



A. AI Technology for Food Waste Reduction



Carrots
2kgs | \$5

Technology Description

In commercial kitchens (e.g., hotels, restaurants), cameras are placed above waste bins. **AI image capture technology tracks food wasted** by type and dollar figure. Data on food waste is sent to managers to **guide decision-making on food waste reduction**.

This AI technology can **reduce food waste** (by 28-62%) and related **emissions**. This can also **reduce emissions** from food transport due to more **efficient purchasing**.



B. Water Efficient Appliances

Technology Description

Water efficient appliances reduce water consumption in high-resource consumptive industry sectors, such as hotels or other commercial buildings.

The water efficient appliance **reduces water consumption** by aerating the water flow, increasing its volume while using only 2 liters per minute.

Water savings (and energy from water use) can be significantly reduced, especially in high-volume private sector businesses, such as hotels.



C. E-Toolkit for Climate Action

Technology Description

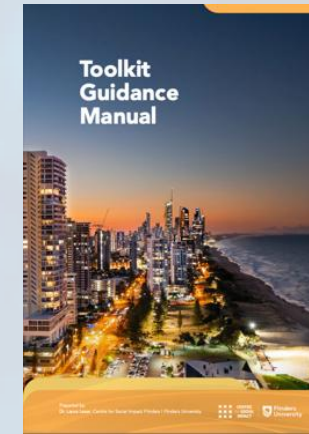
Individual businesses are essential to achieving climate action goals, but it is challenging to collectively engage businesses in climate action. Additionally, existing tools are on-size fits-all and fail to address specific climate action targets of each country.

Addressing this challenge in **tourism**, the **E-Toolkit enables collective business action** toward **your country's climate action priorities** (i.e., NDCs, NAPs, SDGs).

The **E-toolkit** provides businesses with **tools to measure, monitor, report, assess, and act** on climate action priorities. **An online dashboard enables collective performance reporting** to report climate action performances and **contributions to national targets**.

The E-toolkit has helped tourism businesses to **reduce energy use, emissions, water use, and waste**, while providing **positive social impacts**.

E- Toolkits



D. Green Building Certification for Water and Energy Efficiencies

Technology Description

Achieving **Green Building Certification** involves businesses meeting green building practices and successfully completing an audit. Generally, practices relate to exterior building materials as well as internal systems for energy and water efficiencies.

Green Building Certification helps businesses to **reduce energy, water, and embodied carbon**. This can also reduce operating costs for businesses through energy and water efficient building practices.

EDGE (Excellence in Design for Greater Efficiencies) is one of many green building certification programs; developed by the IFC (World Bank Group) with a focus on emerging markets.

