

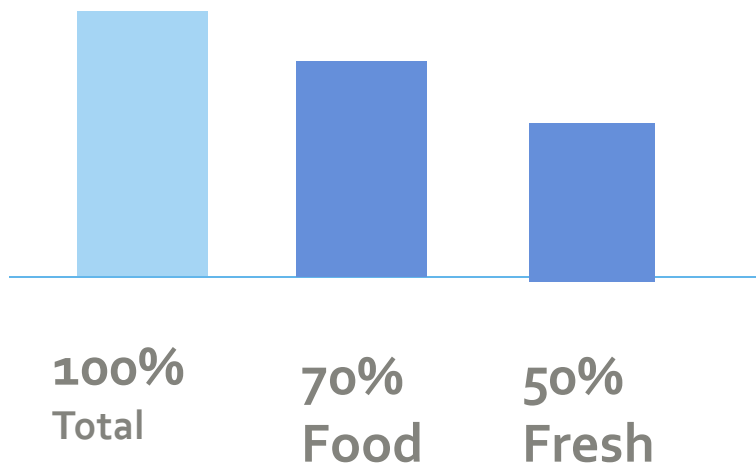
# **Sustainable Food Waste Programs in Retail and Food banks**



**Presented by Winson WU,  
Executive Chief of Carrefour Taiwan Foundation/  
Director of CSR**

# Breakage Data

Every 100TWD of sales  
*0.53 TWD Loss*  
( year 2016 )



# Reduce Food Waste in Sales Area

Offering discount on defect or short expiry products is a way to reduce waste in retail





## Not Sellable but Still Edible

Still many daily fresh & dry grocery products withdrawn from shelves are edible.



## To Build the Model of Food Waste Reduction

There are food waste in one side and there are needed in the other side

Donor



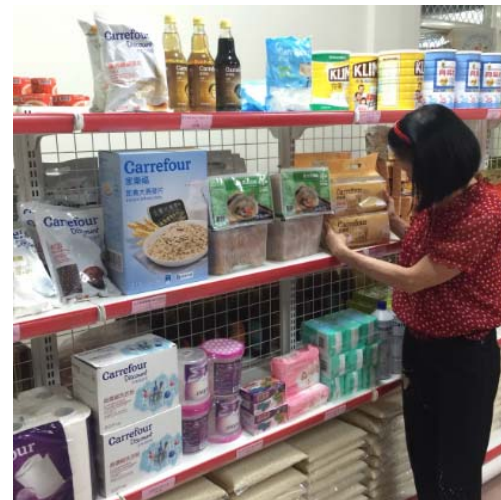
Beneficiary

# Partnership Building

- “Alliance of Taiwan Food Banks” is formed
- Building partnership with Alliance of Taiwan Food Banks



“Alliance of Taiwan Food banks”

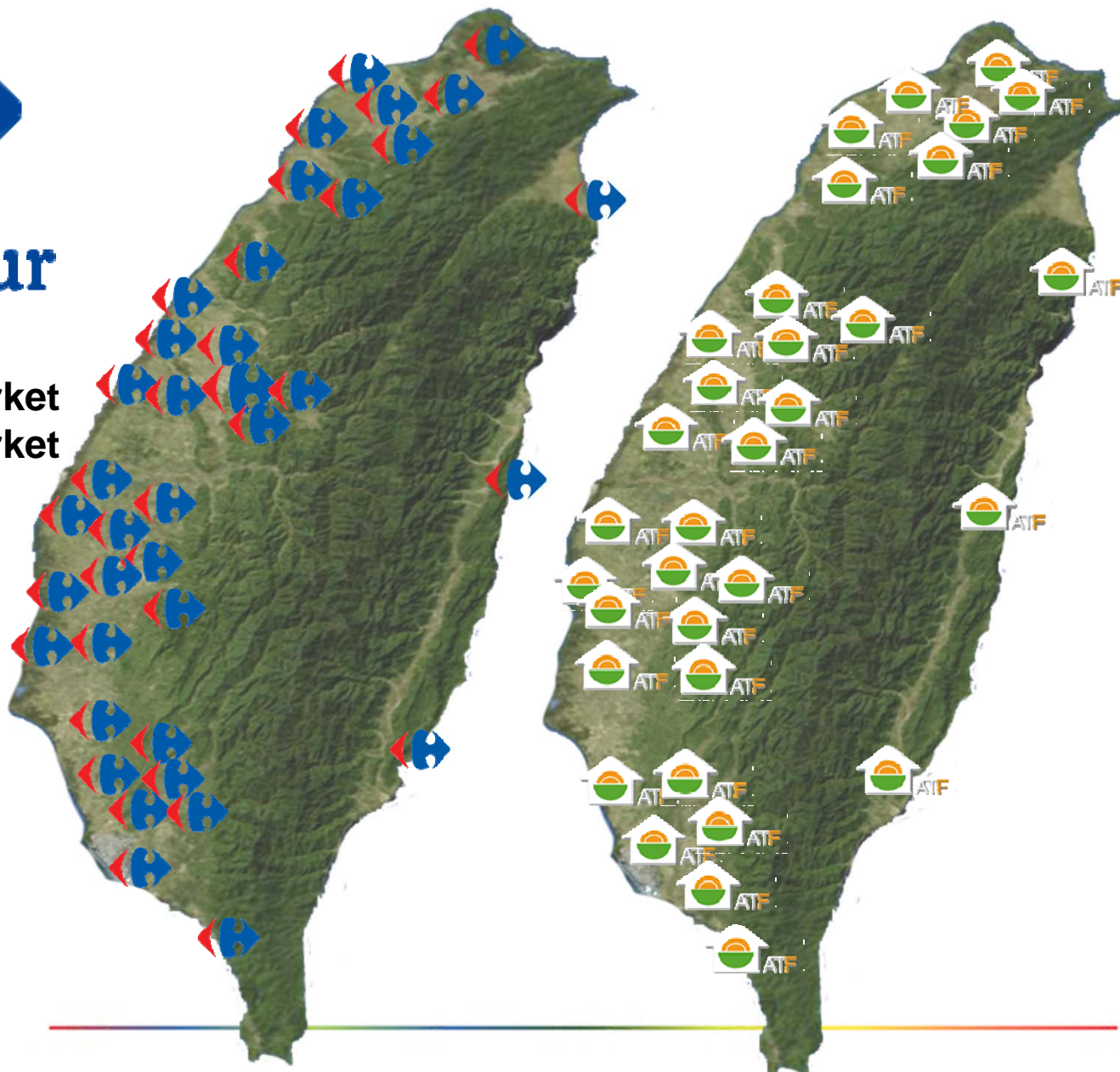






Carrefour

- 63 Hypermarket
- 37 Supermarket

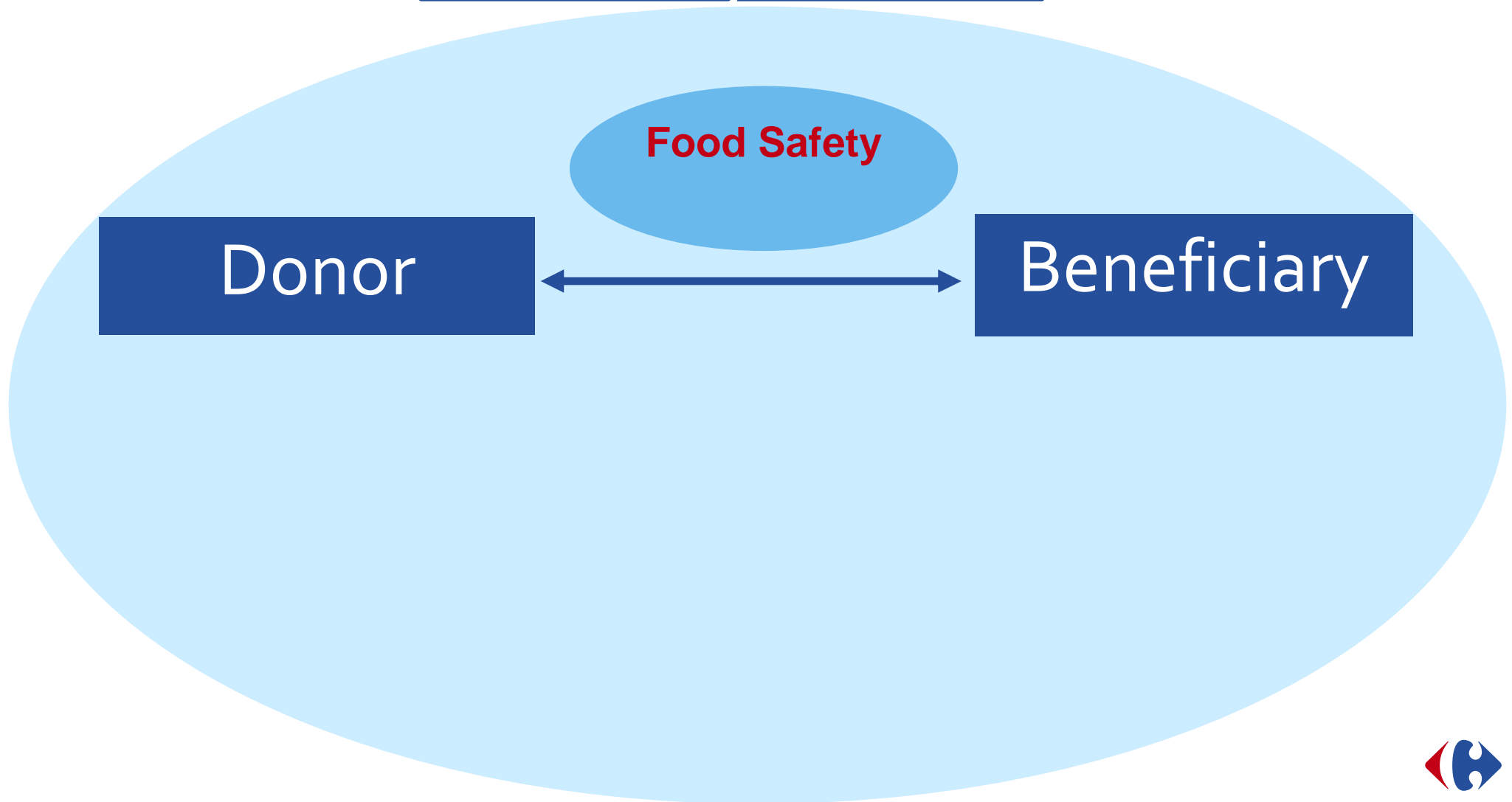


60 ATF Members

2017/08/19



## To Build the Model of Food Waste Reduction





# Internal Training

To make sure all staffs involved have been well trained the donation procedure

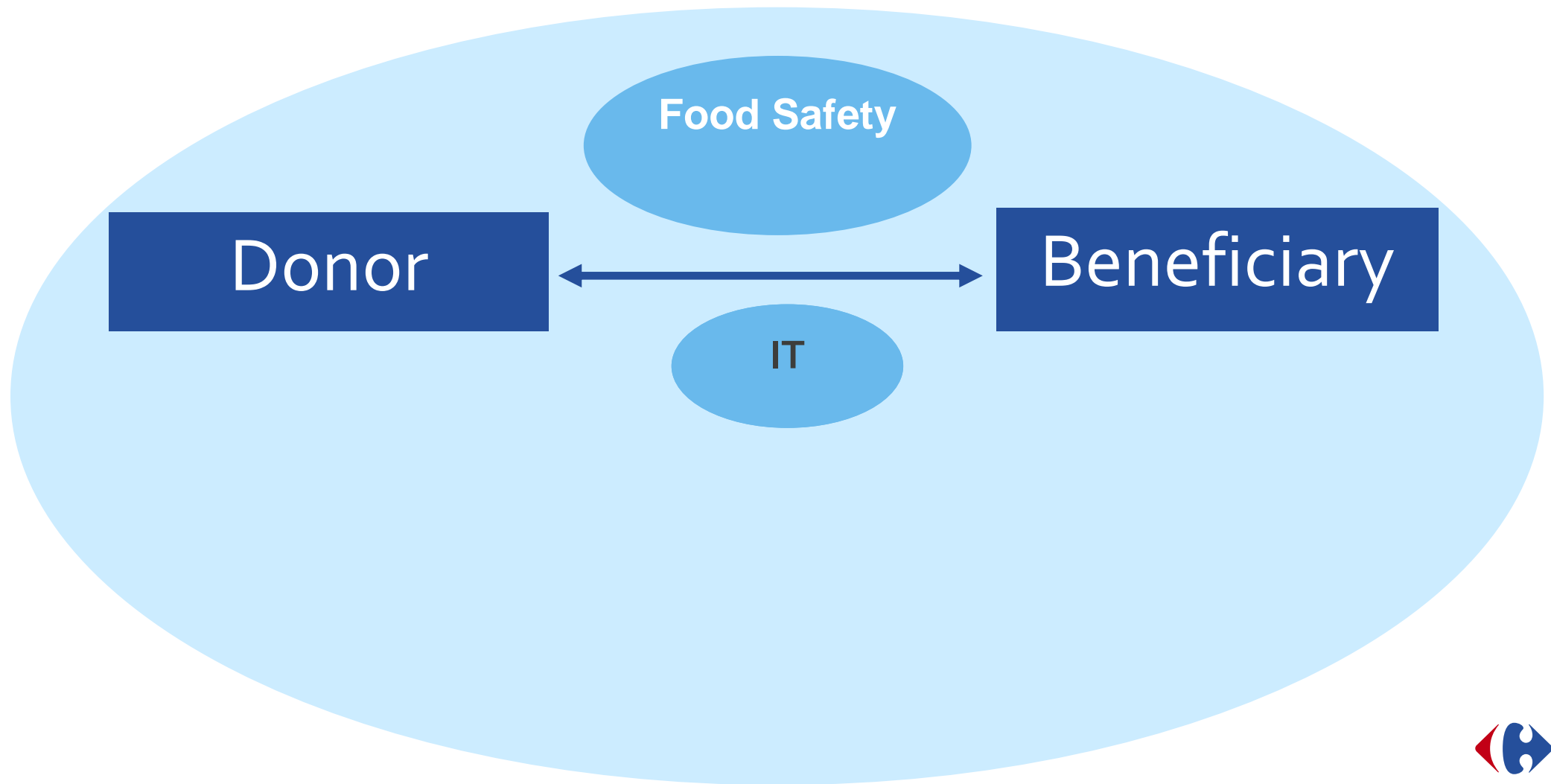


# Un-sold Food Donation System Building

- ◎ NGOs daily pick up in store
- ◎ Inspect quality of the food
- ◎ Preparation before cooking



## To Build the Model of Food Waste Reduction





# IT system support

To trace donation amount  
by store for data analysis

庫存調整(報廢作業)

使用者ID F000000959/02N #1

原因代碼 I-大盤

位置 B-報廢

貨架編號 3-店間移盤 - 轉入

條碼 4-店間移盤 - 轉出

部門 5-非影響PS毛利庫

6-贈品Thales

7-贈品負調整

單品編號.單品 D-捐贈(仍屬報廢)

細目名稱 M-IMA調整

庫存單位

報廢數量 +

F7-繼續 F2-存檔 F4-離開


列印 F1-切換

上午 01:27



# Connect the information between Donors & Beneficiaries

- Geographic information system (GIS).
- Category of food needed
- Volunteers summon

首頁 關於我們 最新消息 愛心捐贈 加入志工 公益名錄 服務成果

### 我們的任務

一、構建全國資源系統、整合資訊網絡。

二、政策倡議，立法推動及相關之浪費、飢餓、貧窮等議題研究。

三、辦理國內及國際交流計畫及相關會議與活動。

四、推廣創新與整合模式，並發展國內本土化食物銀行體系。

五、整合政府及民間資源，建構支援合作平台。

六、協助救災物資之統整、整備與支援平台。

七、其他應由本會辦理之事項。



403台灣台中市西區居仁街26號

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顯示詳細地圖

#### 目前募集需求統計

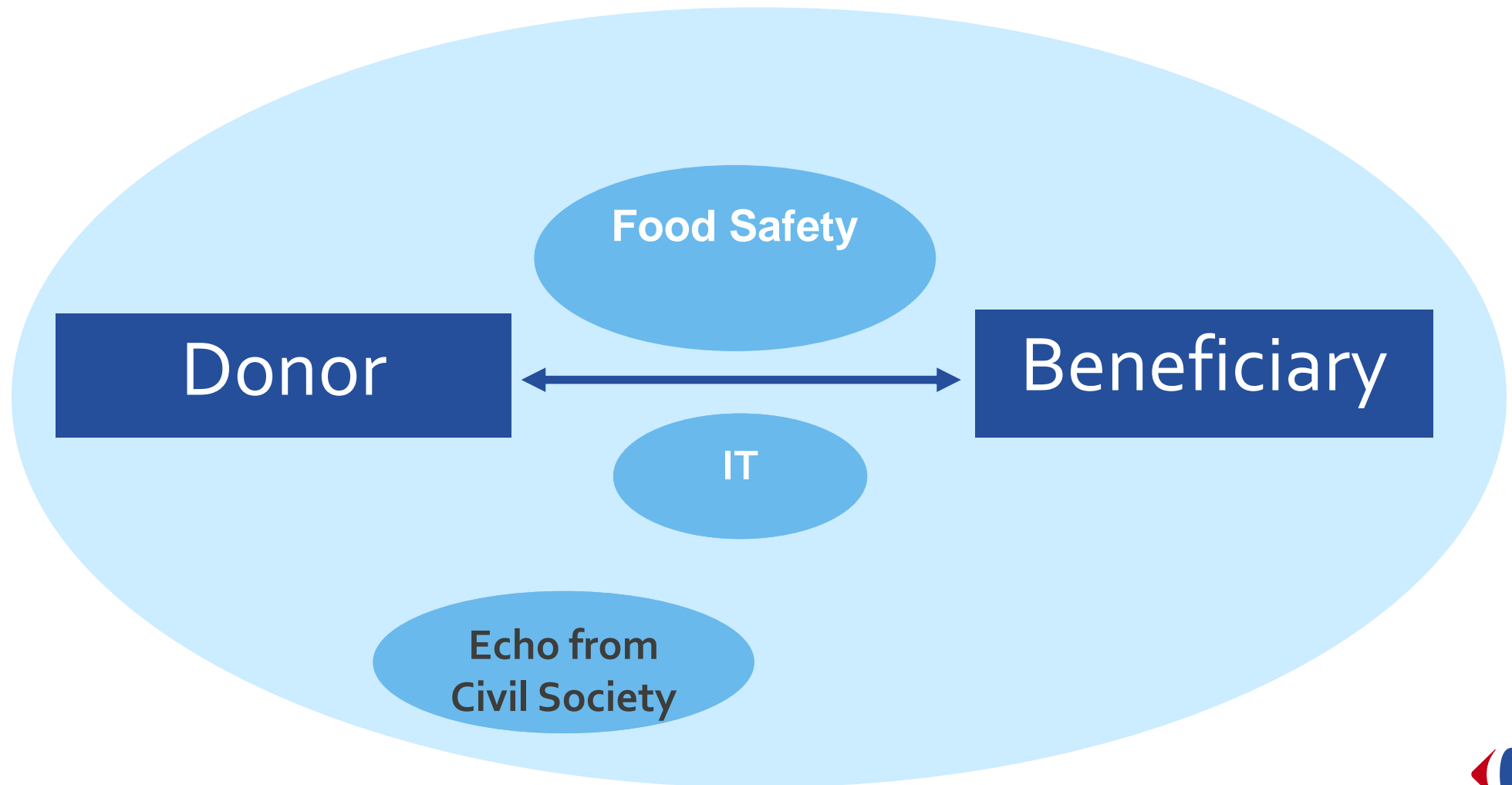


Category	Percentage
物資需求 (Material Demand)	59.7%
志願需求 (Volunteer Demand)	30.1%
其他需求 (Other Demand)	10.2%

Highcharts.com



## To Build the Model of Food Waste Reduction





# Advocate Food Waste Reduction

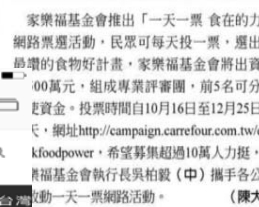
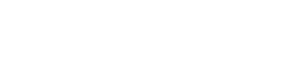
## Via media

- Press conferences
- Media interviews
- Social media circulation





# Echo from Media



## 食物銀行聯合會 續食計畫 分享愛

2016年12月31日 04:10 陳淑芬 / 台報報導



台灣食物銀行聯合會30日... (陳淑芬攝)



反食物浪費 家樂福開設全台首家續食餐館



食物未完待續 家樂福力推續食計畫



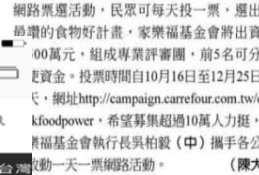
2017第十三屆遠見雜誌企業社會責任獎



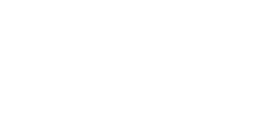
食享 首間續食餐廳 即期品變餐點 冰箱麵包自取



一天一票 食在的力量



一天一票 食在的力量





# Replica in Civil Society

Refrigerator, Kitchen, Restaurant, Grocery store



#16 Community Fridges



#4 Antiwaste Restaurants/Kitchens

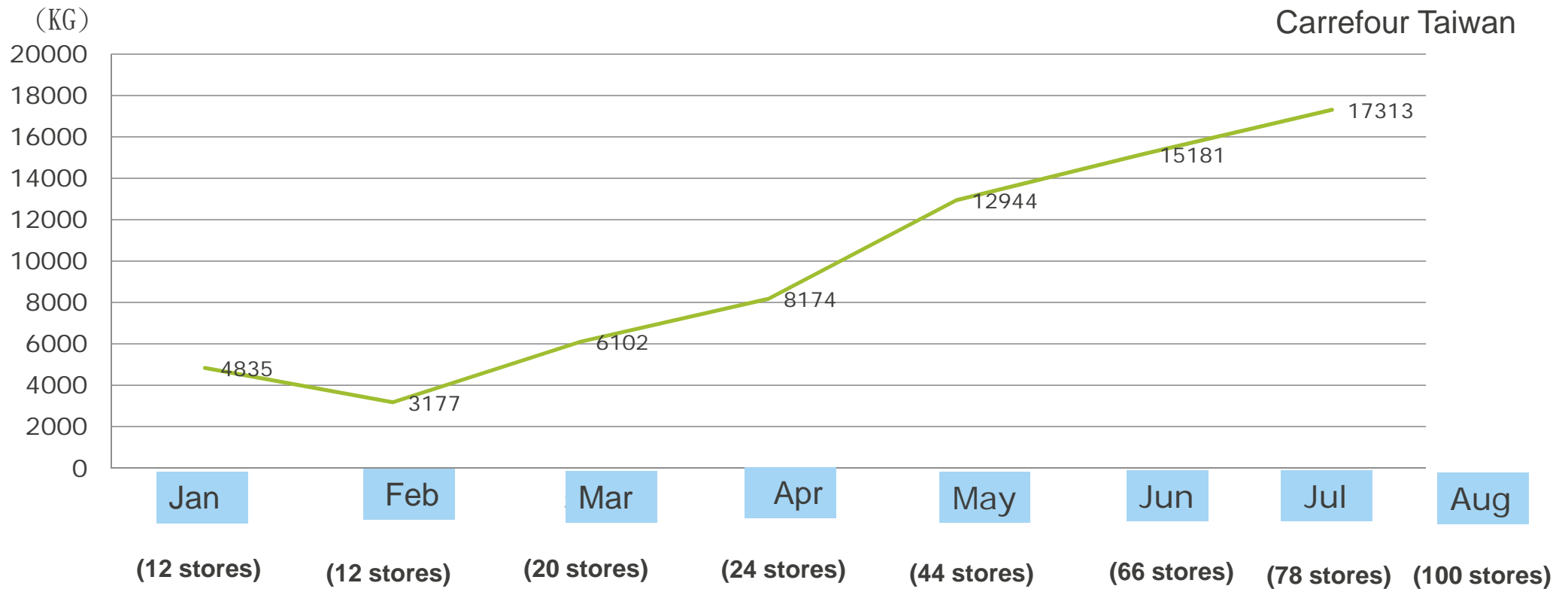


#27 Social Grocery Stores





# 2017 Unsold Food Donation Evolvement



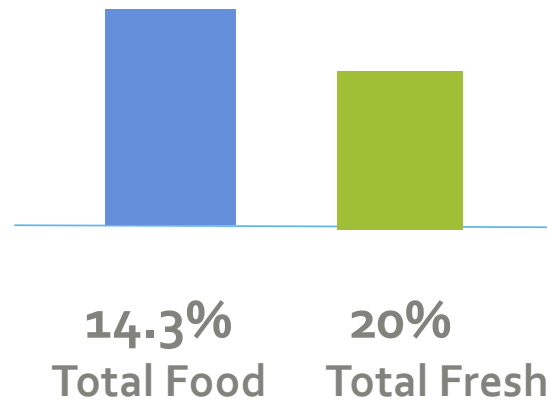
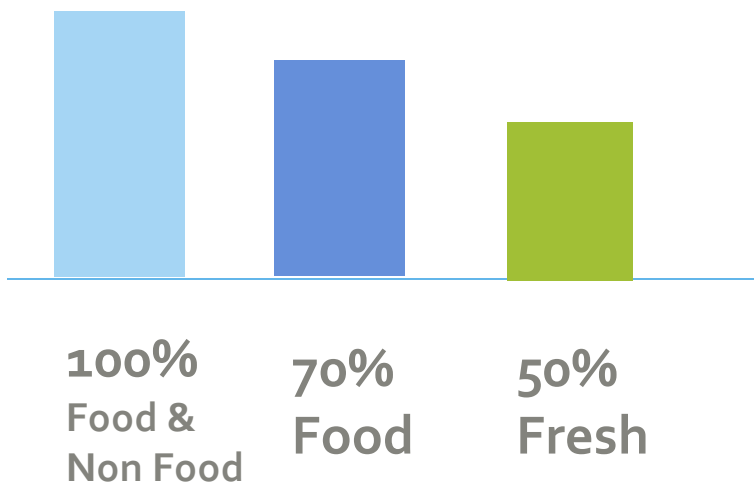
# Forecast Result

Every \$100TWD of sales

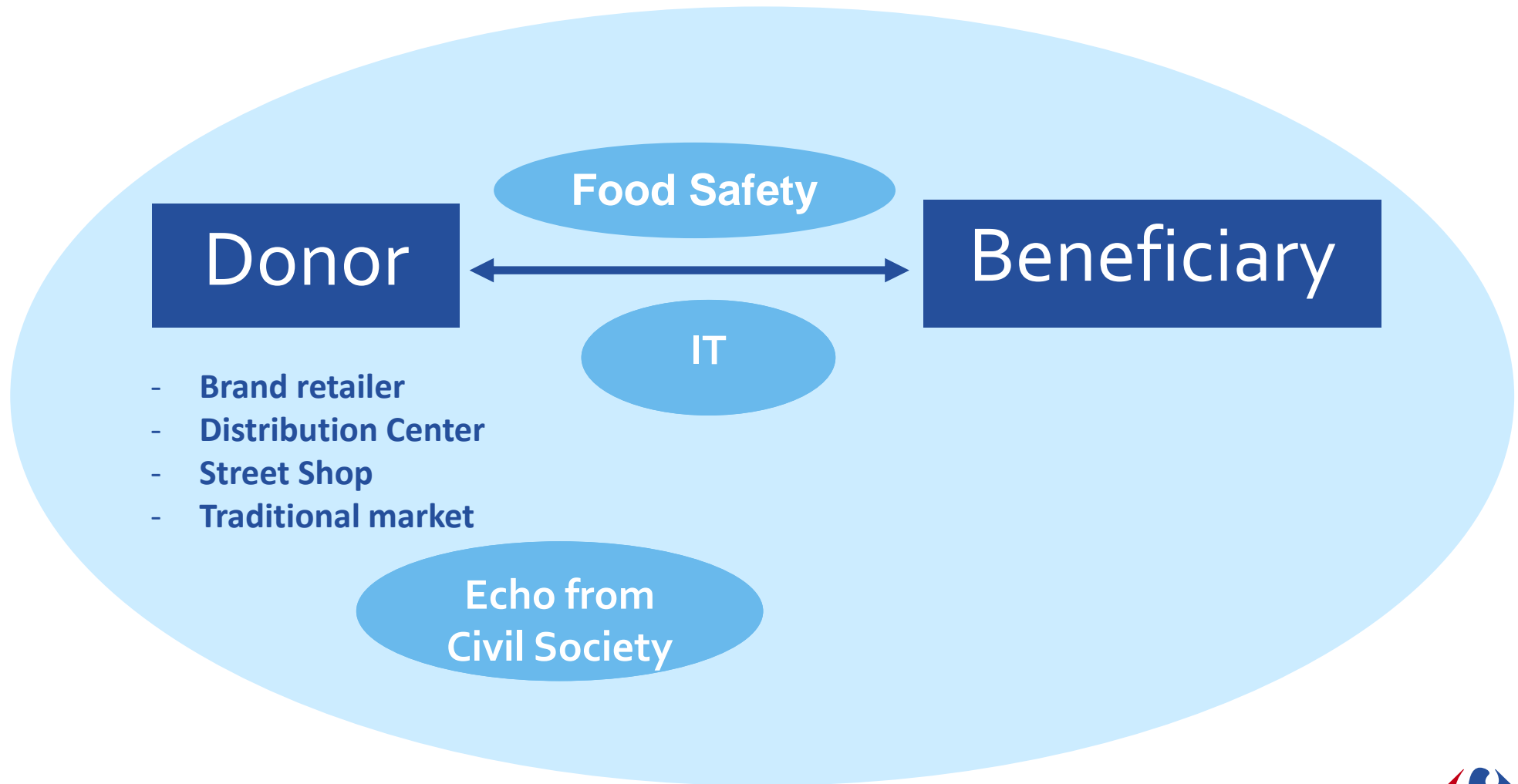
Percentage of unsold food donated

*TWD 0.53 Breakage ( year 2016 )*

*( Est. year 2018 )*



## To Build the Model of Food Waste Reduction





# Fruit & Vegetable in Fresh Distribution Center

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The not sellable still edible products happened every day in distribution center  
Most of them are becoming compost in the farm.



## Other Food Product in Distribution Center

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Big volume of stock, due to packaging, labeling, expiring, returning, which cause waste.





# Street shops

- Bakery and Fruit & Vegetable are the most feasible categories to donate among street shops.
- There are over 10,000 bakery shops on the street.
- Where I-Food Bank website can assist the network between street shops & food bank.





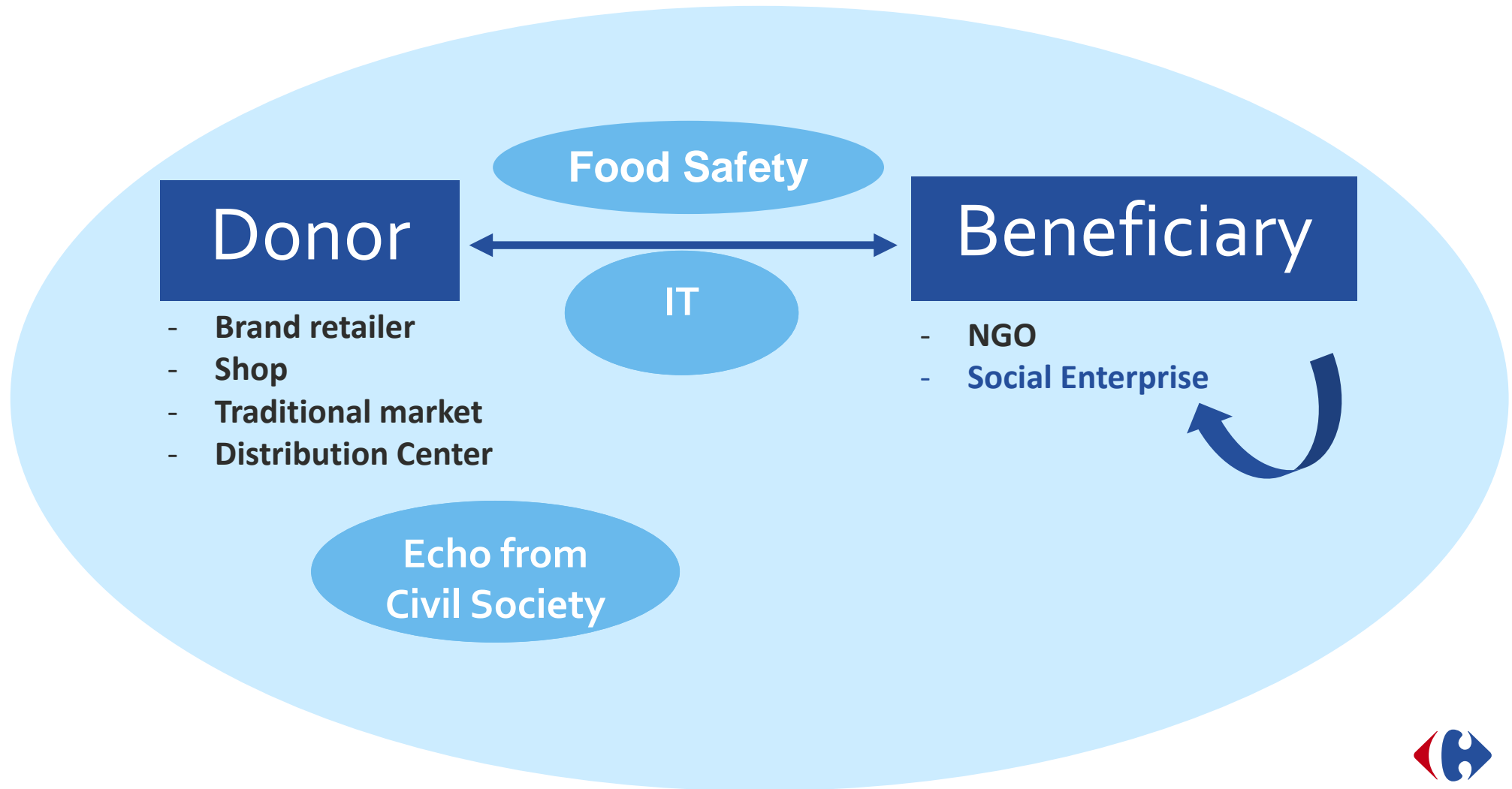
# Traditional Market

- Set up a common fridge to reserve daily surplus
- Organizing management procedure for donation





# To Build the Model of Food Waste Reduction



# Develop Products using Wasted Food



Circular Economy



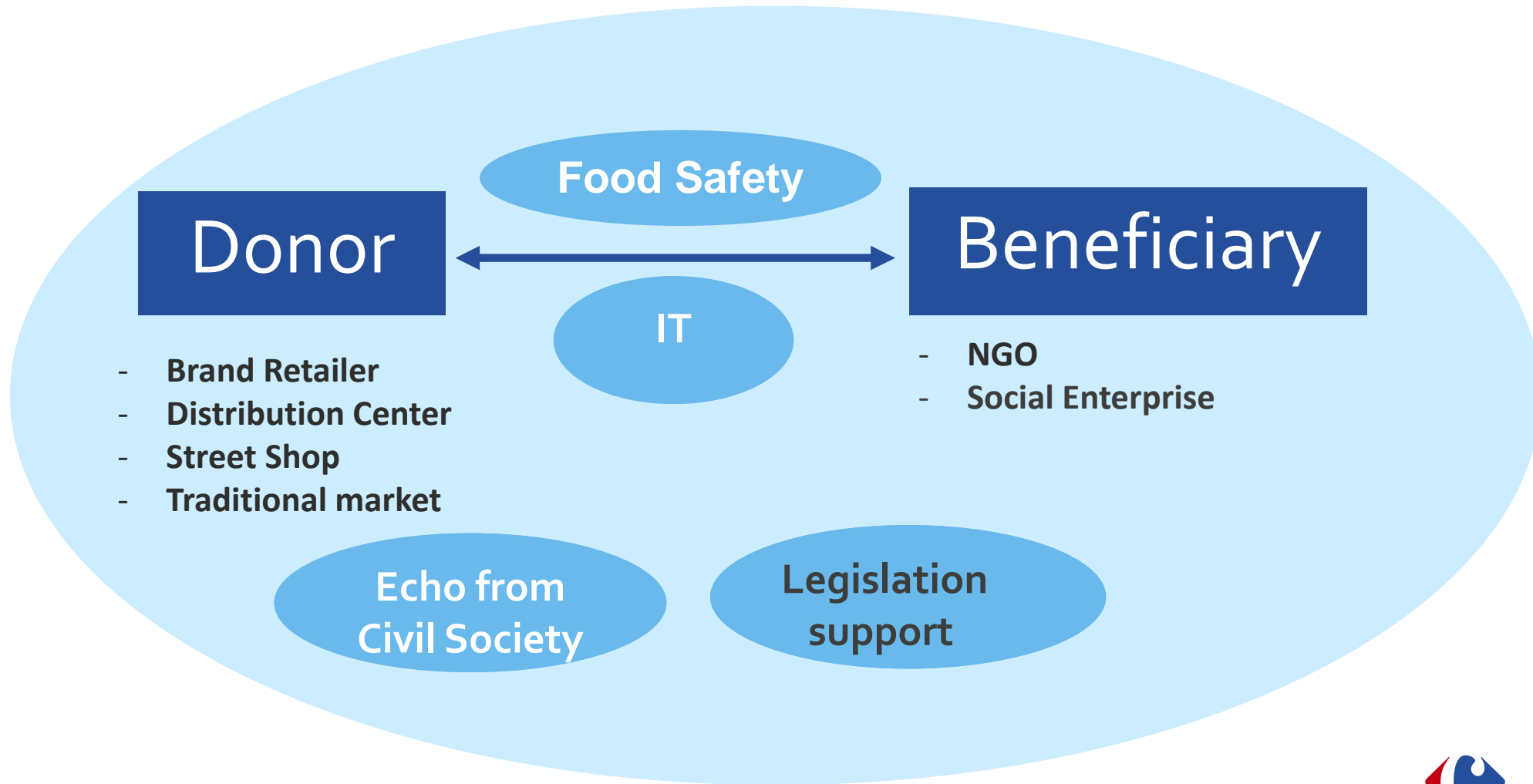
- Create business model with social enterprise
- Increase farmer's income
- Advocate customers about food waste



Ugly Fruit popsicle  
Aug. 9<sup>th</sup>, 2017




# To build the Model of Food Waste Reduction



# What Legislation can support?

 Phase 1  
Responsibility Exemption  
Of Food Donation

 Phase 2  
Tax Incentive

 Phase 3  
Obligation of Food Donation

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*SHORT TERM*

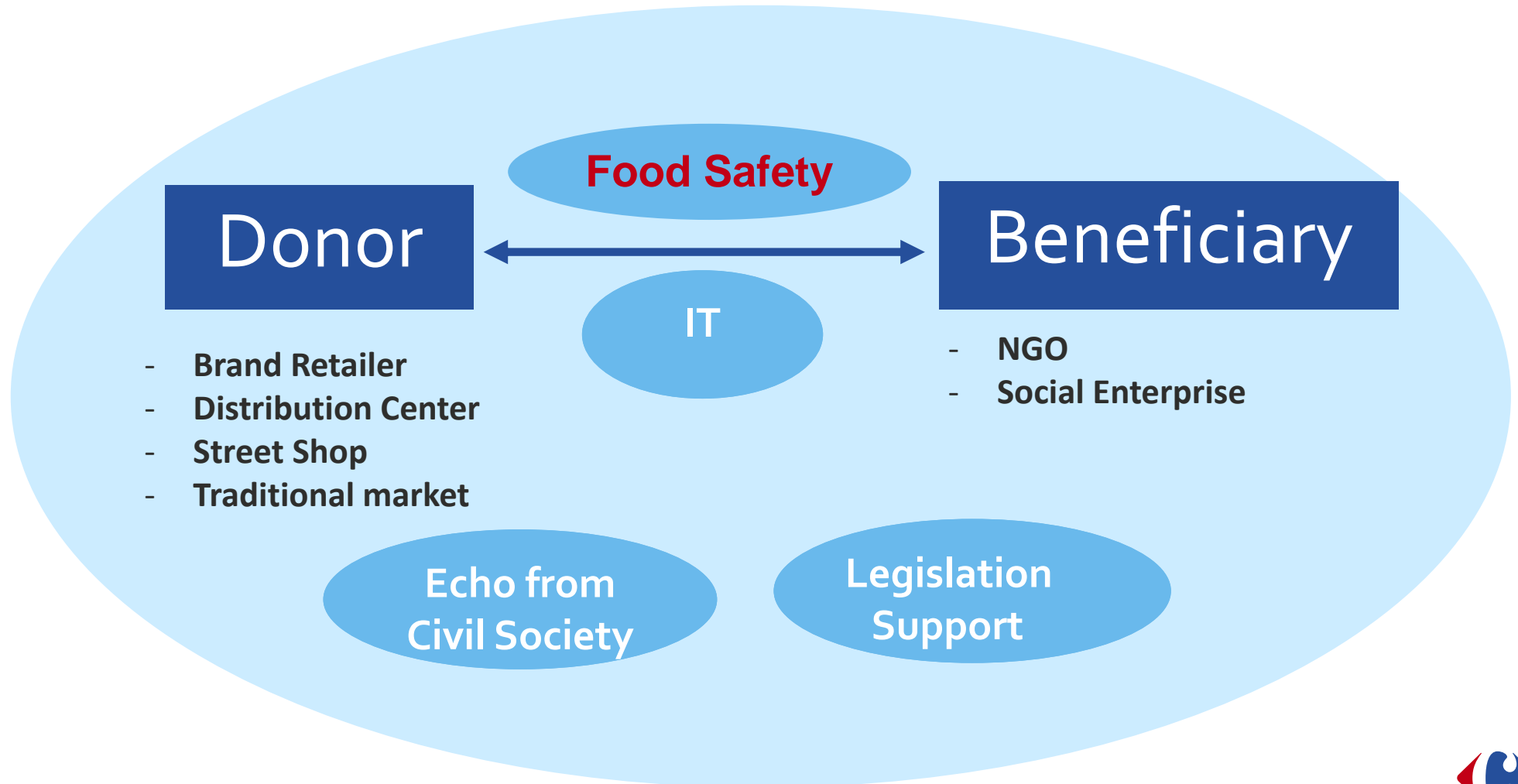
*MID TERM*

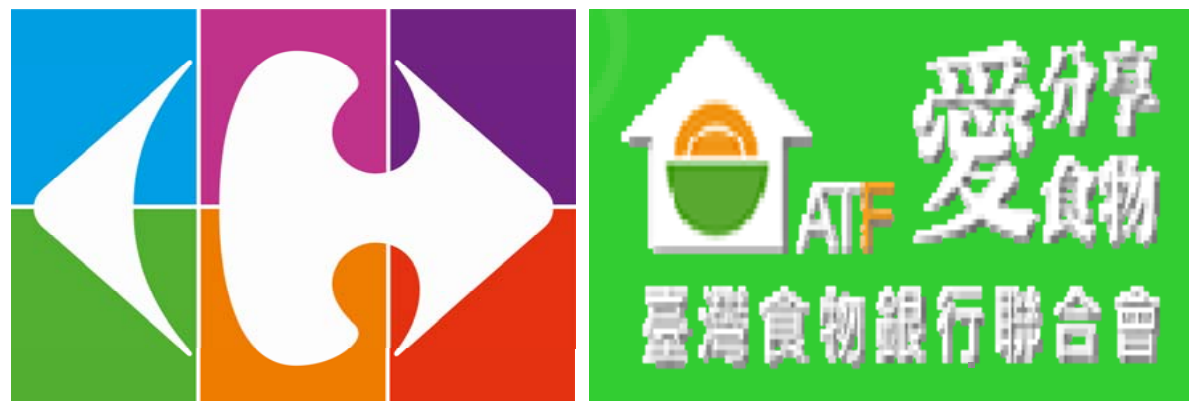
*LONG TERM*





# The Model of Food Waste Reduction in Retail





*Thank you for listening*

