



# SMART COMMUNITY ARUBA

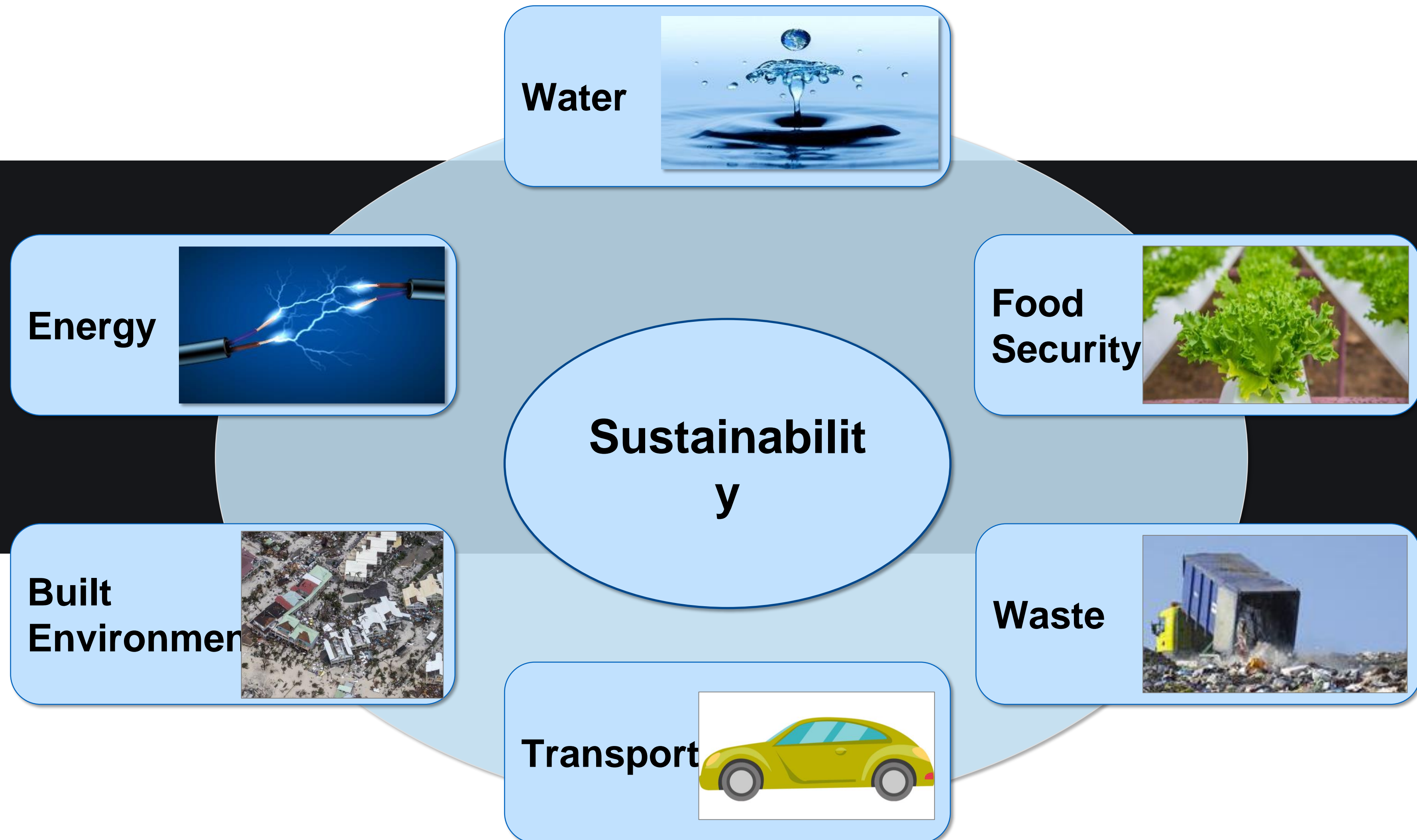
**Introducing Smart Community Aruba – an Open Innovation Platform**

**IRENA Conference**

28 November 2018

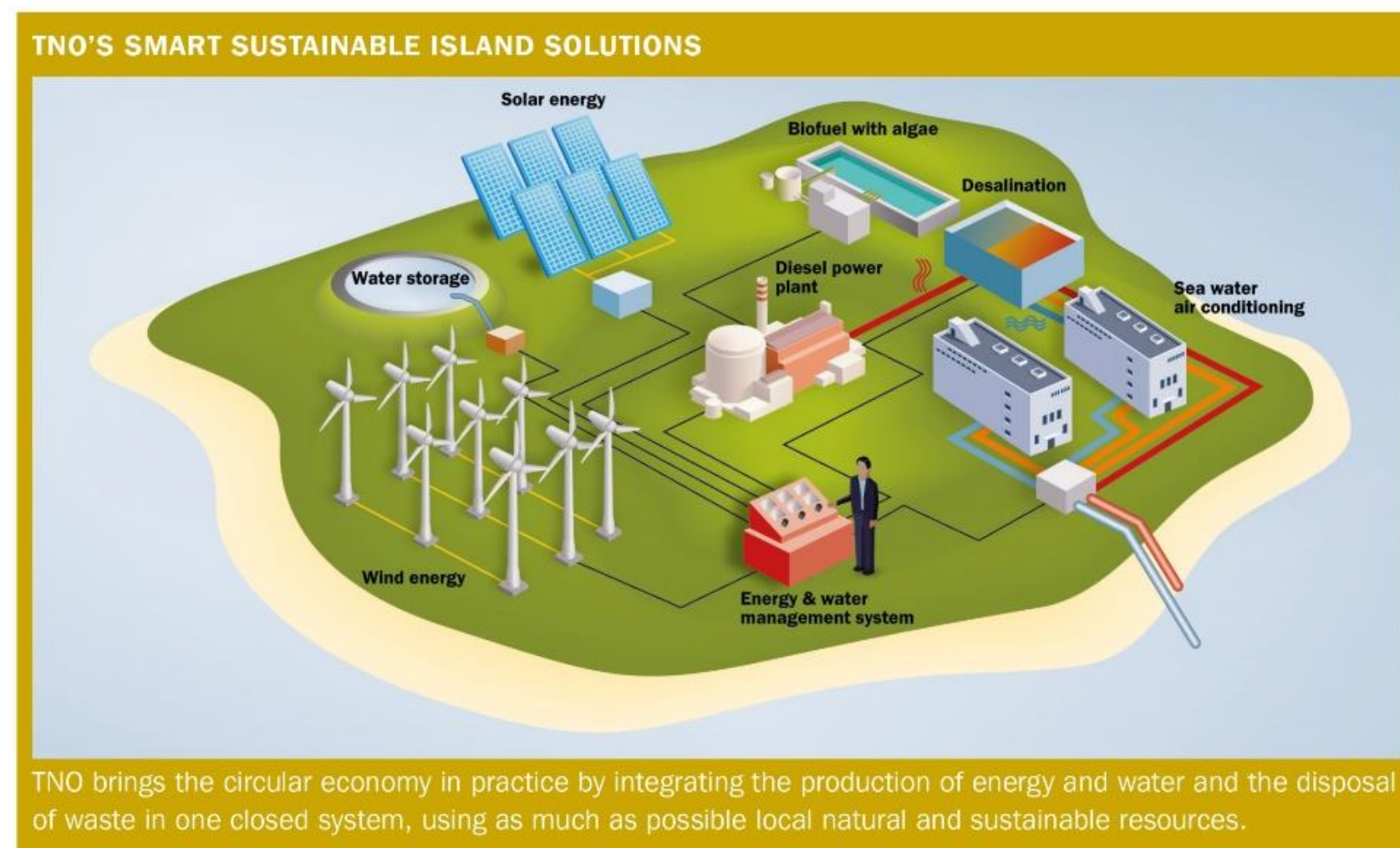


# Sustainability – a key issue for island nations



# Towards sustainable solutions

## Developing Smart Island Solutions



- › Develop technically feasible, economically affordable, socially acceptable and environmentally friendly solutions

## Creating a circular economy



- › Reduce imports, close loops and foster a circular economy
- › Strengthen balance of payments

# Smart Community Aruba

## State of the Art in Sustainable Living



Water purification unit

(Biogas) compost deposit

Small wind turbine

Visitor centre

Fast electric car chargers

Electricity substation & Smart Grid control

Cold storage

Housing sustainability adaptations

Irrigation water

Rain water reservoir

Solar energy panels on roofs

Innovative housing design



# Focussing on key innovation areas

**P1. Sustainable Building**



**P2. Renewable Energy Integration**



**P3. Demand Response**



**P4. Electric Mobility**



**P5. Human Factor**



**P6. Water Management**



**P7. Sustainable Food Supply**



**P8. Waste Management**





# Smart Community Aruba: a collaborative effort

## Consortium partners

Partner helpdesk



Mechanics

Suppliers

## Residents



Smart Community  
Reception Desk



Installation companies

Utilities

## Industry partners



## Visitors, delegations

# THANK YOU!

