IoT & ZHC- SDG 2

MIKEL LARRAÑAGA – IK4-TEKNIKER

750M people are undernourished

1 **out of** 4 children are undernourished

1 **out of** 3 children in developing countries

Farming livelihood of **40%** of the population

500M small farms worldwide: **80%** of food

"If we can conquer space, we can conquer childhood hunger."

-Buzz Aldrin

FEED MY STARVING CHILDREN

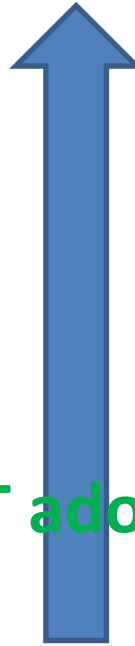Keely Joy Photography, Inc

ZERO HUNGER CHALLENGE

— TRANSFORMING OUR FOOD SYSTEMS TO TRANSFORM OUR WORLD —

Smart farming

Hunger

IoT adoption

Farming

Zero hunger

Affordable systems

Energy non – dependant systems

Universal technological solutions

Meat Use Case: Poultry Chain Management

Efficient poultry production

Monitor and optimize handling and transport

Optimize slaughtering

IK4 TEKNIKER
Research Alliance

Cloud Services

- Poultry Comfort Models & Early Warning Systems
- Category Assessment Models
- Weight Predictor Models
- Manipulation Models

Integra

Scale   Silo

Monitorin
time

laughterhouse
Gateway

laughterhouse
Gateway

(I8)

laughterhouse
DB

laughterhouse
process

FARM   TRANSPORT   SLAUGHTERHOUSE

CHAIN
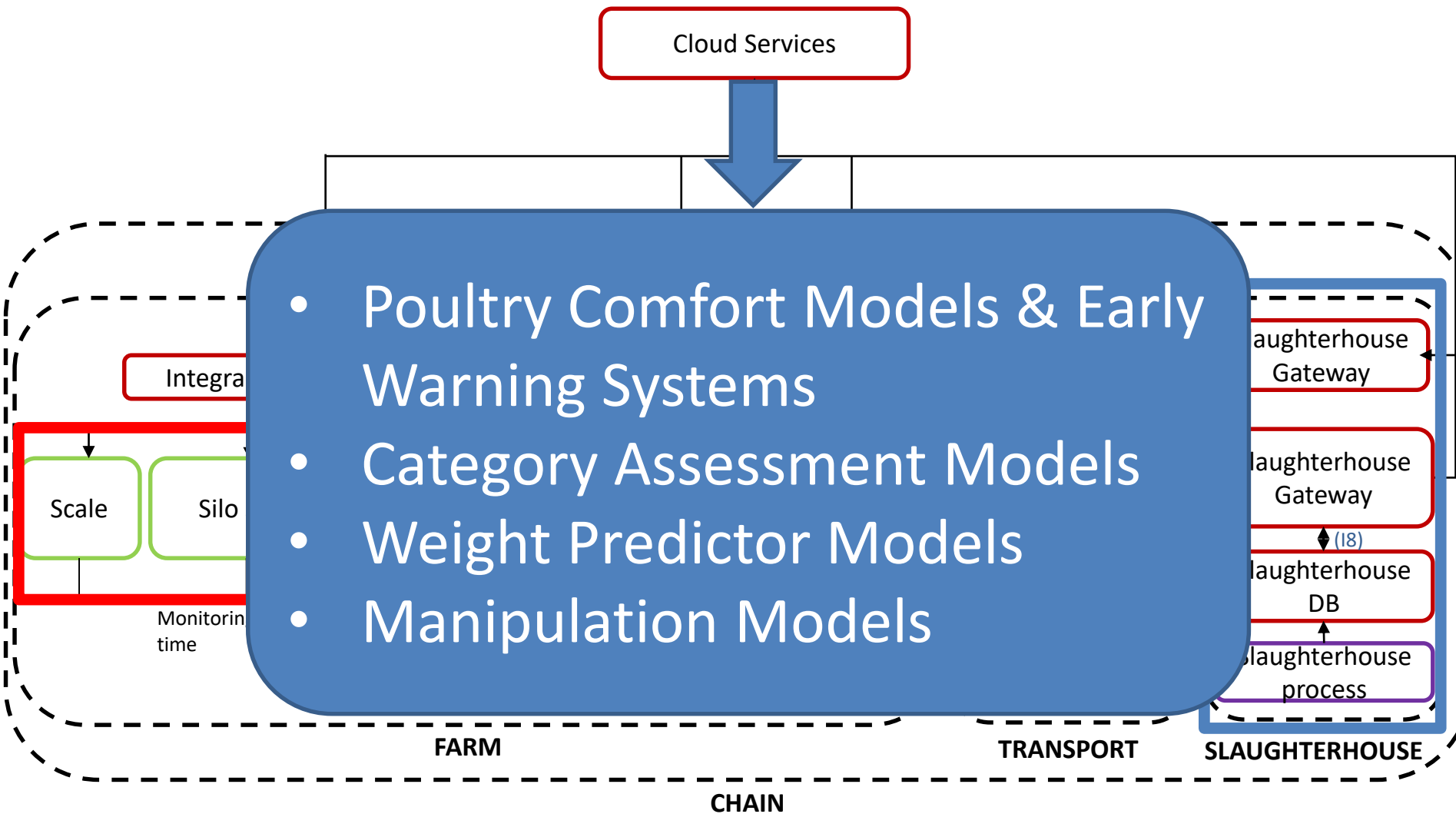
Increase of small producers competitiveness

Encourage local production

Reduction of prices

Better use of natural resources

Adoption of technology

Minimize poultry dead

IK4 TEKNIKER
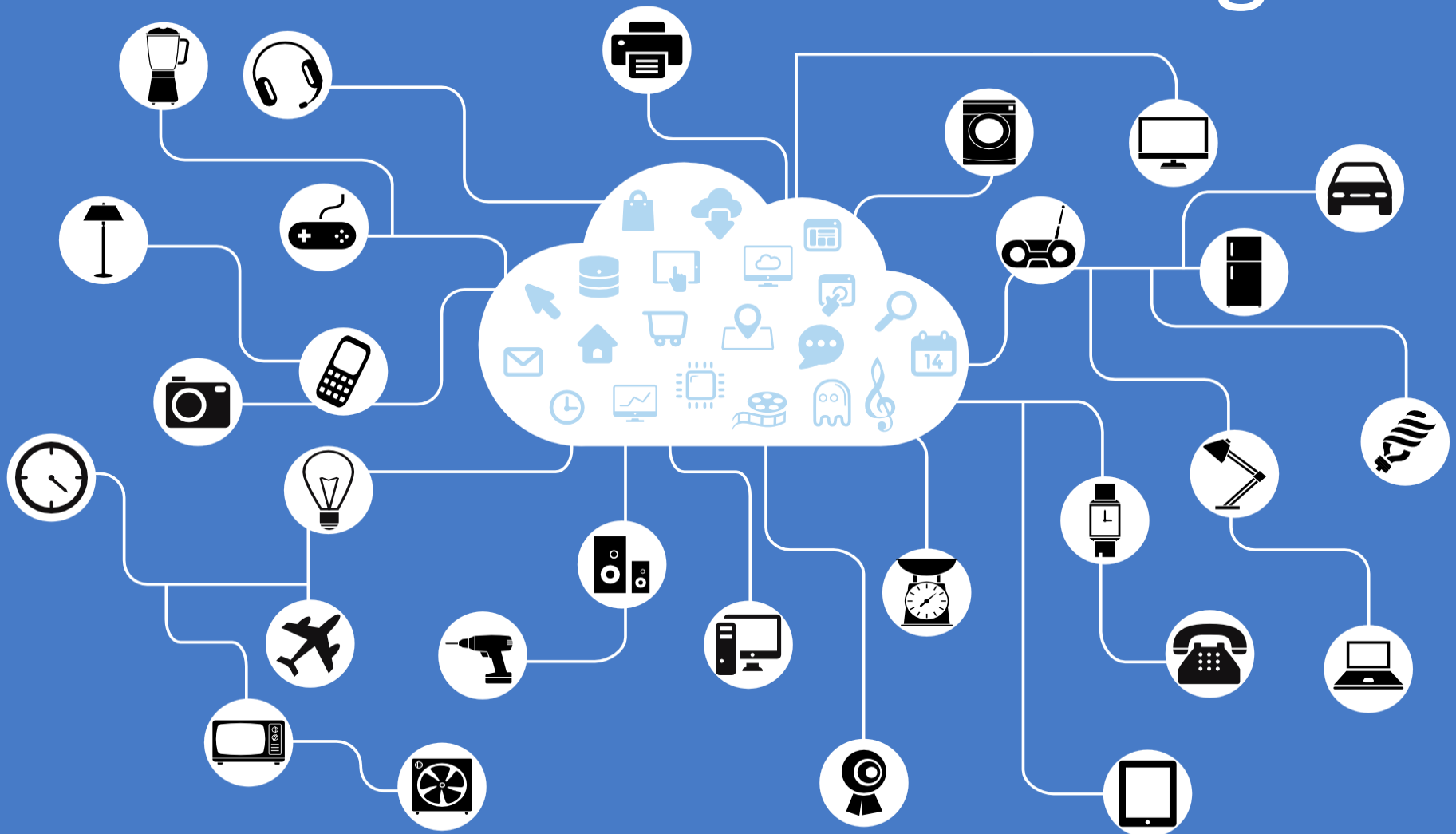Research Alliance
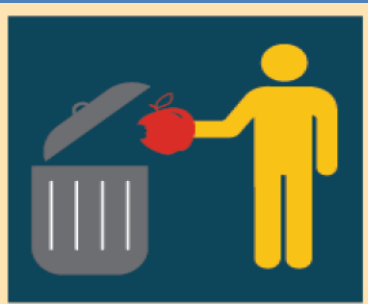
Access to healthy food

Access to nutritious food

Farming driver of ZHC

IoT driver of Smart Farming

Affordable systems

Energy non – dependant systems

Universal technological solutions

Thanks

Mikel Larrañaga
mikel.larrañaga@tekniker.es

POLO TECNOLÓGICO DE EIBAR
C/ Iñaki Goenaga,5
20600 Eibar – Gipuzkoa -Spain
www.tekniker.es