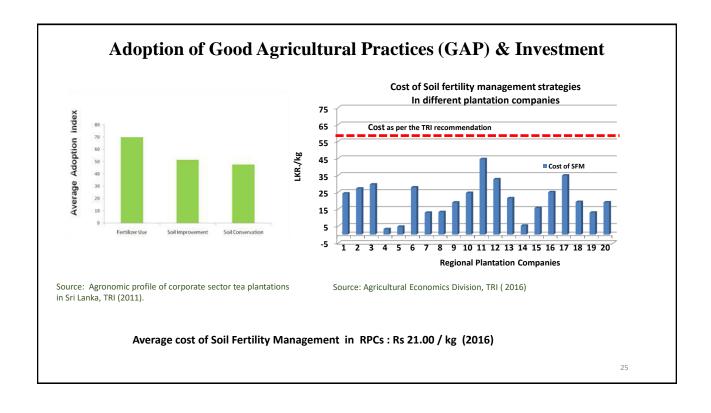


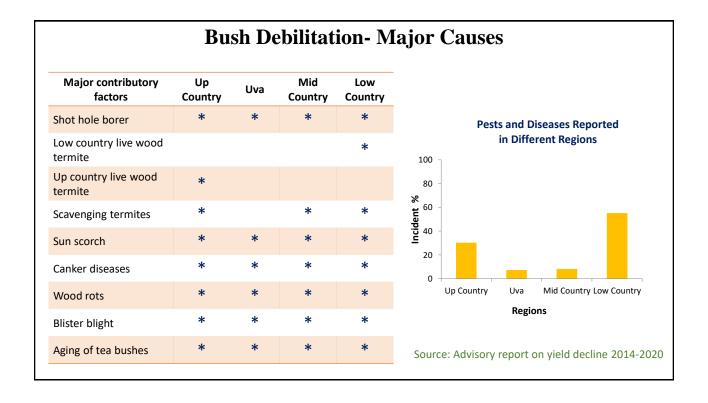


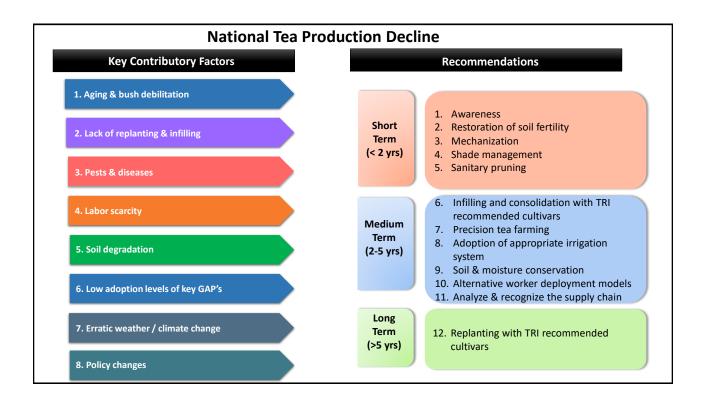












Recommendations to Arrest National Tea Production Decline			
Contributory Factors	Short Term (<2 yrs)	Medium Term (2-5 yrs)	Long Term (>5 yrs)
1. Aging & bush debilitation	Restoration of soil fertility Sanitary pruning Shade management Adoption of GAPs	Infilling & consolidation with recommended cultivars	Replanting with recommended cultivars
2. Lack of replanting & infilling		Infilling & consolidation with recommended cultivars	Replanting with recommended cultivars
3. Pests & diseases	Awareness Adoption of GAPs Shade management	Sanitary pruning Culling and infilling Precision tea farming	Replanting with recommended cultivars
4. Labor scarcity	Awareness Mechanization	Alternative worker deployment models Precision tea farming Analyze & recognize the supply chain	
5. Soil degradation	Restoration of soil fertility Adoption of GAPs	Soil & moisture conservation Precision tea farming	
6. Low adoption of key GAP's	Awareness	Investment on GAPs	
7. Erratic weather / climate change	Restoration of soil fertility Shade management	Adoption of appropriate irrigation system	Replanting with recommended cultivars Improved seedlings
8. Policy changes	Restoration of soil fertility	Adoption of GAPs	

