

# Meet our PhD student...



**Harsha**  
Halgamuwe Hewage

**📍 from Nuwara Eliya, Sri Lanka**

Renowned worldwide for its premium tea,  
where nature and flavor meet at the heart of  
the highlands.

## PHD TOPIC

# Forecasting Improvements in the Family Planning Supply Chain.

## OVERALL AIM

Harsha's project introduces a novel forecasting and inventory management approach designed to tackle uncertainties in data and demand. By integrating innovative probabilistic forecasting with a robust inventory framework, he aims to minimize stockouts and ensure consistent contraceptive availability in developing countries.

## FUNDER



**Welsh Graduate School for the Social Sciences (WGSSS)**

## SUPERVISION TEAM



### Prof. Bahman Rostami-Tabar

Professor of Data-Driven Decision Science  
Director, Data Lab for Social Good, Cardiff University



### Prof. Aris Syntetos

Professor of Decision Science  
Founder and Director, PARC Institute of Manufacturing, Logistics and Inventory



### Dr. Federico Liberatore

Senior Lecturer in Data & Knowledge Engineering, School of Computer Science and Informatics, Cardiff University

## COLLABORATOR

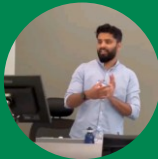


### Glenn Milano

Advisor for Demand Planning and Analytics - Global Health Supply Chain, Bureau for Global Health, United States Agency for International Development

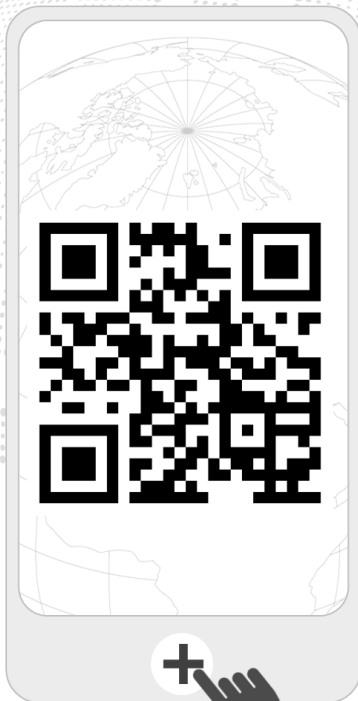
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It is all about making a real difference in the family planning supply chain. I'm focused on solving those tricky forecasting issues to ensure contraceptives are always available. The reality is, over 218 million women in developing countries have an unmet need for family planning. My work is aimed at changing that and making a positive impact on their lives.



## Harsha

2<sup>nd</sup> year PhD student,  
Data Lab for Social Good,  
Cardiff Business School, Cardiff University.



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