

Steps towards circularity in hotel operation

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IMPORTANCE OF TOURISM

https://www.e-unwto.org/doi/pdf/10.18111/9789284422456

2019-10th consecutive year of sustained growth

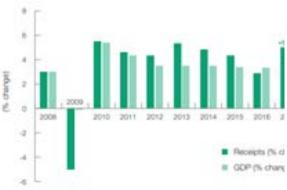








Between 2009 and 2019, real growth in international receipts (54%) exceeded growth in world GDP (44%)



International tourism receipts and world GDP (real change, %)
Season (Rest) Season Organization (JRRTS) and Receipts Market (Season Fund (JRRT))



Export revenues from tourism

Total exports from international tourism reached USD 1.7 trillion in 2019

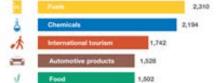
- Export earnings from international tourism travel and passenger transport are an important source of foreign revenues for many destinations around the world, helping to create jobs, promote enhancementally and develop local economies.
- Tourism is a key component of export diversification both for emerging and advanced economies, with a strong capacity to reduce trade deficits and to compensate for unable report exercise transitions and records and records.
- For many small developing countries, including most Small Island Developing States, tourism is a major source of foreign-currency income, which can represent up to 90% of total exports.

Tourism generates USD 5 billion a day in exports



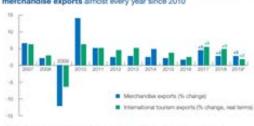
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Export earnings by product category, 2019 (USD billion)

Export revenues from international tourism have grown faster than merchandise exports almost every year since 2010



Export revenues from international tourism and merchandise exports (% change)

Sustainability and competitiveness go hand in hand as destinations and businesses can become more competitive through the efficient use of resources, the promotion of biodiversity conservation and actions to tackle climate change.

Sustainability, a key part of tourism policies in 101 UNWTO Member States surveyed



Consumer travel trends

- Travel 'to change'
 Live like a local, quest for authenticity and transformation.
- Travel 'to show'
 'instagramable' moments, experiences and destinations.
- Pursuit of a healthy life
 Walking, wellness and sports tourism.
- · Rise of the 'access' economy.
- Solo travel & multigenerational travel
 as a result of aging population and single households.
- Rising awareness on sustainability zero plastic and climate change.

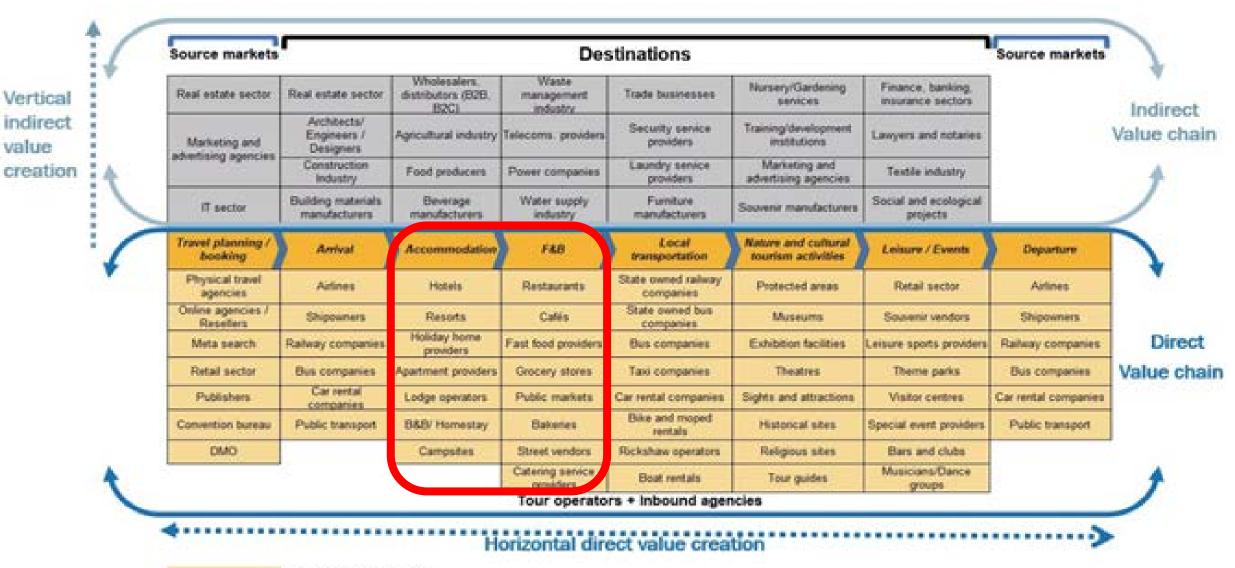
https://www.e-unwto.org/doi/pdf/10.18111/9789284421152

TOURISM INDUSTRY VALUE CHAINS

Tourism service providers

Other service providers

Tourism service chain (+ service providers)



https://circulareconomy.europa.eu/platform/sites/default/files/circular-economy-in-travel-and-tourism.pdf

SUSTAINABLE HOTELS - OPTIONS FOR CIRCULARITY?



BASIC PRINCIPLES OF CIRCULAR ECONOMY





Circulate materials

Extracted resources maintain their value for as long as possible



Regenerate nature

Returning biological nutrients whenever possible

In a circular economy, manufacturers recover used products, components and materials, to reuse them new products. This recovery and reuse decreases the need for raw materials. When done right, circularity represents a significant business opportunity, capturing the value embedded in used products.

Linear vs. Circular economy





Circular Economy - short timeline

1960s

Concepts builds upon industrial ecology



1980s

Concept of a closed economy in loops first presented to the EC



1990s - 2000s

Concept, though not explicitly named, is popularized in the popular literature

2015

First EU CiE Action Plan



2013

Ellen MacArthur Foundation publishes 3 big reports on the CiE

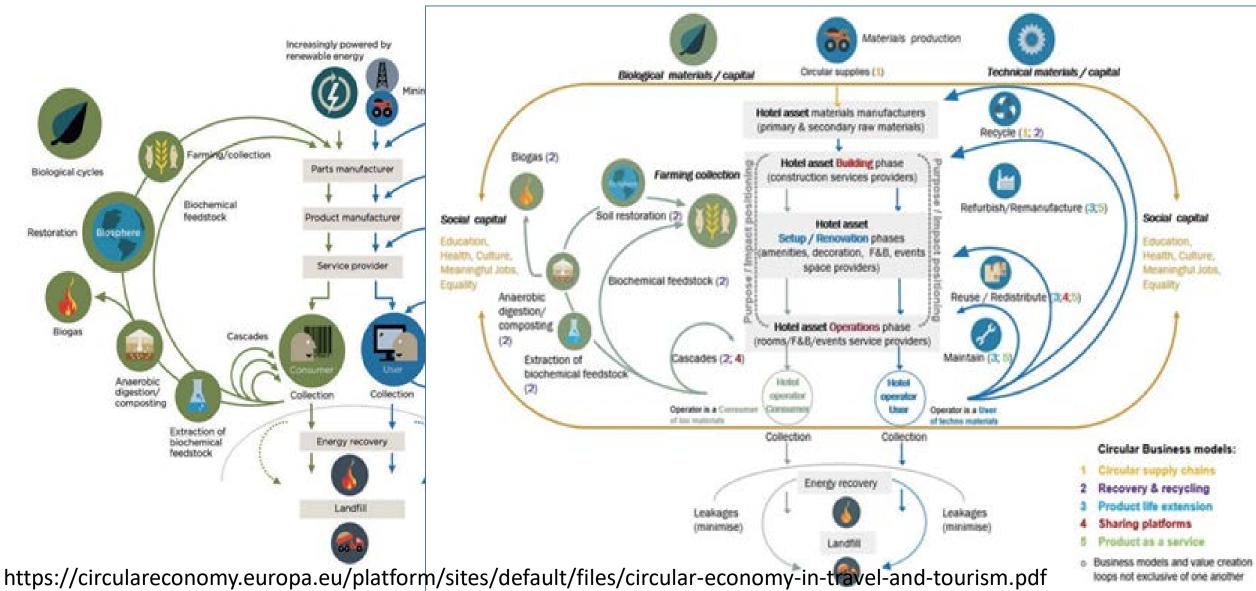


today

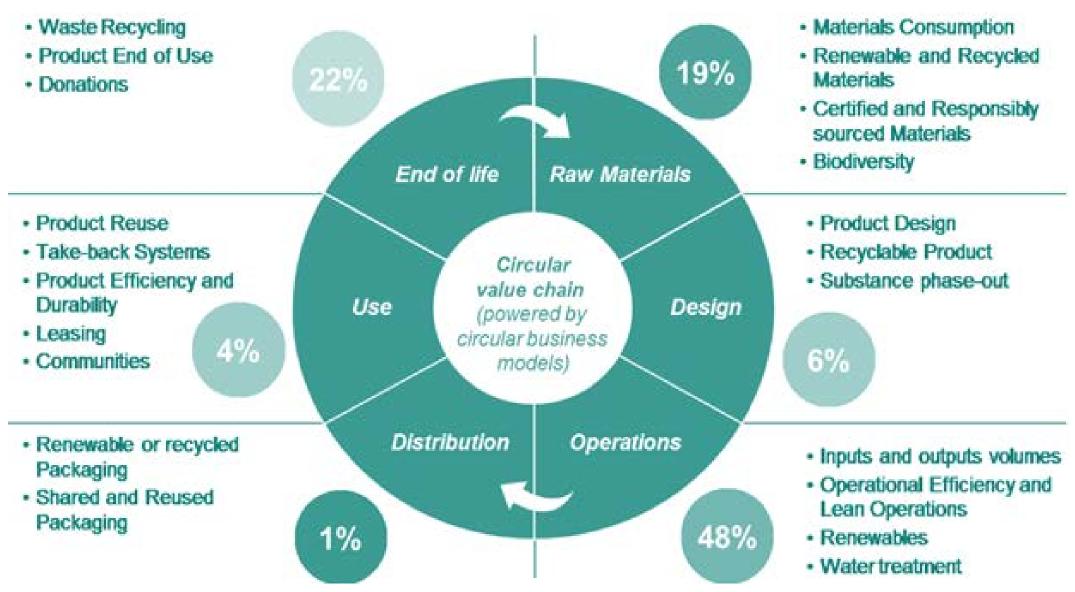
Indivisible part of the EU Green Deal

BUTTERFLY DIAGRAM

(Ellen MacArthur Foundation, 2013)



CIRCULAR METRICS ALONG THE LIFE CYCLE



https://www.wbcsd.org/Programs/Energy-Circular-Economy/Factor-10

POTENTIAL CIRCULAR ACTIVITIES IN HOTELS

Sustainable buildings
Passive houses
Adaptive re-use
(Green hotel 2x expensive)
Durability

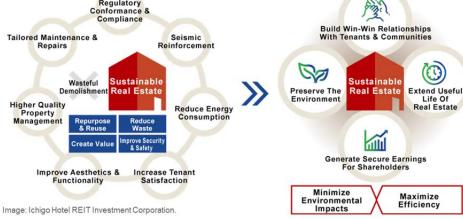
Recycled materials
Leasing
Sharing economy
Home-grown

Donation
Composting
Water treatment
Grey water

Selecting waste Hazardous waste Food waste



ESG-Compliant Hotel Real Estate



Sourcing locally
Sustainable procurement
Local suppliers – less
transport, less carbon
emission, SMEs

Less energy, renewable Less water consumption Less paper and plastic

Furniture Textile Maintenance











MATERIALS AND RESOURCES







PROVISION OF SERVICES

Constructions:

Materials (building and installations)

Technical installations:

Energy

Water network:

- Water
- Energy

Supplies

- Water
- Energy

Food supplies:

- Food
- Drink

Fabrication:

Textiles

Cosmetics / toletries:

- Gels and soap.
- Toiletries

Chemical products:

- Detergents
- Paints
- Fertilisers
- Swimming pools chemycals

Stationery and Communication

- Leaflets and menu cards
- Signs and signage
- Digital storage
- Paper, envelopes, bags, etc.

Furnishings and equipment:

- Furniture (interior/exterior)
- Electronic equipment and parts
- Electrical appliances
- Fixtures and fittings
- Tabloware
- Tools for maintenance (gardens, swimming pools, etc.)
- Sports equipment.

Vehicles:

- Cars
- Minibuses
- Scooters
- Bikes and skates.
- Buggles

Accommodations

- Water and energy
- Textiles.
- Gels, soap and bathroom products
- Deterpents and paints
- Leaflets, signage and paper
- Furniture, fotures and fittings
- Visiticies

Restorations

- Water and energy
- Food and drink
- Textiles
- Detergents and paints
- Menu cards, signs and signage
- Electrical appliances and tableware

Legure

- Water and energy
- Textiles
- Geis, soap and bathroom products
- Fertilisers and chemicals for swimming pools
- Furniture and sports equipment
- Vehicles

Commerce.

- Water and energy
- Detergents and paints
- Paper, envelopes, bags, etc.
- Furniture and equipment



LINES OF ACTION TO ENSURE THE INTEGRATION OF CIRCULAR STRATEGY

POTENTIAL METRICS IN HOTELS

Guidelines for circular production and consumption	Key indicators (KPts)
Reduce	12.2.1. The energy consumption from renewable sources in total and per stay. Per type: (i) Solar; (ii) Wind; (iii) Biomass.
	12.2.2. The water consumption in total and per stay from: (i) Self-sufficiency; (ii) Purification and recovery of grey waters; (iii) Third party supply.
	2.2.3. The number of measures designed to minimise the presence of contaminating substances in the supply of: (i) Textile products; (ii) Chemical products; (ii) Cosmetic products and toiletries; (iv) Stationery, signage and communications; (v) Electronic equipment and components.
	12.2.4. The number of zero food miles. The percentage of local suppliers.
	2.2.5. The percentage of products on the shopping list per type and packaging: (i) Loose; (ii) Single-use; (iii) Reusable containers; (v) Single-use containers.
	12.2.6. The percentage of furniture and equipment supplies classified as rented.
Recycle	2.2.7. The annual quantity of purified water per establishment.
	2.2.8. The minimum percentage of recycled materials contained in the textile products on the company's list of supplies.
A Reuse	12.2.9. The percentage of purchases of furnishings and equipment with components subject to the universality criteria.
Restore	I2.2.10. The number of repairs required before moving on to renovating the furnishings of equipment.
Remanufacture	2.2.11. The level of importance given to the criterion for the supply of furnishings and equipment: (i) Energy efficiency; (ii) The guarantee expiry date; (iii) Post sales maintenance; (iv) Use of recycled materials; (v) Acquisition by renting; (vi) The universality of the components; (vii) Feasibility of assembly/disassembly.

THANK YOU FOR YOUR KIND ATTENTION!

