Marprice: a system for farmers in rural Africa to retrieve the latest market prices

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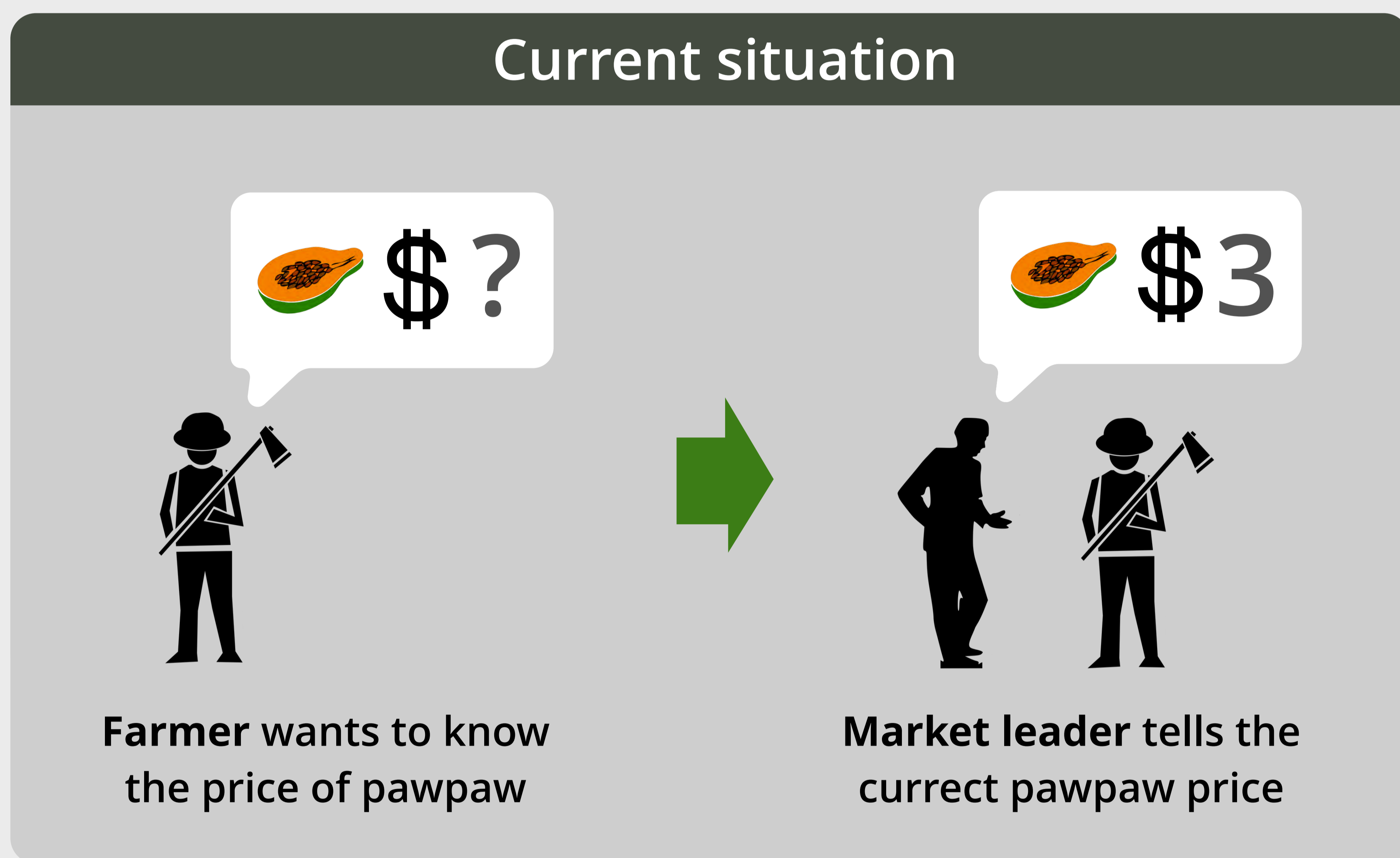
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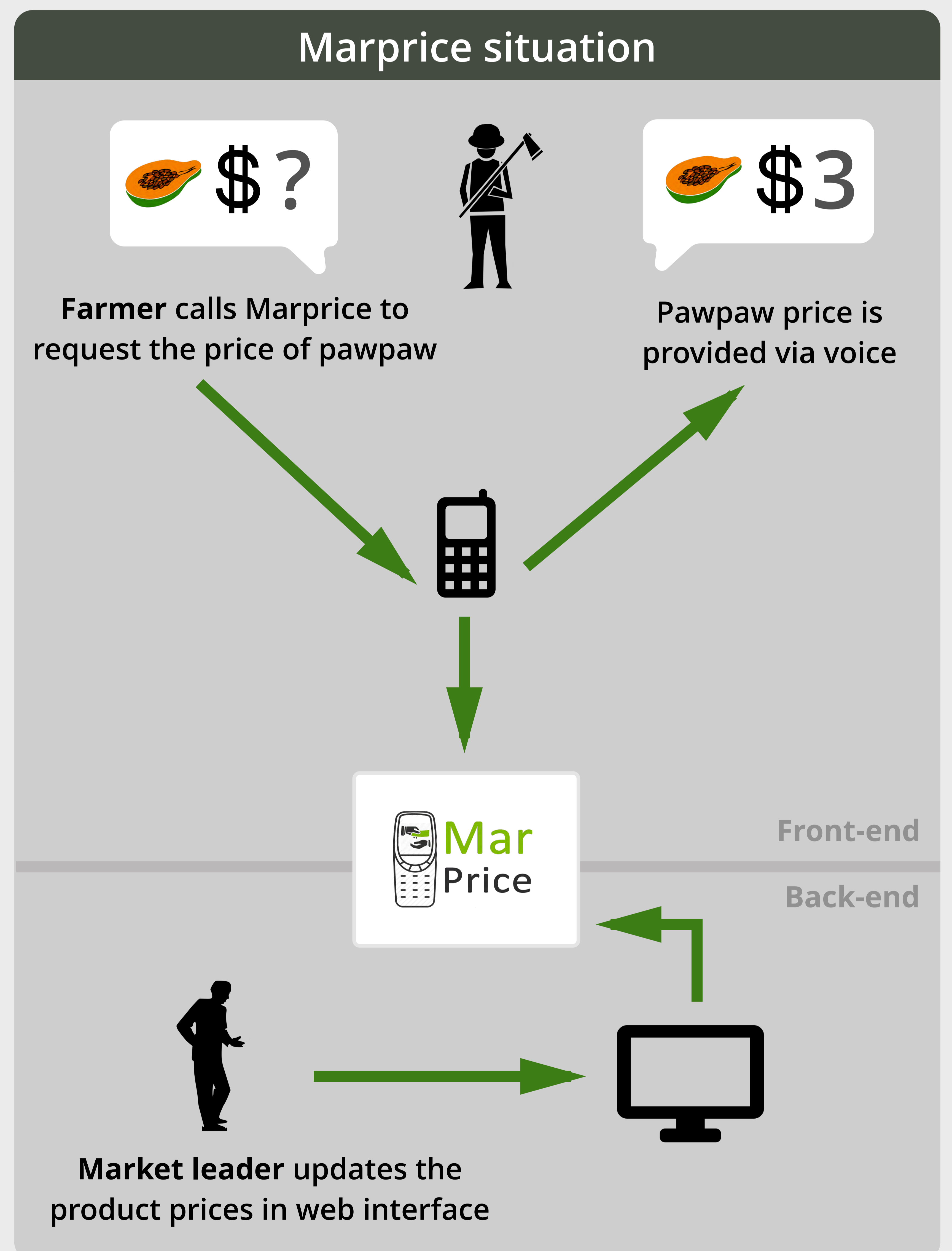Part of the ICT4D 2018 course at VU Amsterdam

Problem

Farmers in rural Ghana are dependent on a **market leader** in order to retrieve the latest market prices. The farmers need to physically meet the market leader which is **time consuming** and **not accurate**.
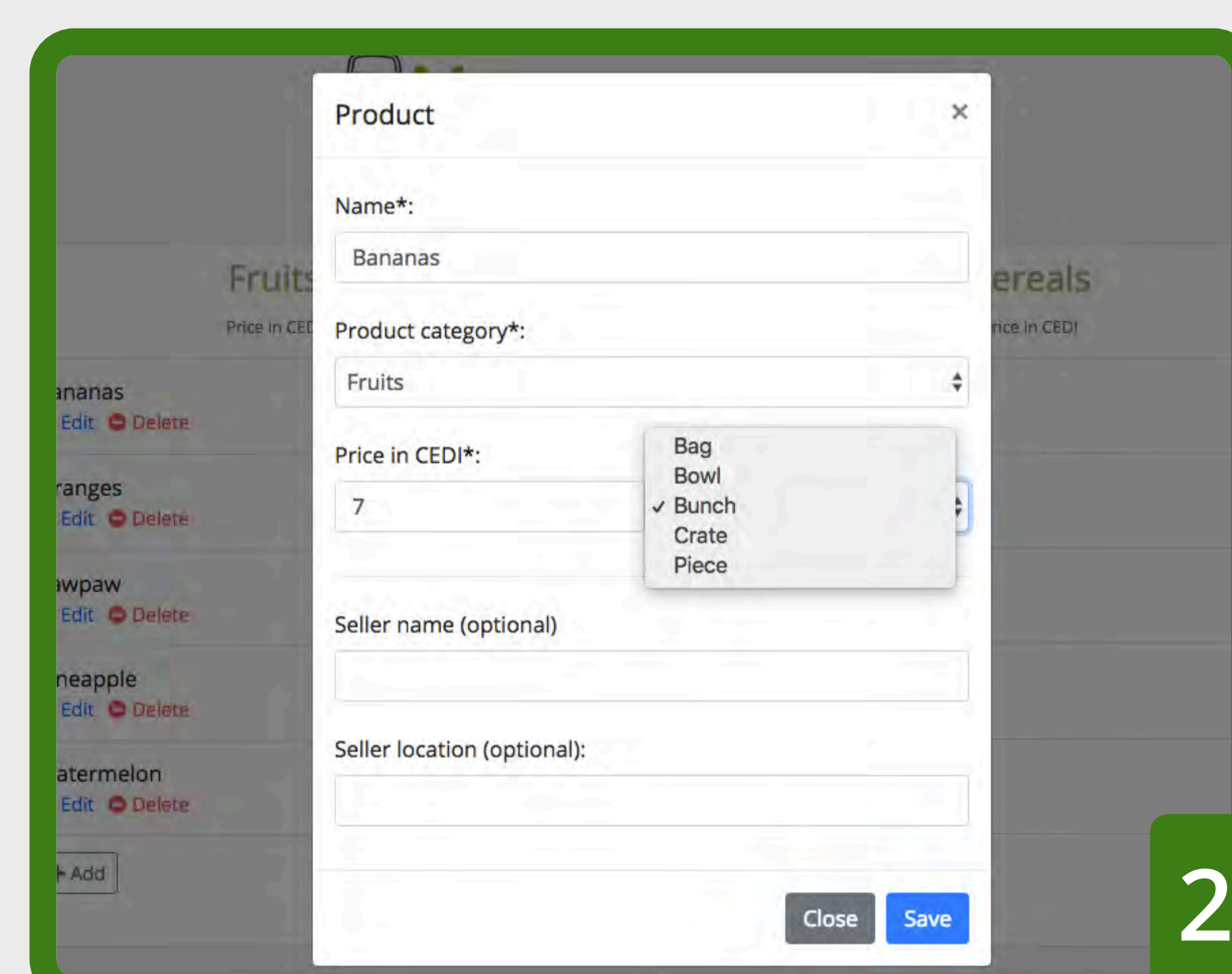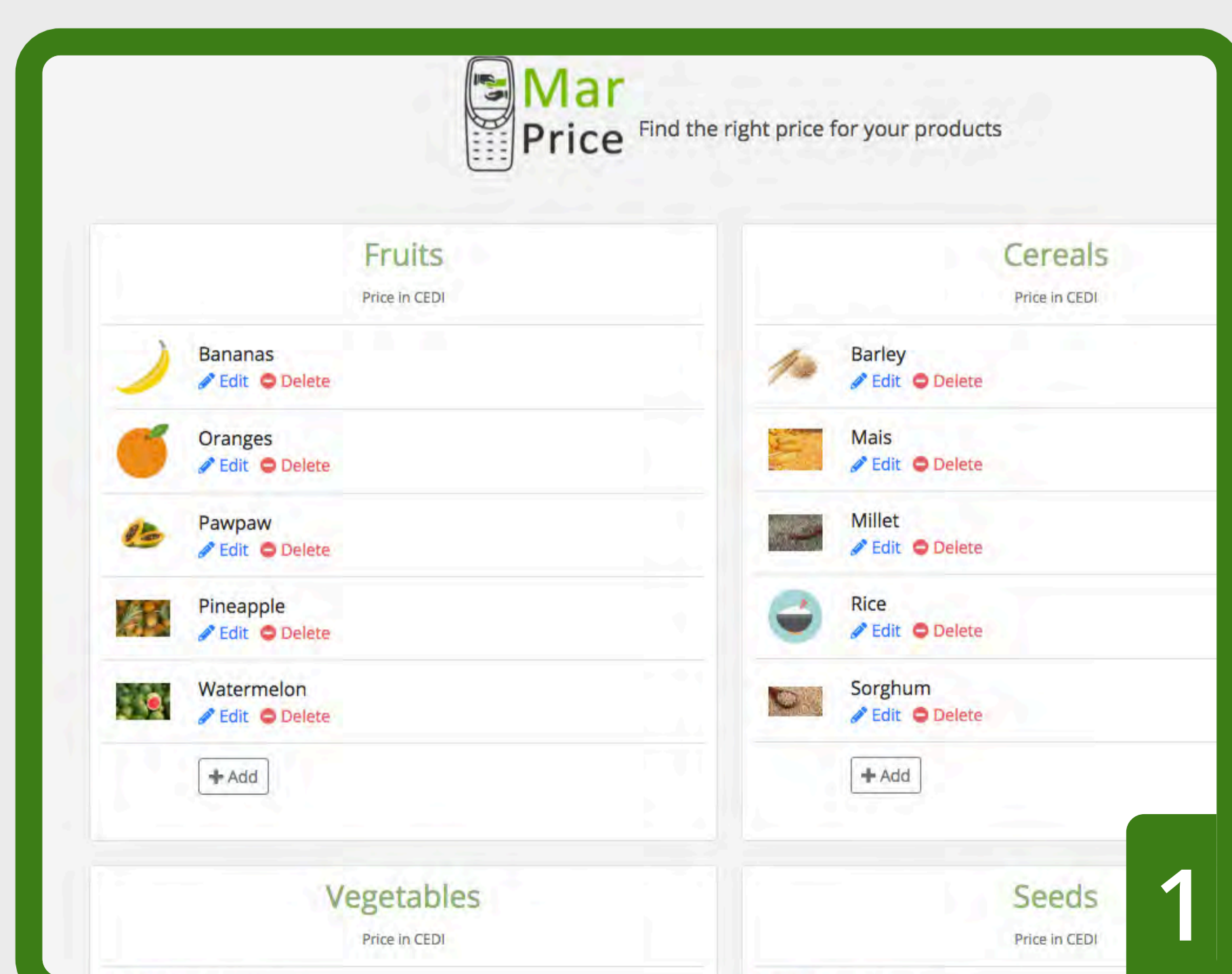
Current situation

Farmer wants to know the price of pawpaw

Market leader tells the currect pawpaw price

Marprice situation

Farmer calls Marprice to request the price of pawpaw

Pawpaw price is provided via voice

Front-end

Back-end

Market leader updates the product prices in web interface

Solution: Marprice

Marprice, provides the farmer an interface (via either voice or the web) to retrieve the latest market prices. Market leaders can keep the prices up-to-date via a web interface. Marprice runs on the Kasadaka platform (using a Raspberry Pi and GSM dongle). The whole system can run without internet connection.

Mar Price

1) Market leader web interface

2) Market leader updates product price

Try the online market yourself

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