

Apiculture/bee keeping production value chain



Sector:- Agriculture

Sub sector:- Animal production

Apiculture/bee keeping production value chain
at Farta worda

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OBJECTIVE

Generally, the study was conducted to determine the present farming practices in bee production at Farta woreda, Amhara region.

Specifically, this aims to:

- to improve and expand apiculture in farta worda
- to introduce the best practice of bee keeping from the developed country to our country
- Discuss the present cultural farming practices in apiculture in farta woreda
- Compare the Value Chain (AS IS) to that of the benchmark.
- Identify the gaps and constraints in attaining high yields.
- Identify and recommend technologies that will improve farmers practice & increase productivity.

- Supporting and demonstrating practical apicultural tools for small holders
- Establish linkages between apiculture farmers and private business
 - capable to transfer technologies appropriate to farmers and work for common benefit
- Development and promotion of non-honey products
- Management of quality in the supply chain and exclusion of impurities--

Facts and figers

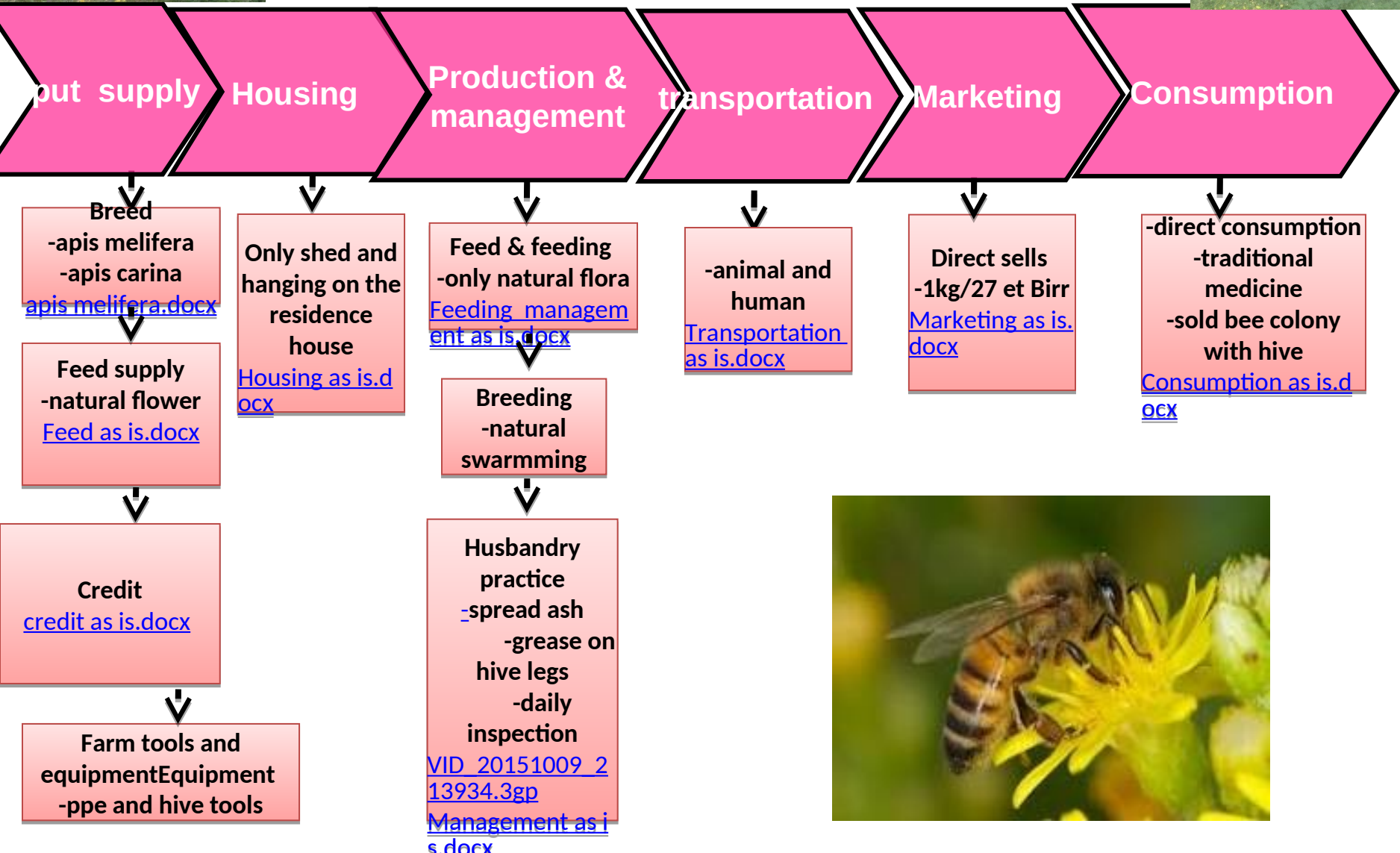
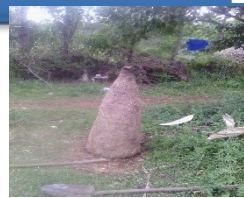
Top 10 World's Honey Producer countries by Volume in MT 2015

china	turkey	USA	ukraine	argentin a	mexico	russia	Iran	Ethiopia	Brazil
398,000	81,115	79,788	70,800	59,000	55,684	54,000	47,000	45,300	44,600



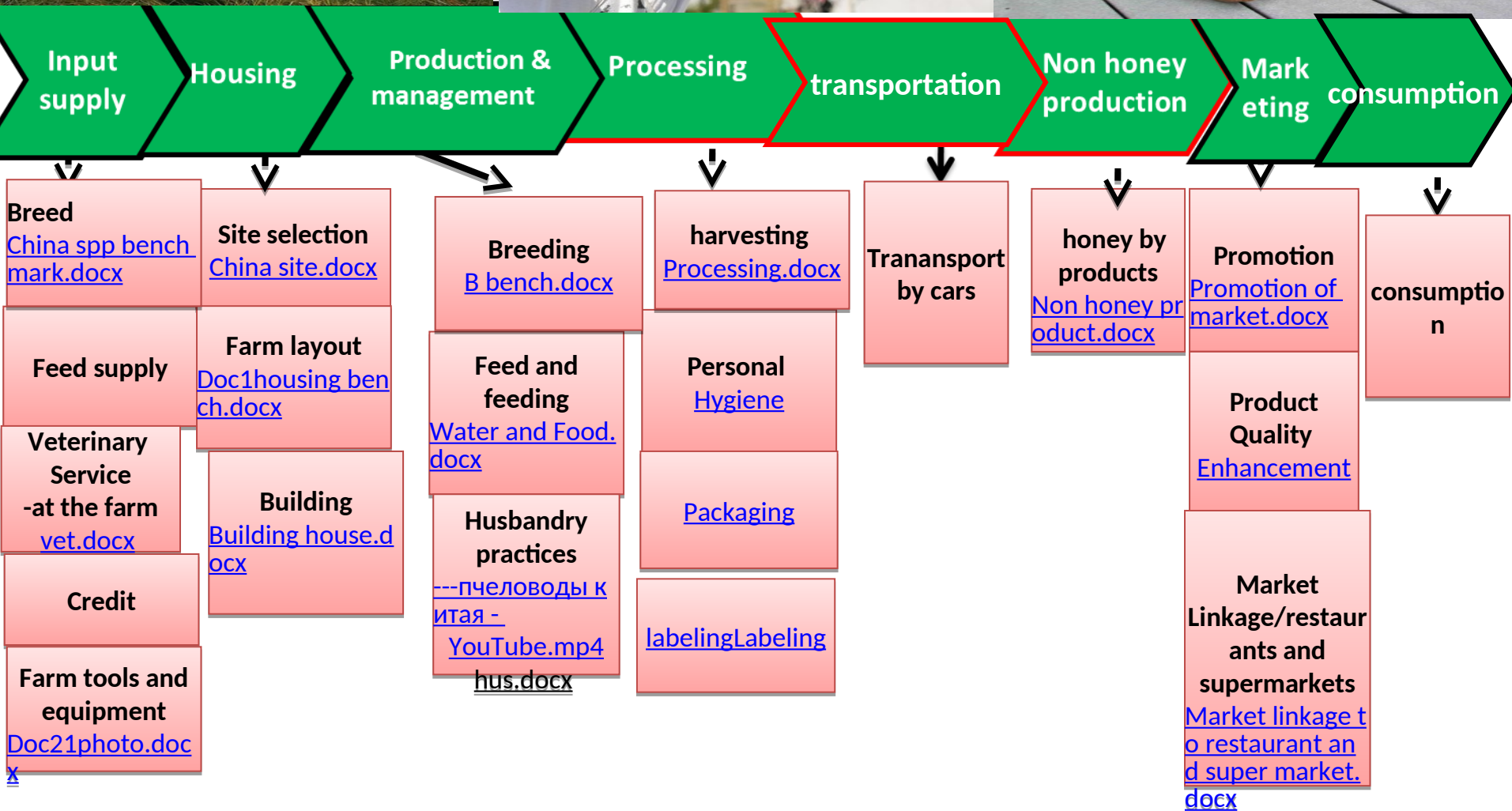
Agriculture:-Apiculture production value

AS IS



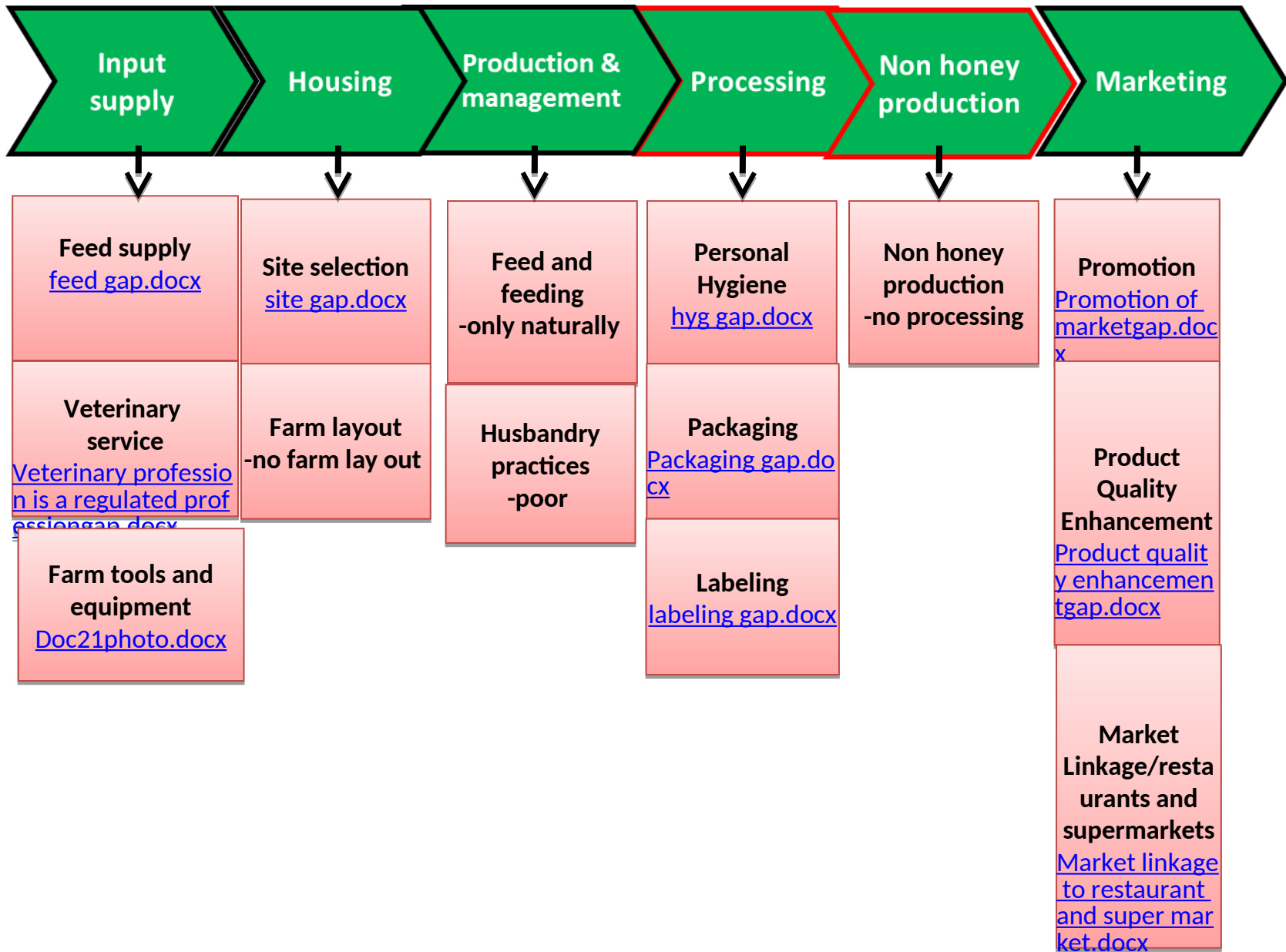
Agriculture:-Apiculture production value chain

TO BE
China



Agriculture:-Apiculture production value

Gap

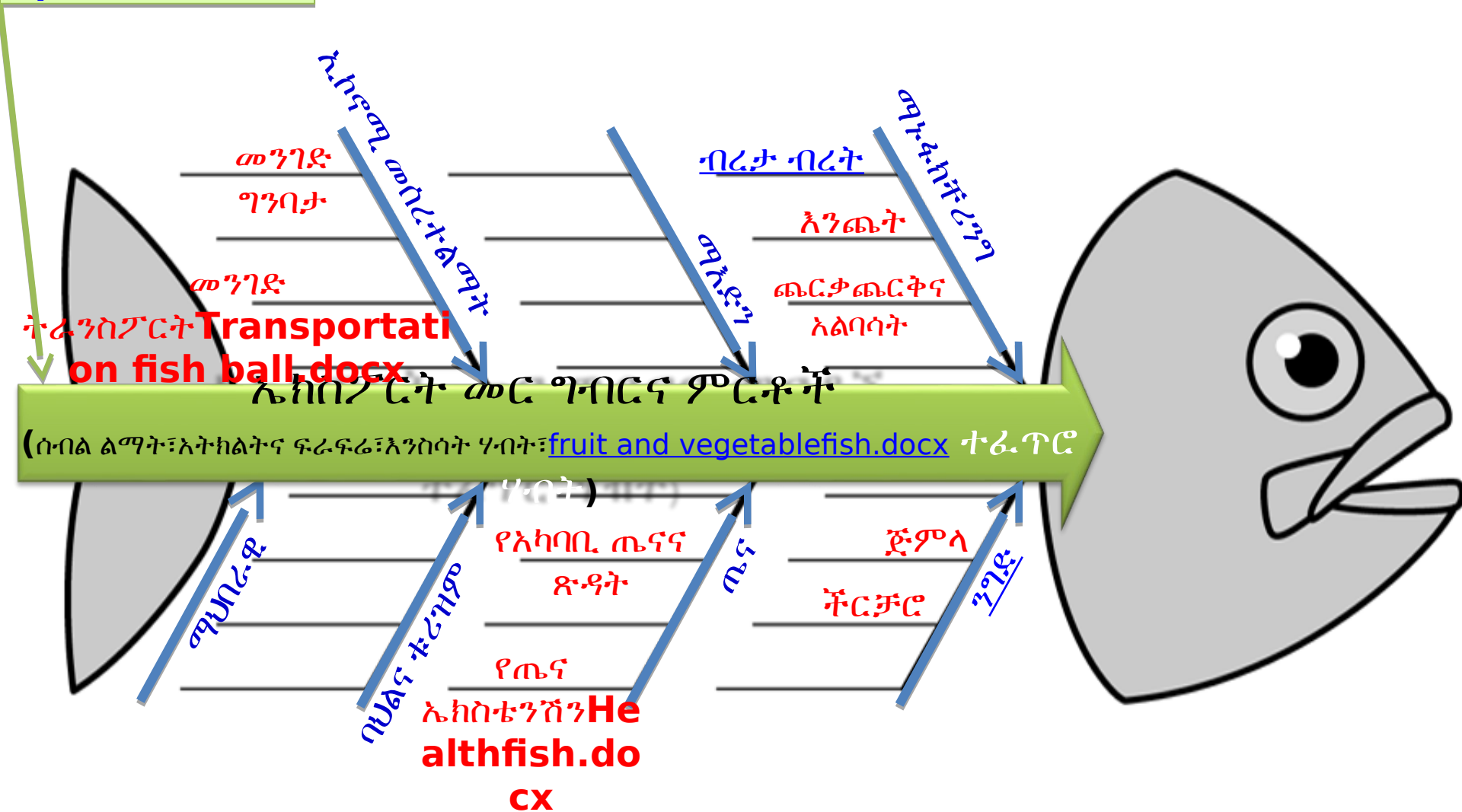


Agriculture:- Identified technologies

Activities	Techno-ware	Human-ware	Info-ware	Orga-ware
Feeding material	-Federer -waterer	-skilled man power	Feeding manual i0842e	bee farm layout
Honey processing	-extracter -packing material	bee product processing technique	Processing unit honey_processing.pdf	-market linkage
breeding	-grafting needle	bee raising competency	Genetics and breeding manuals Honeybee Species Diversity in Chinese Himal ayas.pdf	-grafting house
transferring of bee colony	-casting mold -hive -transformer -smoker -brush	Bee management competency farming for bee s_guidelines_xerc es_society.pdf	Bee production manual National Bee keeping train ing and extension manual 2.pdf 02.pdf	Apiary site choosing an ap site b11_1306 400.pdf

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Agriculture:- Apiculture production value

Changes come by best practice

No.	Indicators	Unit	Best experience	AS IS
1	honey/kg/hive	kg	90	10
2	consumption/year	Kg/person	> 8	0.25
3	type of hive	type	modern	traditional

The result that come by best practice

No.	ሲብራ የሚመጣው (Outputs)	ውጤት (Outcomes)	ለውጥ (Impact)
1	Increase farmers productivity	Increase per capita consumption of citizens ፤	Protect citizens health Increase profit gain by honey production
2	Increase the product of honey product	Decreases losses by market fluctuation	Increase profit gain by honey product

Evaluation of the value chain analysis

- Least in honey consumption
- Market barriers b/n buyers and producers
- Low honey yield
- Farmers in farta still use traditional hive
- Lack of technology
- Limitation of public awareness
- No planting flower around apiary site
- Lack of suitable site for apiary production

Constraints contributing to this fact are:

- In adequate technological inputs
- In adequate extension service
- Poor marketing network
- Cultural and traditional practices
- Lack of access to suitable containers for storing, transporting and marketing honey.
- Poor diversity of retail packaging materials.
- Lack of roads.
- Lack of transport.
- Lack of communication possibilities.
- Lack of bargaining power.
- Lack of organizational support.
- Lack of training and technical advice, or poor quality training.
- Poor market access.
- Lack of access to products of sufficient quality.
- Lack of access to products of sufficient quantity.
- No linkages between producers and buyers.
- Lack of access to, or non-availability of credit.
- Poor diversity of retail packaging materials.
- Different buyers having differing quality requirements.

Planning

- ❖ Identify technologies
- ❖ Teach farmers about bee keeping
- ❖ Discusses with stockholders
- ❖ Acquire technologies
- ❖ Make the designee of selected technology
- ❖ Manufacture the technologies- 100% copy
- ❖ Give continues extension service about bee keeping production

Identified technologies and respective sectors

NO	Techno ware	metal	furniture	Automotive	garment
1	-Federerhive and fed.docx -waterer	-Federer -waterer	-Federer -waterer		
2	-extractorextracting.docx -packing material	-body part	-spare part		
3	-grafting needle	-	-		
4	-casting moldcasting mold.docx -transformer -smokersmoker.docx	-body part	-spare part	-transmormer	-spare part
5	-Brushbrush.docx -hivehive and fed.docx	-spare part	-body part		



Thank you



