

Supply Chain Analysis for a Thermostable Peste des Petits Ruminants Vaccine in Karamoja, Uganda

Introduction

- Peste des Petits Ruminants (PPR) is a highly infectious viral disease of small ruminants and wildlife in Africa and Asia.
- Morbidity & mortality rates can be up to 80-100%.
- Karamoja is a high risk area, with many pastoralist communities depending on small ruminants as a source of income and sustenance.
- Losses due to PPR are around 2 billion dollars a year, affecting the poorest of farmers in the world, increasing food insecurity.
- There is no market for PPR vaccines in Karamoja, the only time small ruminants get vaccinated is with government- or NGO-led programs.
- A supply chain are the processes involved in the production and distribution of a commodity, in this case the PPR thermostable vaccine.

Objectives

- Assessment of the logistical perspective of the thermostable PPR vaccination strategy. Provide a diagnostic of the logistical challenges and ways to improve them for future vaccination programs in the Karamoja.
- Enhance understanding of the role of community animal health workers (CAHWs) in the vaccination program. Determine the sustainability of CAHWs in low income settings where there are financial constrictions.
- Identify constraints in the supply chain. Identify possible bottlenecks, measure lead-time in different levels of the supply chain, determine optimal inventory levels and economic order quantities.

Methodology

Research Location: Karamoja, Uganda Data collection:

Production and Logistic Analysis	Number of Int
Focus Group Discussions with CAHW	43
Focus Group Discussions with Livestock Keepers	41
Interview with Veterinary Shop Owner	3
Interview with Veterinary Officers	2
Interview with District Veterinary Officers	2
TOTAL	91

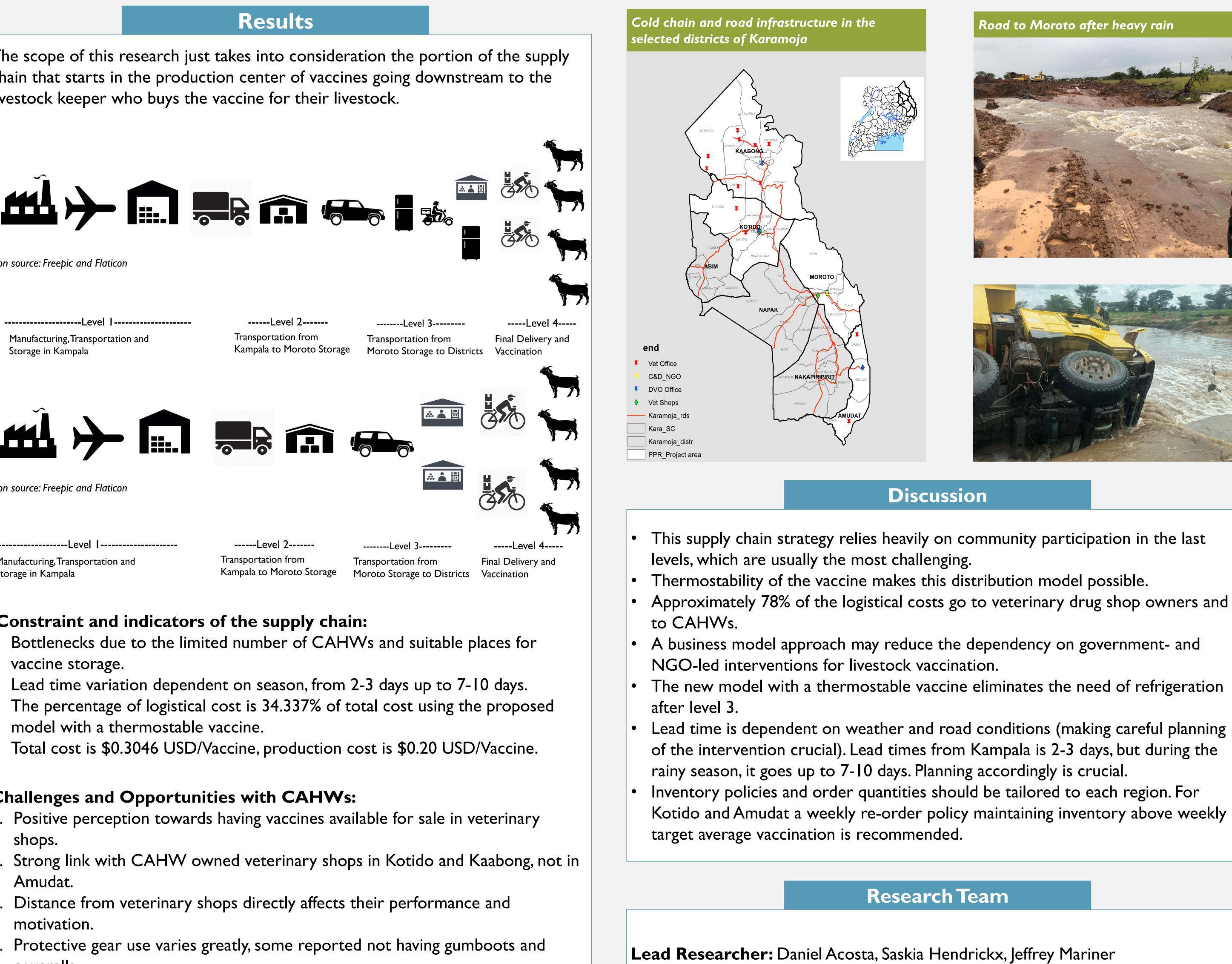


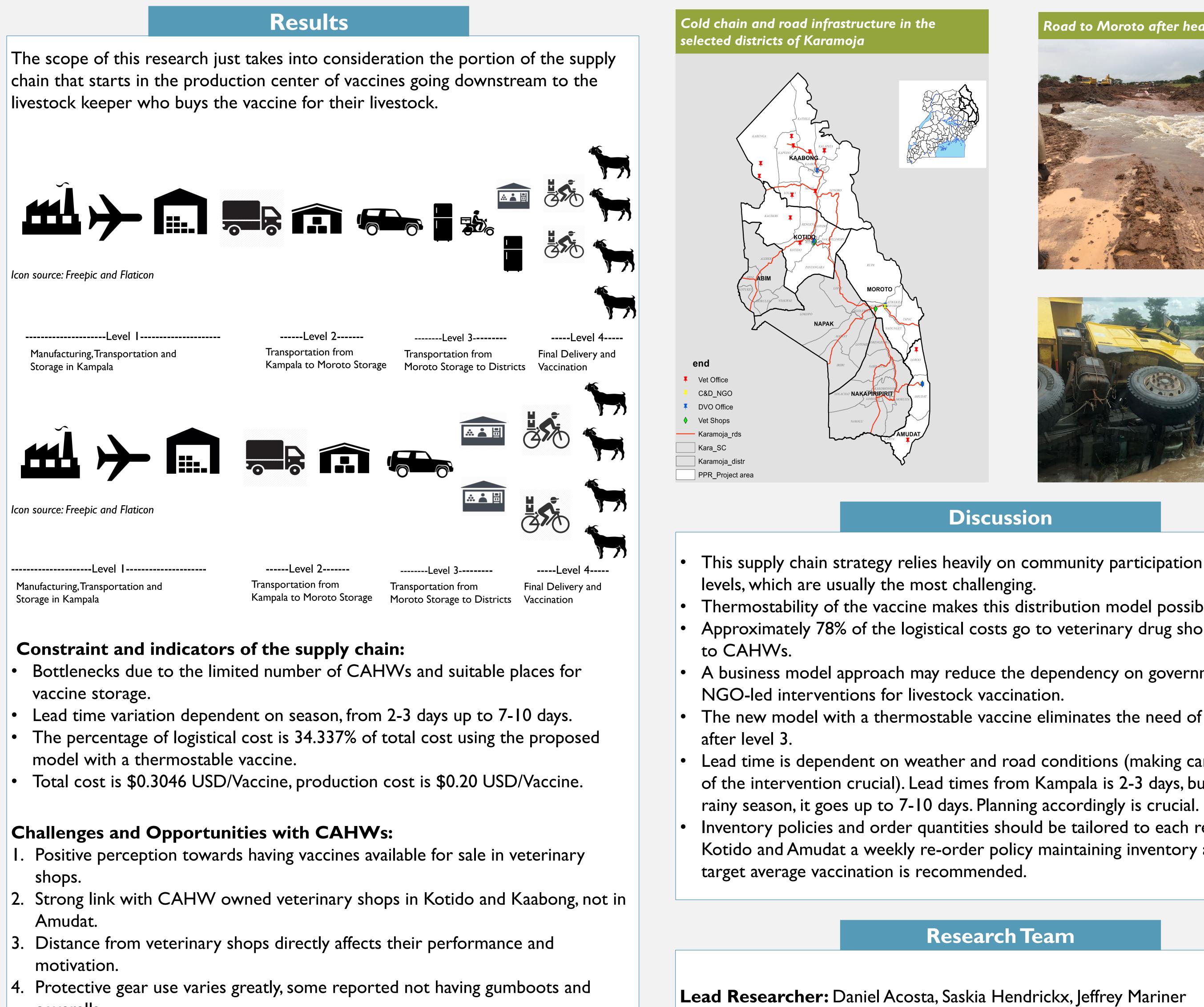


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- coveralls.
- 5. Education is needed for livestock keepers on the purpose of vaccines prevention vs. treatment.



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