Telefónica

Central American Workshop for capacity building on environmentaly responsible management of electric and electronic waste

TELEFÓNICA VISION
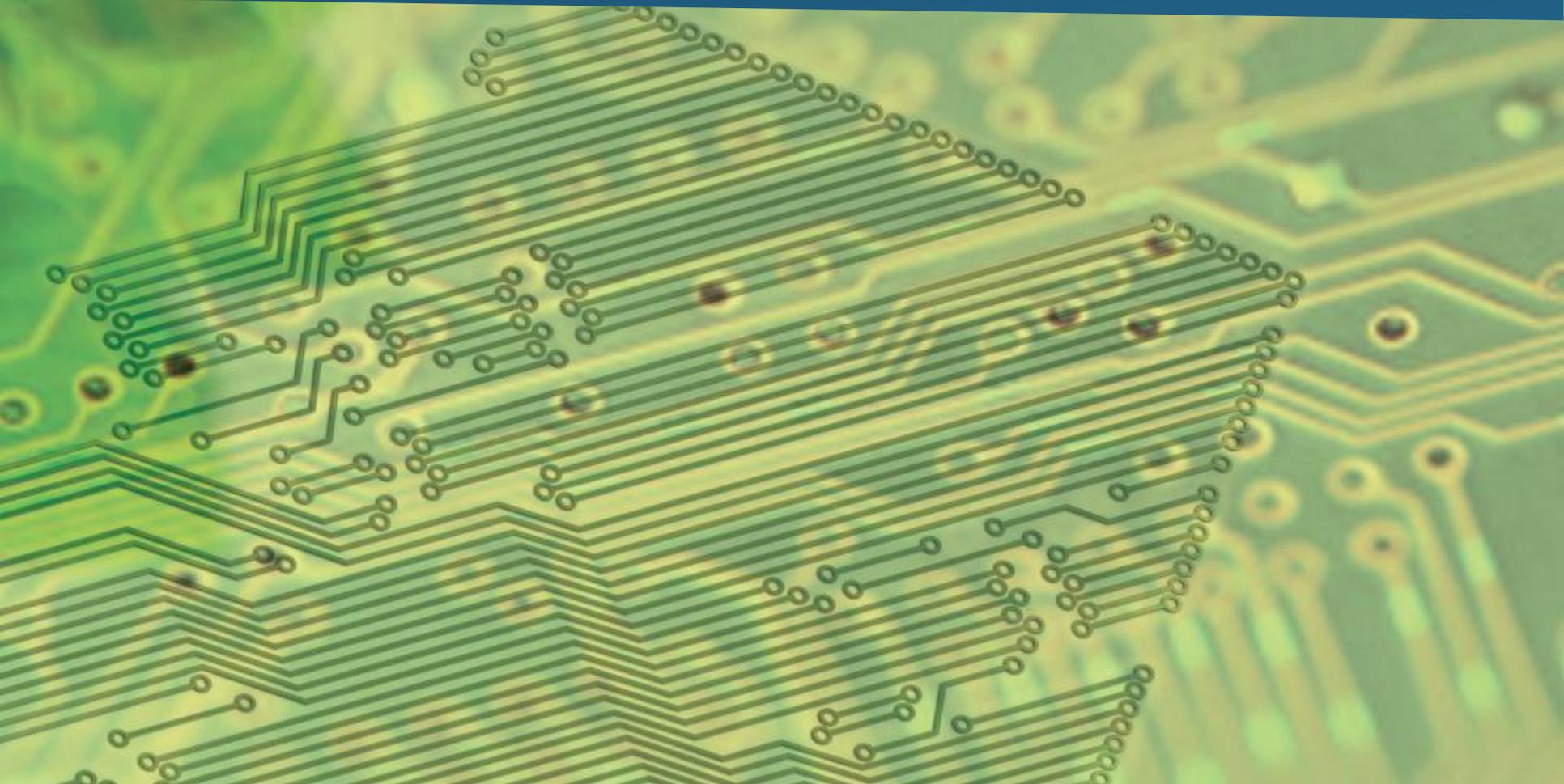
San Salvador
March 19th, 2013

Daniela Torres Espinosa
Global Manager of Green ICT & Environment
Telefónica S.A

March, 2013

Contenido

01 Green ICT & Environment in Telefónica

2012

315 million customers
211 -> LATAM

Integrated ICT Services

Presence in 25 países

270.000 profesionnals

Telefónica
Marca Institucional

O₂
Marca Comercial

movistar
Marca Comercial

vivo
Marca Comercial

Environment, Energy & Climate Change Policy

|	
Environment Policy	Principles of Eco-eficiency Climate Change & Green ICT
Corporate Governance	Department of Green ICT & Environment Climate Change Office
Environmental Management	ISO 14001 certification in 65 % operaciones
Energy & Climate Change	Carbon Footprint Local Energy Managers Energy & CO_2 Targets
Green ICT Services	Green TIC Services (transport, Smart buildings, smart grids and smart cities)

OUR *communities* CAN TRUST US.

Development of Society

We contribute to the social, technological and economic development of the countries where we operate, investing in telecommunications infrastructure, creating jobs and developing products and service that contribute to the development of society.

We collaborate in civic, community and not for profit organizations and with public initiatives aimed at eradicating social problems in those local communities in which we operate by providing our capabilities and our technology.

Environment

We are committed to sustainable development, protecting the environment and reducing any negative impact we might have on our surroundings.

Environment, Energy & Climate Change Strategy
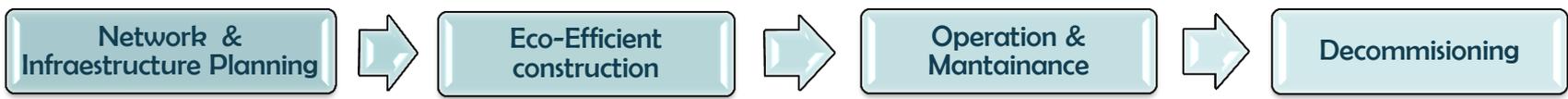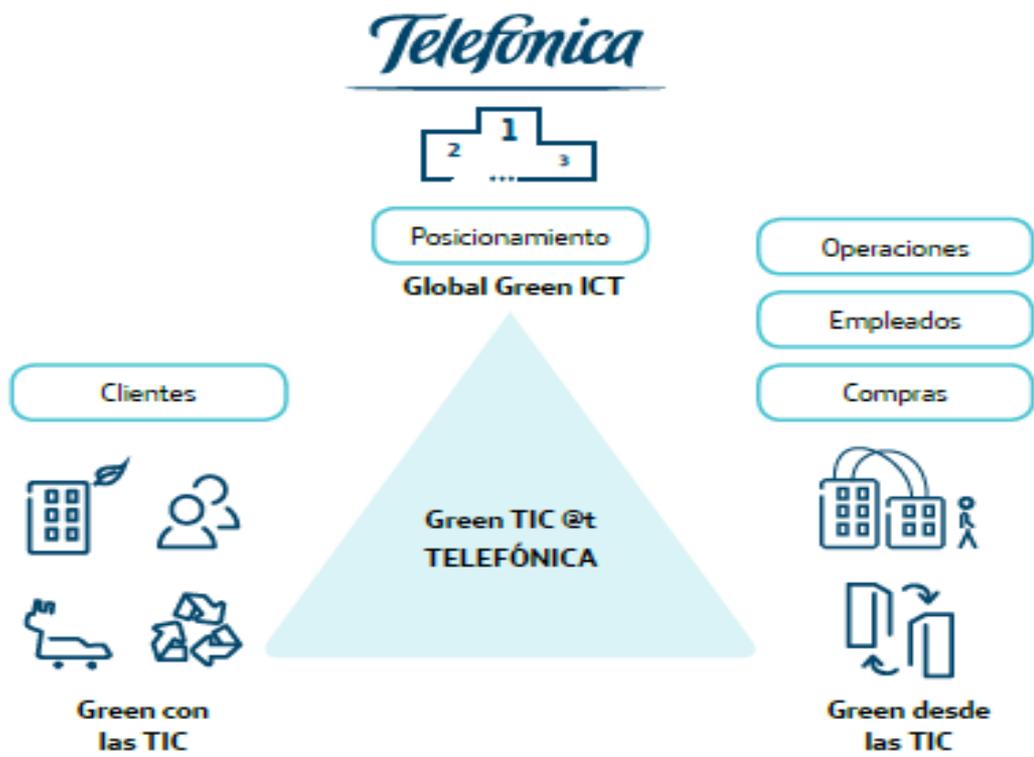
Responsible Network Deployment for Fixed and Mobile Networks

Green
"Environment"

+

ICT
"Information and Communication technologies"

=

GREEN ICT

Scope

Environment	Eco-efficiency & Environmental risk mangamente	To prevent pollution by the use of ICTs
Energy & Climate Change	To reduce energy consupmtion and GHG emissions	To reduce energy consumption & Co2 emissions by ICTs use

ICT SECTOR   **NON- ICT SECTOR**

Green ICTs are:

✓ Internal Eco-efficiency for energy, CO2, water and waste

✓ Effective management of local and global environmental risks.

✓ Deliver Green ICT services for efficient management of water, waste, energy, etc.

E-waste management Policy of Telefónica

- ✓ To promote E-Waste management models according to local environmental legislation and principles of shared responsibility.

- ✓ To manage E-waste in Telefónica operations under principles of eco-efficiency

- ✓ To promote standards that reduce the generation of E-Waste and improve the eco-design of EEE for telecommunications services

- ✓ To develop procurement policies for EEE for telecommunications services that facilitate their re-use and recycling at the end of its useful life.

- ✓ To provide our customers environmentally responsible options when disposing their devices and provide information on responsible management of E-Waste

- ✓ To control the reuse and recycling processes of e-waste management from service providers, ensuring compliance with environmental legislation and our Business Principles

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(European Directive 2012/19/EU*)

Electric & electronic equipment (EEE): equipment which is dependent on electric currents or electromagnetic fields in order to work properly and equipment for the generation, transfer and measurement of such currents and fields.

Electric and Electronic Waste (E-WASTE or WEEE): electrical or electronic equipment which is waste, including all components, sub-assemblies and consumables which are part of the product at the time of discarding;.

Categories (anex I)

1. Large household appliances

2. Small household appliances

3. **IT and telecommunications equipment**

4. Consumer equipment and photovoltaic panels

5. Lighting equipment

6. Electrical and electronic tools (with the exception of large-scale stationary industrial tools)

7. Toys, leisure and sports equipment

8. Medical devices (with the exception of all implanted and infected products)

9. Monitoring and control instruments

10. Automatic dispensers

* Last version . July, 2012

Managing Department of Green ICT & Environment
Telefónica S.A

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Operations
Fixed and mobile networks
- RF equipment
- Antennas
- Test equipment,
- etc. .

Ofices & Shops
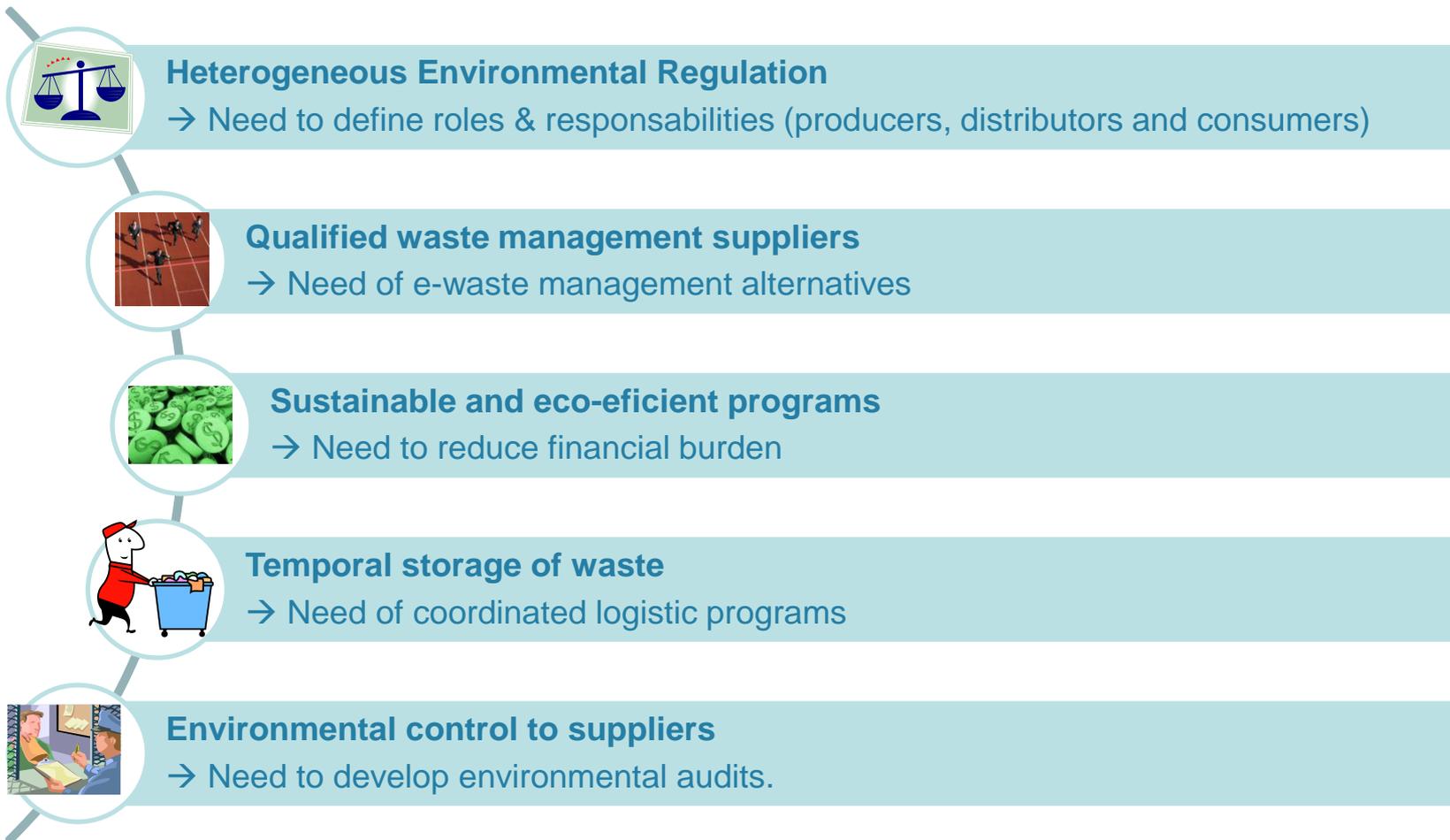- PCs
- telephones
- fax, TVs
- technical service devices

Residential and corporate customers
- mobile phones
- routers
- fixed phones
- PCs

✓ Delivery to qualified waste management suppliers
✓ Recovery of equipment by manufacturers
✓ Recycling and buy back programs for mobile phones

E-Waste management challenges

Heterogeneous Environmental Regulation
→ Need to define roles & responsabilities (producers, distributors and consumers)

Qualified waste management suppliers
→ Need of e-waste management alternatives

Sustainable and eco-eficient programs
→ Need to reduce financial burden

Temporal storage of waste
→ Need of coordinated logistic programs

Environmental control to suppliers
→ Need to develop environmental audits.

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03 Importance of Green ICT Stantdards for E-Waste Management

Green ICT standards and E-waste management

- Expertice on ICTs, environment and climate change

LIFE CYCLE ANALYSIS APPROACH

CONSENSUS AMONG ALL PARTIES

EFICIENCY & TRANSPARENCY ON E-WASTE MANGEMENT

- Discussion between governments and ICT companies (manufacturers & operators)

- Promotion of eco-design, re-use and responsible management
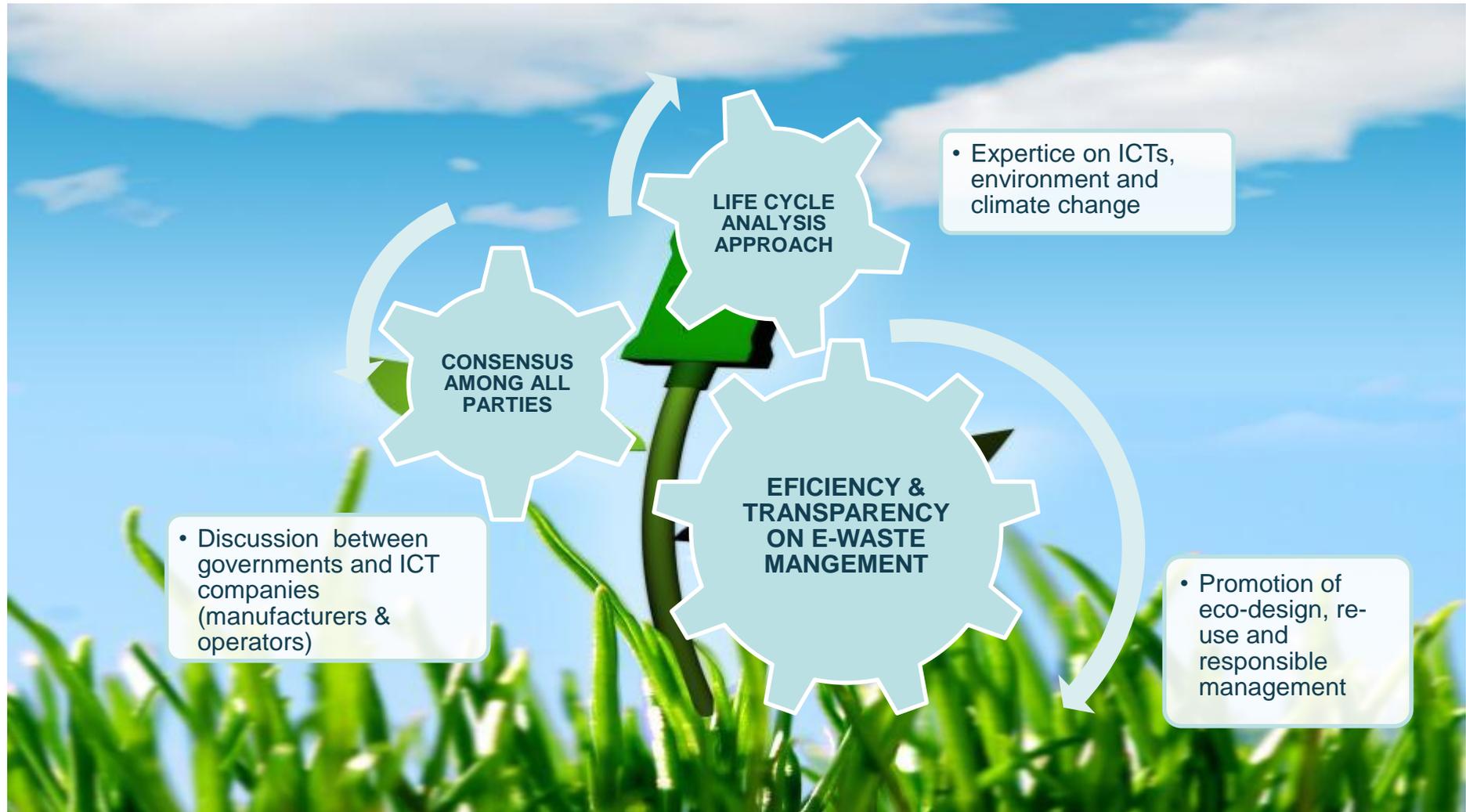
GRACIAS

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