

**Bee's Tea**



# What's The Buzz?

- AUTONOMOUS COMMUNITY OF BEEHIVES RUNNING ON BLOCKCHAIN
- BEES OWN THEMSELVES AND KEEP TRACK OF THEIR ANALYSIS RESULTS
- EACH BEEHIVE MAKES ITS OWN DECISIONS ON:
  - WHERE IT WANTS TO GROW
  - HOW IT WANTS TO SPEND ITS MONEY
  - ITS MAINTENANCE



# PLANTOID



PLANTS NEED BEES TO REPRODUCE THEMSELVES... PLANTOIDS NEED HUMANS...  
SEND BITCOIN TO THE PLANTOID, SO IT CAN HIRE AN ARTIST TO REPLICATE ITSELF

# A BIONIC CREATURE

THE PLANTOID IS THE PLANT EQUIVALENT OF THE ANDRO

“BLOCKCHAIN-BASED LIFEFORMS” THAT ARE:

1. AUTONOMOUS
2. SELF-SUSTAINABLE &
3. CAPABLE OF REPRODUCING THEMSELVES



# A BODY & A SPIRIT

A PLANTOID IS COMPOSED OF 2 ESSENTIAL COMPONENTS:

1. THE **BODY** OF THE PLANTOID
2. THE **SPIRIT** OF THE PLANTOID



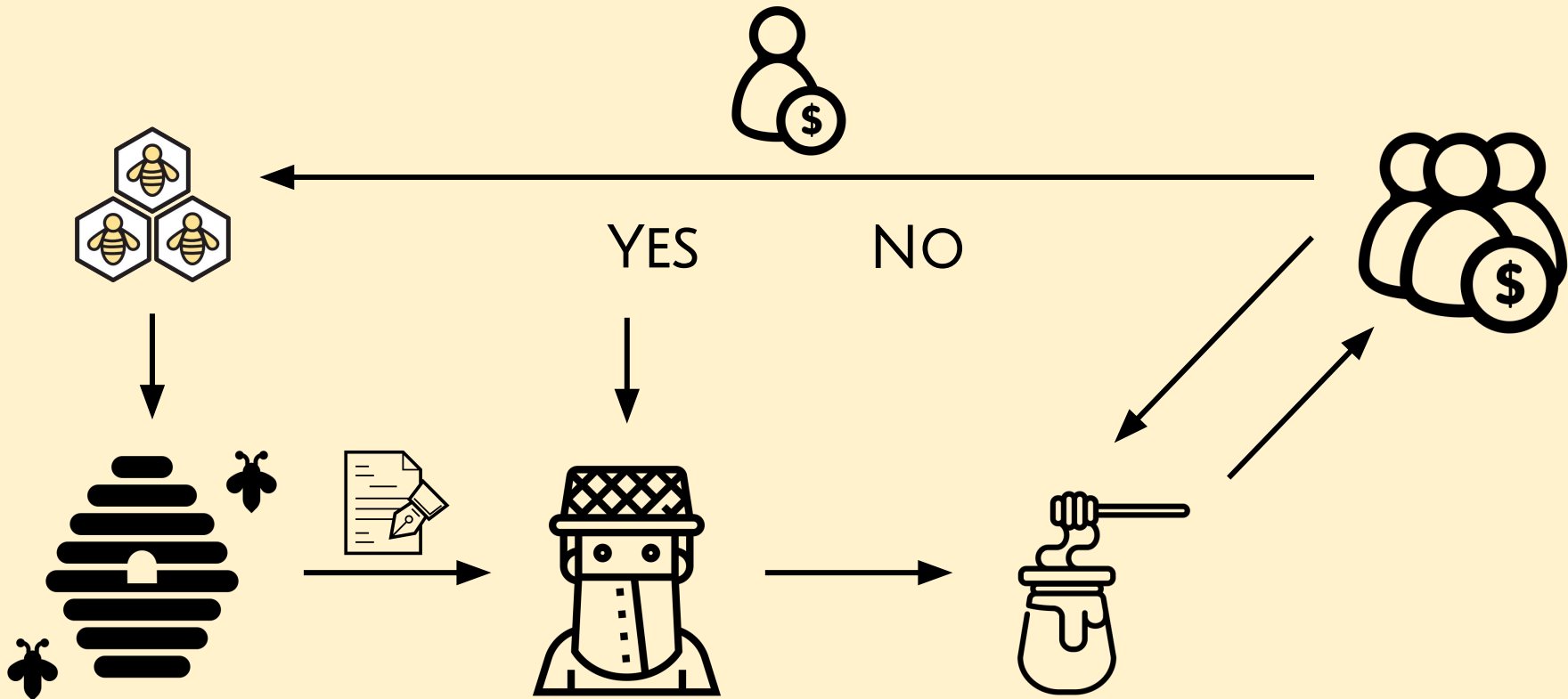
# HUMAN-AIDED REPRODUCTION

THE REPRODUCTION OF A PLANTOID CAN BE DISTINGUISHED  
IN 3 PARTS:

1. CAPITALIZATION PHASE
2. MATING PHASE
3. HIRING PHASE



**How Does This Work?**





# **Information / Transaction Flow**

- **BEE TO BEE INTERACTIONS / INFORMATION FLOW**

- QUEEN PHEROMONES
- WORKER BEES COMMUNICATE WHERE THEY FOUND POLLEN/NECTAR/WATER
- WHEN A WORKER BEE STINGS IT PRODUCES PHEROMONES THAT LET OTHER BEES IN THE AREA KNOW THERE IS A THREAT

- **BEE TO BEEKEEPER INTERACTION / INFORMATION FLOW**

- BEEKEEPER ANALYSIS THE HONEY / AMOUNT OF HONEY
- INTRODUCE NEW QUEEN IF NECESSARY
- HARVEST HONEY
- BEEKEEPERS PREP BEES WINTER AND TAKE CARE OF DISEASE
- HUMANS MOVE BEES AROUND

- **BEE TO HUMAN INTERACTION / INFORMATION FLOW**

- BEES POLLINATE AGRICULTURE AND FLOWERS
- BEES PRODUCE HONEY WHICH IS AN INDUSTRY IN AND OF ITSELF
- HUMANS USE PESTICIDE THAT KILL OFF HIVES
  - ENVIRONMENTAL HEALTH

# ***Maintenance***

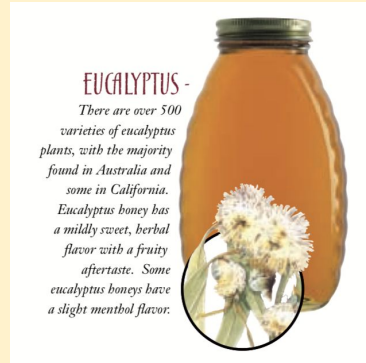
- **IMPLEMENTATION**
  - HIRES A BEEKEEPER WITH A SMART CONTRACT
  - INITIAL START UP COSTS OF HIVE
- **INPUT INFORMATION**
  - STATE OF THE QUEEN
  - HOW MANY FRAMES ARE FULL OF HONEY OR POLLEN
- **SPLITTING THE HIVE (GOAL)**
  - BEEKEEPERS ARE PAID TO MAINTAIN THE HIVE
- **IF THE HIVE DIES**
  - FAULT OF BEEKEEPER, THEY WON'T BE HIRED AGAIN
  - FAULT OF ENVIRONMENTAL FACTORS OR OTHER, THEN BEEKEEPER CAN BE HIRED AGAIN

# Our Hives / Locations

- **INITIAL LOCATION**
  - CHECK WITH COMMUNITY GARDENS BASED IN THE DENVER METRO AREA
    - CLOVER?
- **FUTURE LOCATION FACTORS**
  - HONEY TYPE
  - TEMPERATURE (58 - 99 DEGREES F)
  - MOISTURE
  - NECTAR SOURCES
  - WATER SOURCE
- **LOCATION CHOICE PROCESS**
  - CONTACT BEEKEEPING ASSOCIATIONS

# Types of Honey

- RAW VS PROCESSED
  - RAW IS PREFERABLE FOR US, BUT LAB RESULTS MAY FORCE PROCESSING
- CLOVER OR ACACIA AS FIRST TYPES
  - VERY GOOD WITH TEA
- MANY DIFFERENT TYPES OF HONEY
  - [HTTPS://WWW.BJCP.ORG/MEAD/FLORAL\\_GUIDE.PDF](https://www.bjcp.org/mead/floral_guide.pdf)
- ONLY PURSUE TYPES OF HONEY THAT CAN BE MADE WITH NATIVE OR NATURALIZED (NON-INVASIVE) SPECIES
- WILL DETERMINE CARE PACKAGE THEME!





# **Our Care Packages**

- BASED ON TYPE OF HONEY PROVIDED IN THE PACKAGE
- CLOVER
  - LEMON AND MINT TEAS ALONG W/ GREEN TEA
  - MINT CHOCOLATE BARS
  - CUTE FOUR-LEAF CLOVER PACKAGING
  - COOKIES
- COFFEE BLOSSOM
  - BARLEY TEA
  - COFFEE PACKETS
  - DARK CHOCOLATE PASTRIES
  - COFFEE FLAVORED TREATS



# Stakeholders

- CURRENT BEEHIVE OWNERS
- AGRICULTURAL FARMERS
  - DON'T HAVE TO RELY AS HEAVILY ON BEE TRANSPORT
  - DON'T HAVE TO PAY FOR BEE POLLINATORS
- INVESTORS
  - THEY GET CARE PACKAGES IF THEY INVEST A CERTAIN AMOUNT
- BEEKEEPERS
  - CAN GET PAYED TO MAINTAIN THE BEES RATHER THAN JUST DO IT AS A HOBBY

# Environmental Impact

- COMBAT BEE DECLINE
- PROPAGATING ORGANIC BEEKEEPING
- HONEYBEES AS BIOINDICATORS OF ENVIRONMENT
  - POLLUTION
  - PESTICIDES
  - TOXIC PLANT SUBSTANCES
- KEEP TRACK OF BEES & ONGOING ANALYSIS OF HIVE
  - SMART BEEHIVE



# Works Cited

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