



SOLID WASTE

&

PRODUCTIVITY

DESIGN THINKING

PRESENTATION BY:
FRANÇOISE MARECHAL-CHARLOTTE
THIERRY MARECHAL



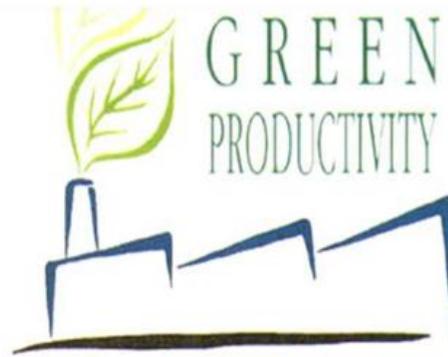
National Productivity and Competitiveness Council (NPCC)

Who are
WE?

The National Productivity and Competitiveness Council (NPCC) is operational since May 2000.

Objective: To stimulate and generate productivity and quality consciousness and drive the productivity and quality movement in all sectors of the economy with a view to raising national output and achieving sustained growth and international competitiveness.

Green Productivity Definition

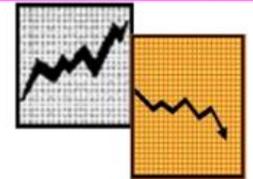


Ensures profitability



Green Productivity (GP) is a **strategy** for enhancing **productivity and environmental performance** for sustainable **socio-economic development**. It is the application of appropriate productivity and environmental management tools, techniques, technologies to reduce the environmental impact of organization's activities for products and services.

Enhances Quality of Life

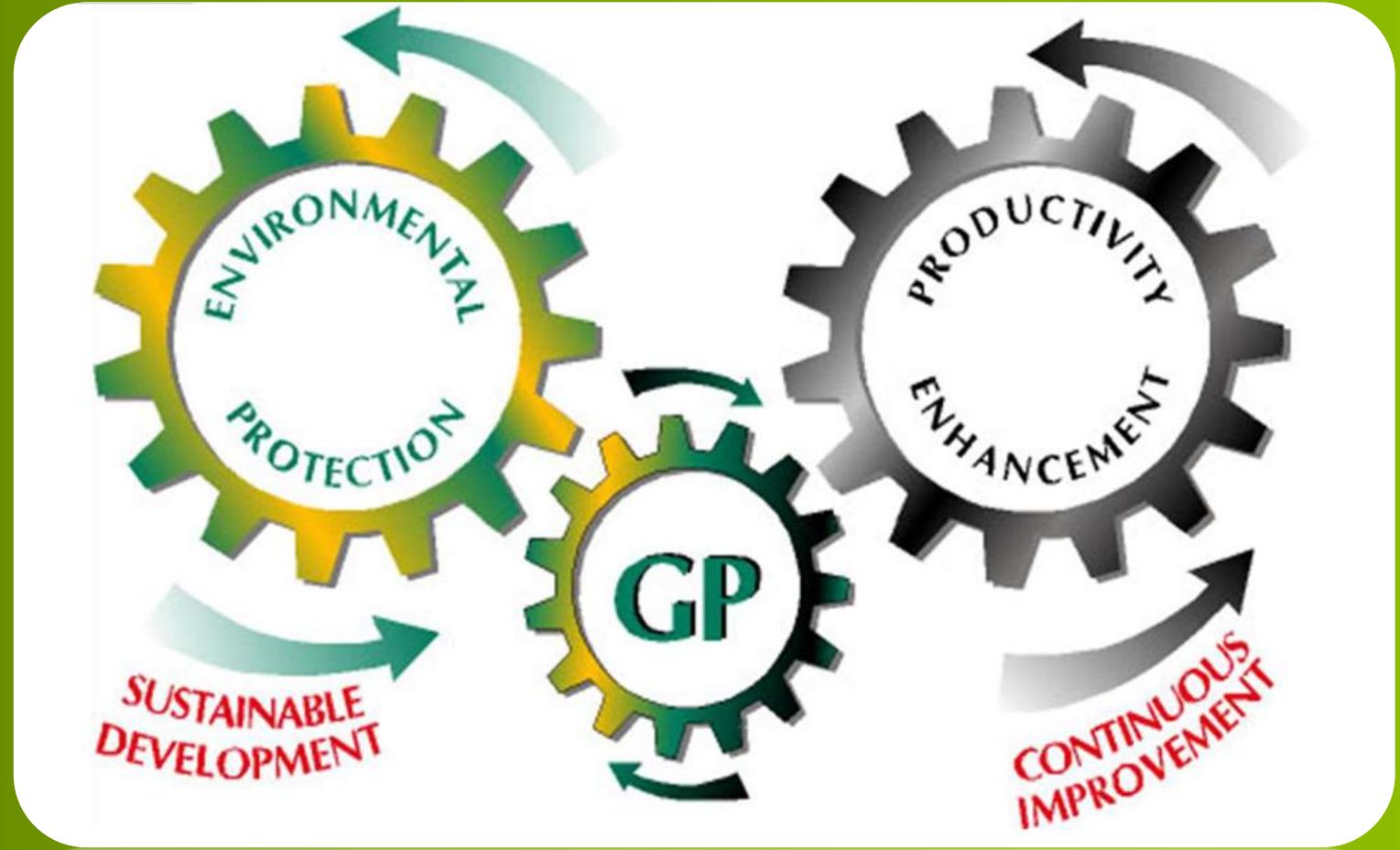


Reduces environmental impact

of products and services;
environmental impact of organization's activities
tools, techniques, technologies to reduce the

imbsct
keances environmental

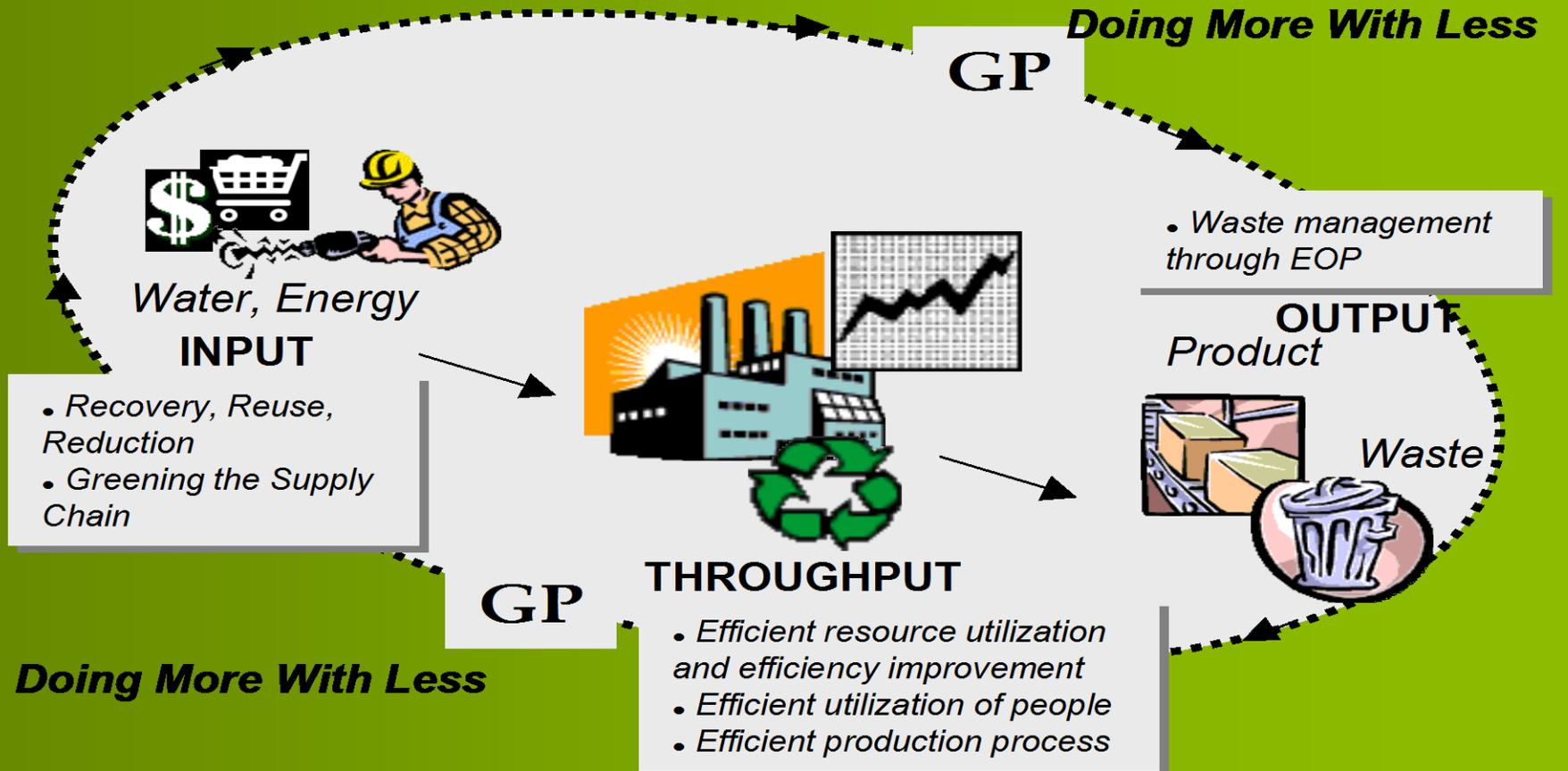
Green Productivity Concept

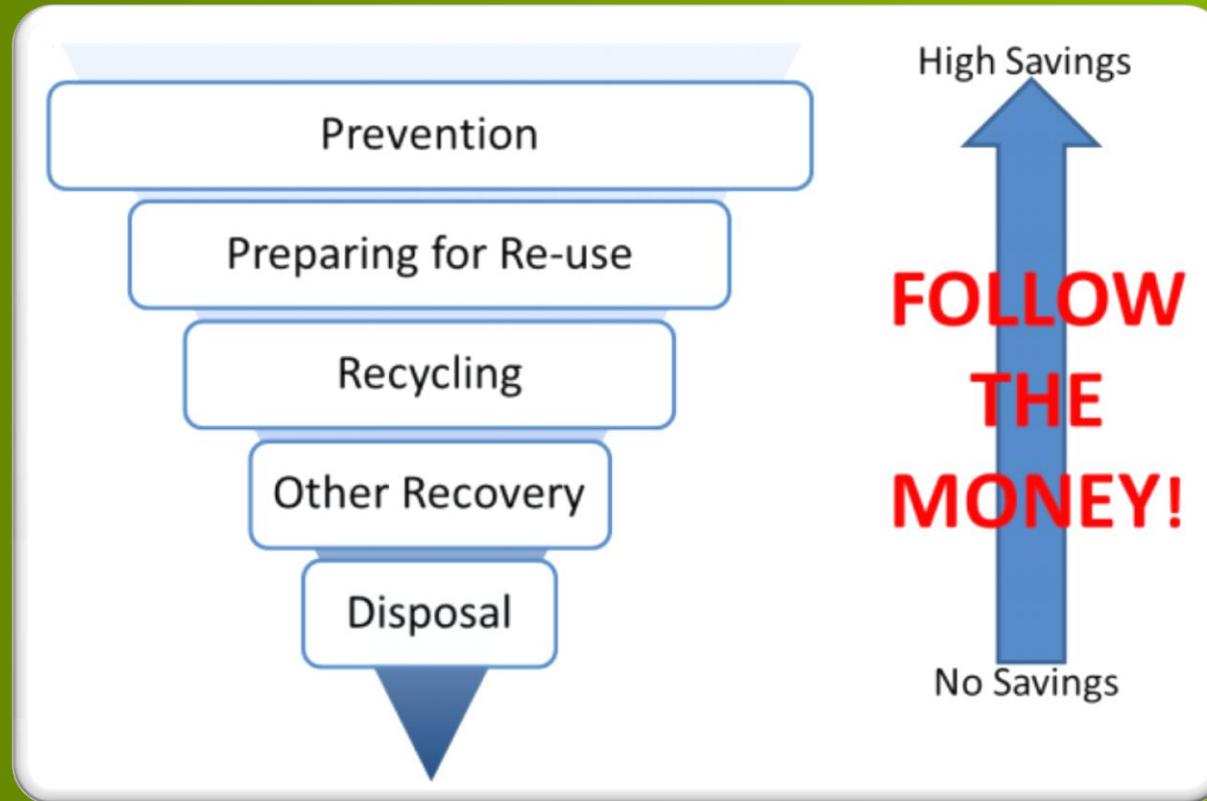


ДЕЛЕГОВЕНІ

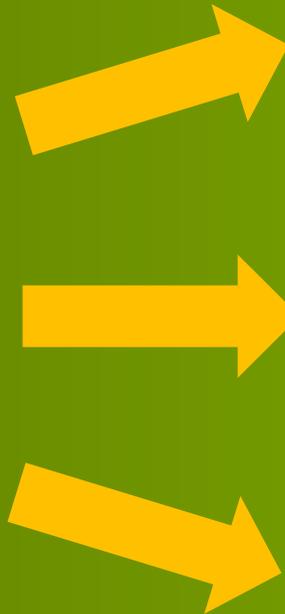
ІНЬКОЛЕВІ
СОИІІ

Green Productivity Concept





NPCC Intervention in Enterprises



Reduce Input

- Reduce water and energy consumption
- Raw materials, fuel etc...

Process Improvement

- 5S Good Housekeeping
- Improved Operating Procedures
- TPM
- Lean Management
- Tracking waste through proper measurement

Design Thinking and Innovation

- Products and service redesign
- Waste repurposing

How NPCC can assist?

- **Awareness and sensitization in enterprises**
- **Training and consultancy for enterprises**
 - Gap Analysis
 - Process Mapping / Material flow / Waste profiling
 - Design Thinking Process and Innovation (Empathy Map, Problem Definition, Ideation, Prototyping and Testing / Design of reused and recycled products)
 - Waste minimization and elimination and lean management
- **Best practices in National Productivity and Quality Excellence Award (NPQEA)**

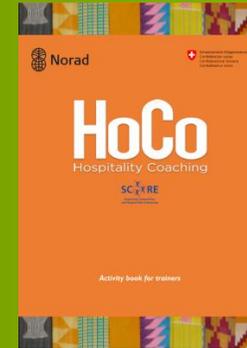
OPERATION

CO SHARE

COVID-19 OSH & RESOURCE EFFICIENCY

Resource Efficiency Progress of Phase 2 underway

- 47 enterprises showed interest. After screening and scoping 27 selected (Hotels, restaurants and Guest houses)
- Total of 16 NPCC Trainers on field
- Training content customized and developed exclusively for Operation COSHARE (support from UNEP, PAGE, ILO)



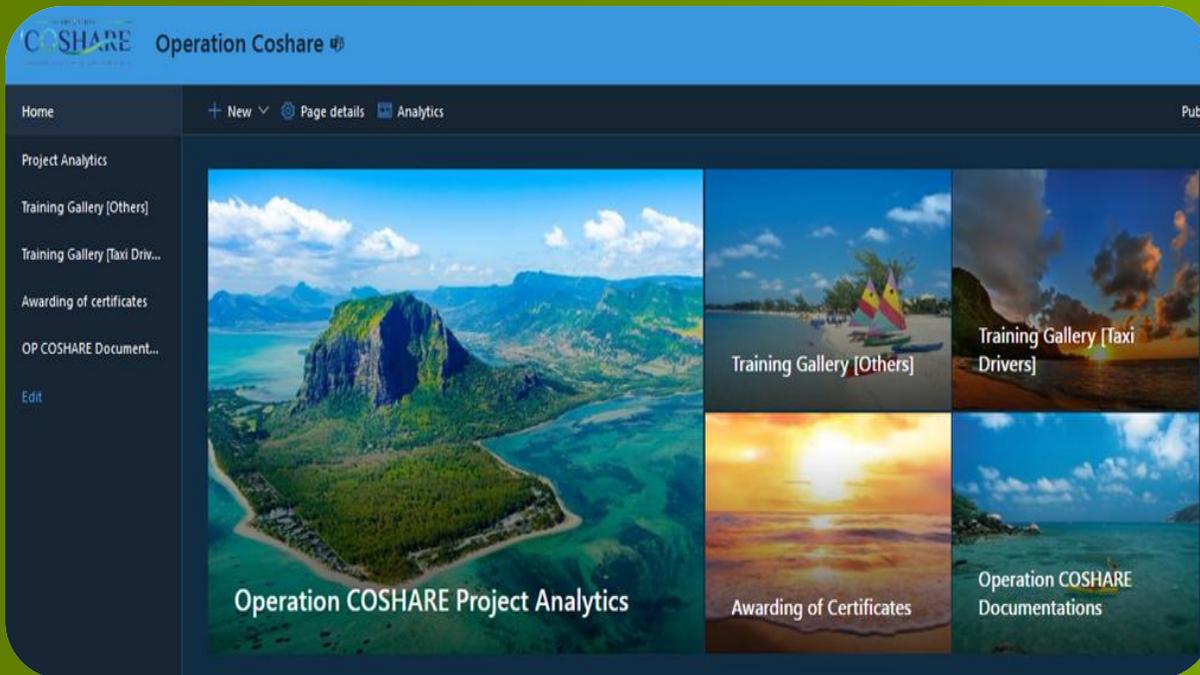
Training and facilitation topics include:
*Workplace cooperation,
Product/service excellence
Enhancing productivity through RECP
Taking action for RE*

SCORE Methodology by ILO involves:

- ✓ Training of Trainers
- ✓ Baseline study and data collection
- ✓ Training of enterprises
- Identification and implementation of improvement projects
- Site Visits and implementation
- Monitoring of results in energy and water usage, carbon and water footprints, food waste reduction etc.

A closely monitored project

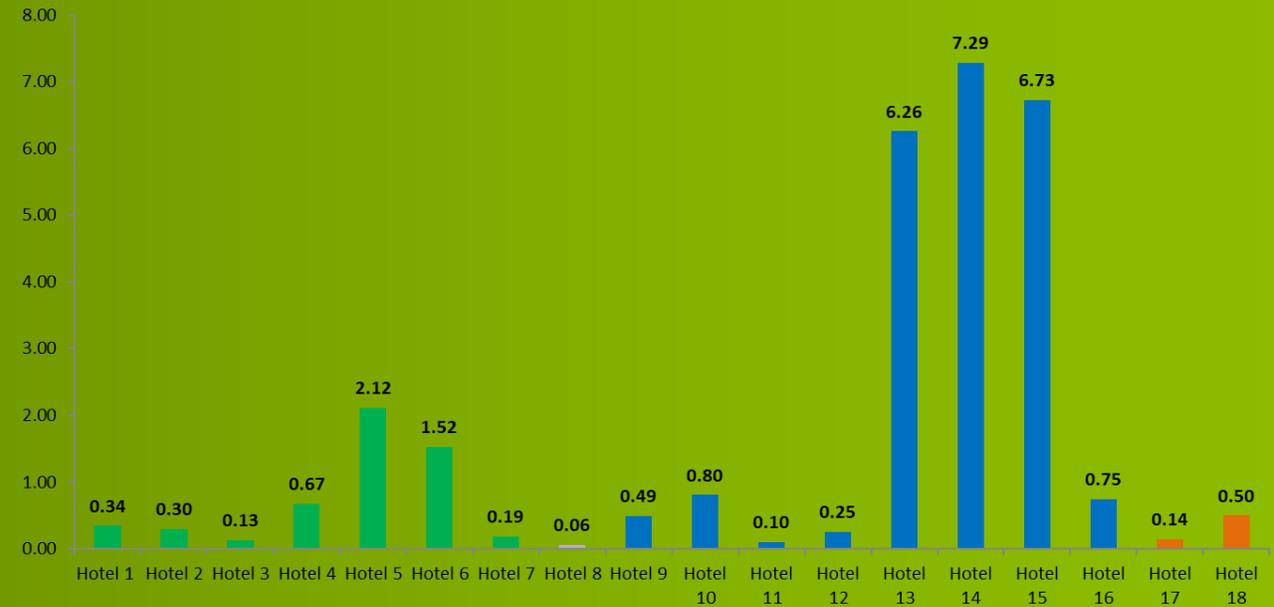
Real-time monitoring of progress available through SharePoint for stakeholders



Gap Analysis

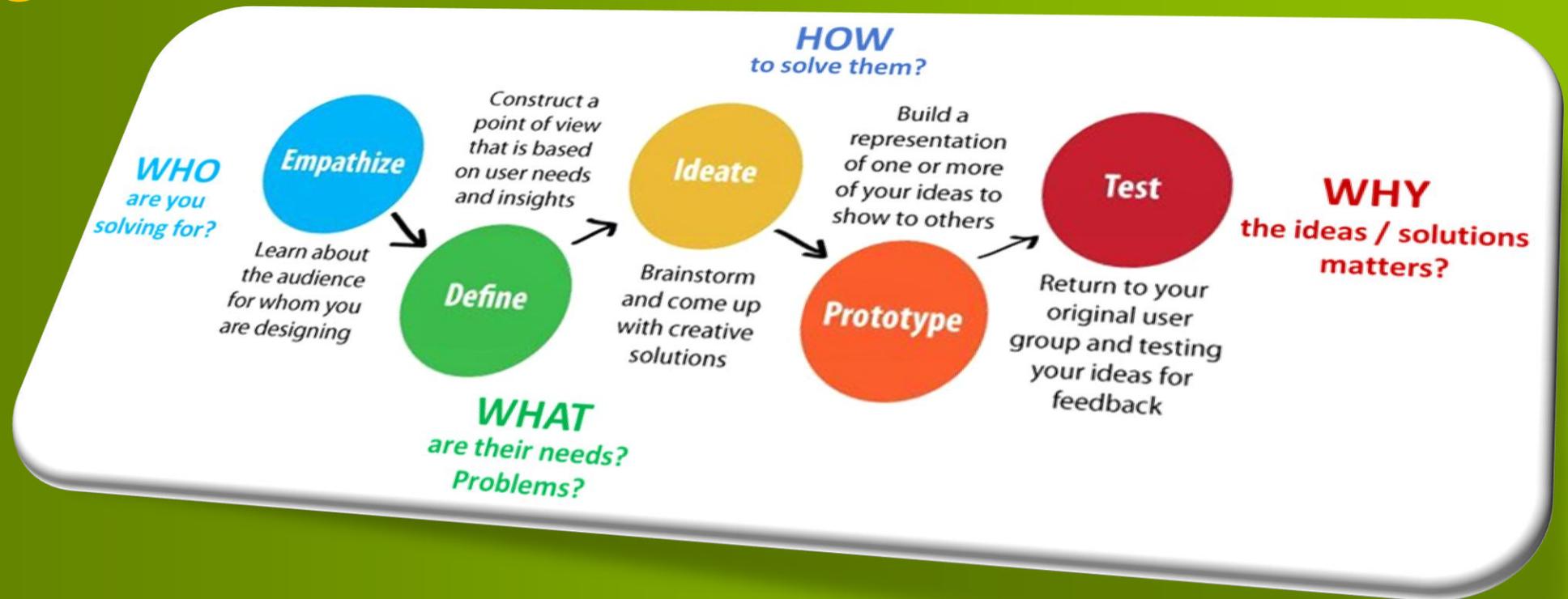


Waste Generation per Guest Night(KG)



- Extract from Gap Analysis report on 30 small hotels (2016)

The Design Thinking Process



Example of Innovation for solid waste

CAMOFLEC: A CAMERA MOTOR FLEXIBLE CLEANER



WATER PUMP

FLEXIBLE
SPRING

Training for Enterprises



Our observations on challenges faced by enterprises willing to embark on Green Initiatives

- Lack of an online Database of initiatives, recyclers, disposal of harmful waste etc... for circular economy
- Lack of guidelines for stock, disposals and recycling of harmful waste
- Need for Business Models and benchmarking
- Systematic data collection and analysis of wastes by enterprises / KPIs and target setting
- Lack of policy on Green procurement and purchasing
- Segregation / sorting out of wastes is not done by local authorities for the time being
- Small volumes of waste from enterprises for recyclers
- Solutions are costly
- Need for more synergies among enterprises within the supply chain / eco-friendly label

Thank You

Contact Us

3rd Floor, The Catalyst
Silicon Avenue, Cybercity
Ebene 72201
Republic of Mauritius
T: (230) 467 7700 F: (230) 467 3838
E: npccmauritiu@intnet.mu

Social Media

facebook.com/npccmauritiu

www.npccmauritiu.org

