

## Zero Waste Islands

Transforming island communities:  
going zero waste, growing sustainably

# Waste management and circular economy in the islands' area of Greece - the LIFE IP CEI-Greece actions on 5 island communities

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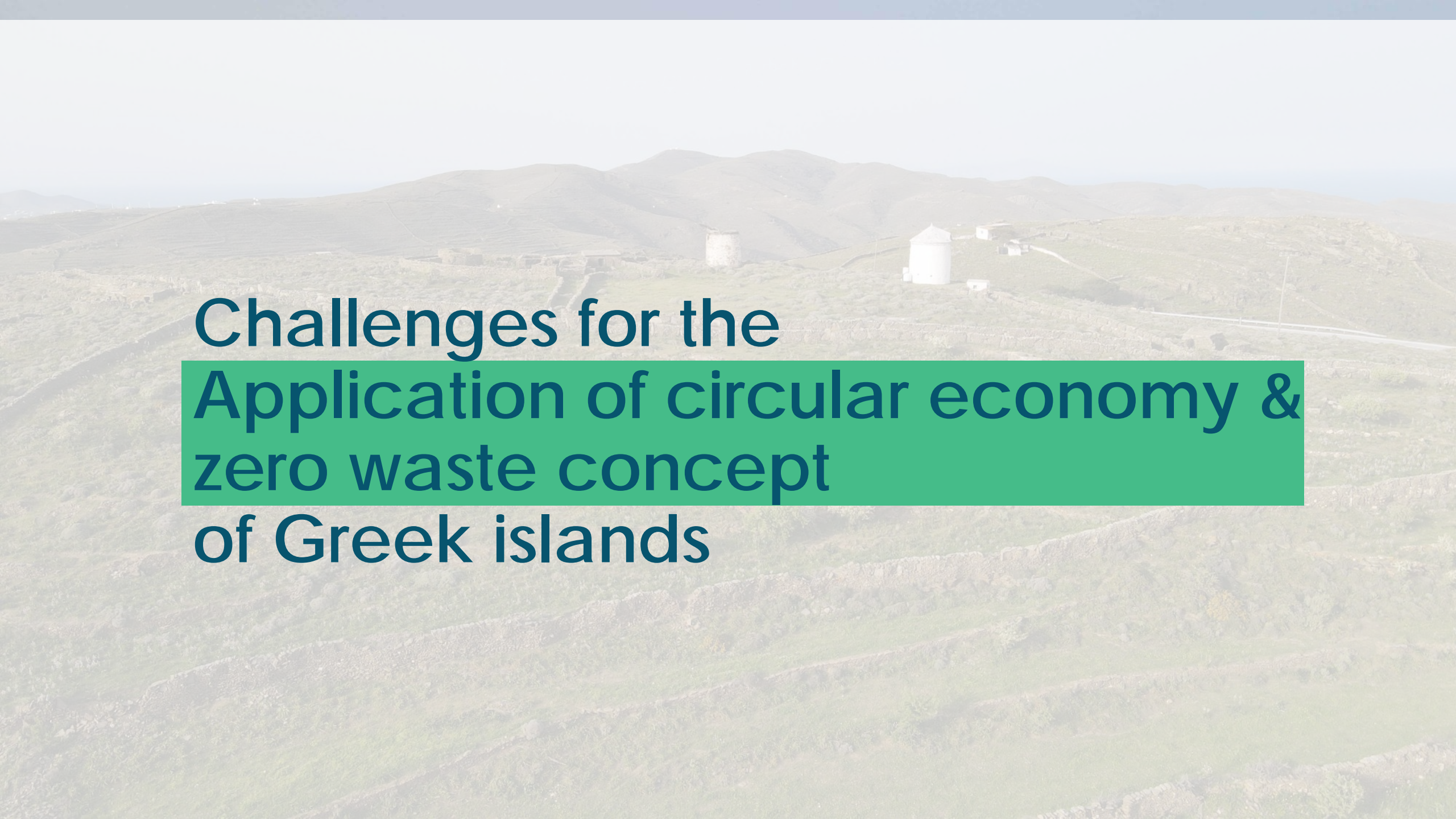
In the framework of:



LIFE-IP CEI-Greece | Circular Economy Implementation in Greece  
LIFE18 IPE/CR/000013

Co-funded by:



An aerial photograph of a Greek island landscape. The terrain is hilly and covered in green vegetation, with terraced fields visible in the foreground. In the middle ground, there are several stone buildings, including a prominent white cylindrical structure. The background shows rolling hills under a clear sky.

# Challenges for the Application of circular economy & zero waste concept of Greek islands

Dependence of the local economies on tourism  
**High operation cost for local infrastructures**

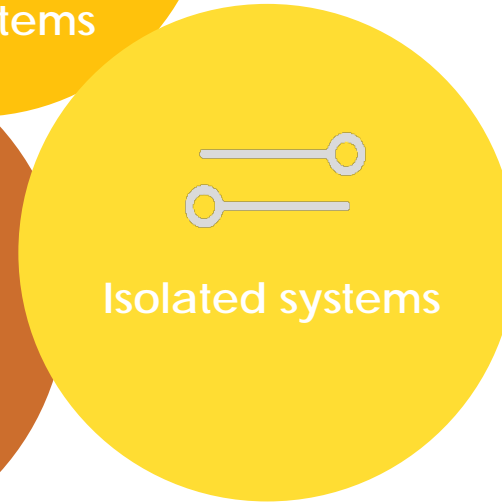


Natura, archaeology, traditional architecture  
**Limited available space, competitive land uses**

Difficulties to operate the infrastructures.  
**Dependence on off-island support**

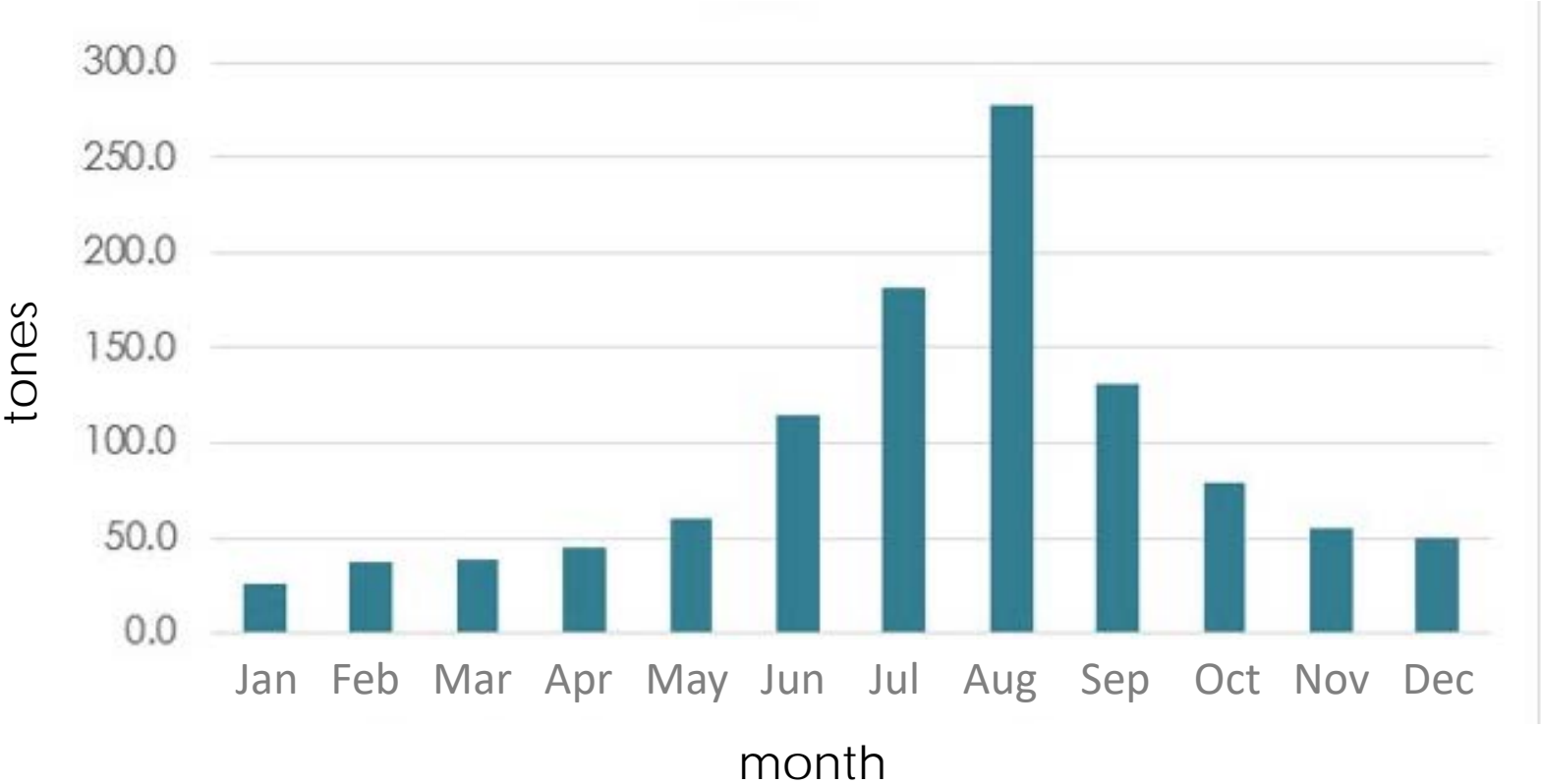


Restrictions related to **sea transports** and **lack of economy of scales**



**Great increase of waste generation** during summer months due to tourism

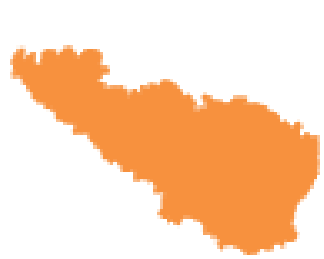
# Waste generation seasonality



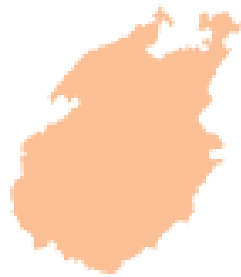
**Requirement for a tailor-made approach based on the specificities of each island that can also support the coupling of the island's rural with tourism economy**



## The LIFE IP CEI-Greece actions on 5 island communities



TINOS



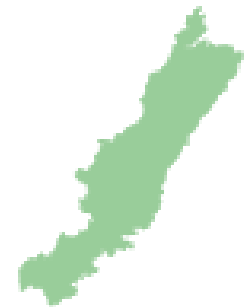
PAROS



ANTIPAROS



THIRA



ALONNISOS



# Application of circular economy in

## TINOS ISLAND

Region of south Aegean



**circulargreece**  
*ώρα για δράση*

# Application of circular economy in Tinos

Optimization of operation of the social cooperative "KALLONI-KELIA" and its collaboration with the municipality.

- Optimization of the separation process.
- Expansion of separate collection network.



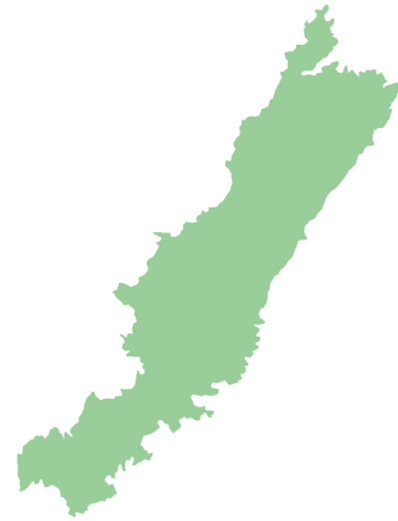


# Application of circular economy in Tinos

## *Addressing the increased waste generation during peak tourism season*

- Optimization of the waste collection system
- Door-to-door collection of recyclable municipal waste from tourism businesses, separately sorted at source
- Raising awareness and waste prevention actions





# Application of circular economy in **ALONNISOS ISLAND**

Thessaly Region



# Application of circular economy in Alonnisos

*Enhancement of current good practices*



# Application of circular economy in Alonnisos

## ZERO WASTE Beaches

- Separate collection of recyclable municipal waste targeting businesses and general public
- Door-to-door collection of sorted recyclable municipal waste from businesses
- Beach cleaning actions
- Raising awareness and waste prevention actions
- Mobilization of school community





# Application of circular economy in **ANTIPAROS ISLAND**

Region of south Aegean



# Application of circular economy in Antiparos

## ZERO WASTE & CIRCULAR RESTAURANTS

- Implementation of a source separation scheme in the catering sector targeting all types of produced waste
- Food waste prevention actions

## *Enhancement of current good practices*





# Application of circular economy in **PAROS ISLAND**

Region of south Aegean



# Application of circular economy in Paros

## *Tackling waste production seasonality of HORECA sector*

- Bulky Waste Management aiming to mitigate mainly the effects of the hospitality sector
- Textiles valorisation and creation of a “second hand network”

## *Development of an holistic management scheme for fishing waste*

## *Enhancement of current good practices*







# Application of circular economy in THIRA ISLAND

Region of south Aegean





# Application of circular economy in Thira & Thirasia

*Tackling waste production seasonality of tourism sector*

- Raising awareness and targeted actions to the tourist industry, focusing in reduction, reuse, separate collection of municipal waste

*Transition of the island of Thirasia to a "zero waste island"*

# Raising awareness and stakeholder engagement actions



# Engagement of school community





# Engagement with local stakeholders





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THANK YOU!



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Network of Sustainable Greek Islands

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