

HOTELS climate
επιχειρώ για το κλίμα



INSETE



Hotels4Climate

Fostering GHG reduction in
the Cypriot and Greek hotel
industry

Anthi Charalambous
Director of Energy & Environment
Department
Cyprus Employers & Industrialists Federation
(OEB)
acharalambous@oeb.org.cy

On behalf of:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety

of the Federal Republic of Germany



European
Climate Initiative
EUKI

General Information about Hotels4Climate project

Start date: 1/10/2019

Duration: 23 months (August 2021)

Funding source: European Climate Initiative
(EUKI)



On behalf of:

Collaborating partners

Cyprus

Cyprus Employers and Industrialists Federation (OEB)

Greece

Institute of Greek Tourism Confederation (INSET)

Germany

adelphi research gGmbH (adelphi)

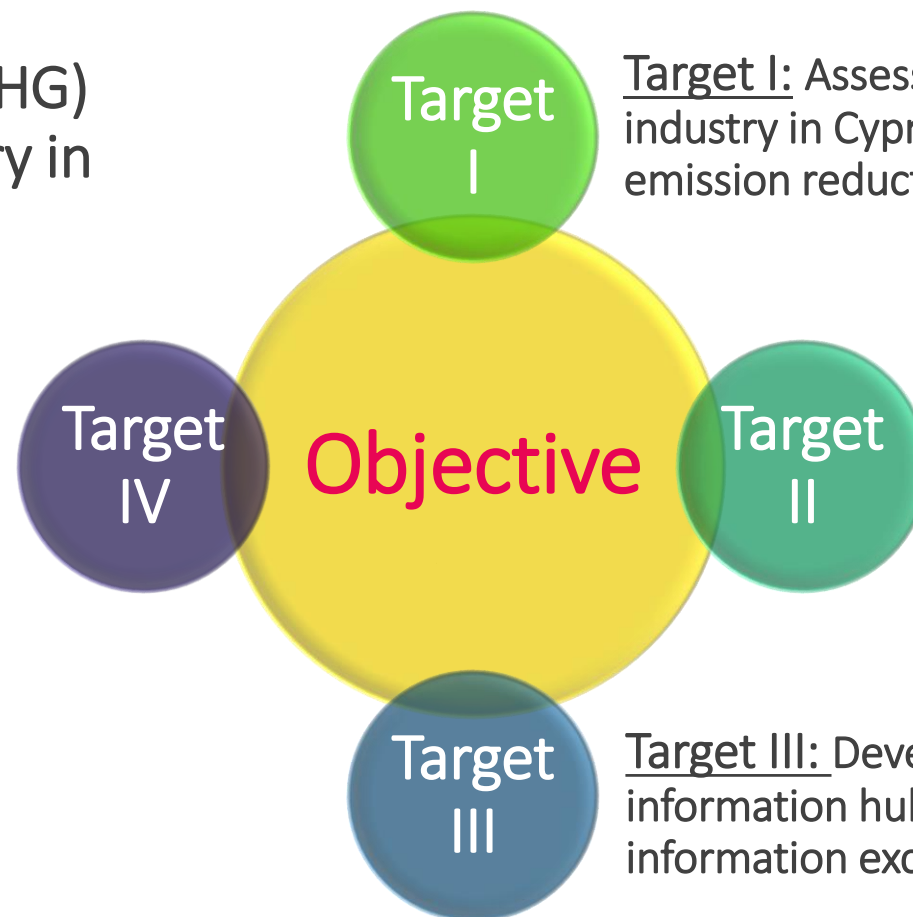


On behalf of:

Hotels4Climate Objective and Targets

Objective: Facilitation of greenhouse gas emissions (GHG) reduction in the hotel industry in Cyprus and Greece

Target IV: Promotion of circular economy in the hotel industry in Cyprus and Greece



Target I: Assessment of the current state of the hotel industry in Cyprus and Greece and its potential for GHG emission reduction

Target II: Capacity building and training of hoteliers on GHG emissions reduction and energy savings

Target III: Development of online information hub with tools and information exchange database

Final goal is to reduce GHG emissions from Hotels in Greece & Cyprus



Estimating greenhouse gas emissions

Cyprus: 221.873 tonnes CO₂-eq per year

Greece: 1.616.813 tonnes CO₂-eq per year

Hotels4Climate

Estimating greenhouse gas emissions after project completion

Cyprus: 7.872 tonnes CO₂-eq per year

Greece: 130.000 tonnes CO₂-eq/yr.

On behalf of:

I. Assessment of the current state of the hotel industry in Cyprus and Greece and its potential for GHG emission reduction

1. Assessment of characteristics of the hotel industry through desk-based research and interviews
 - Design of questionnaire
 - Data collection via 20 questionnaires & 25 interviews with hotels to map the current state of the hotel industry
 - *Report on the characteristics of the hotel industry*
2. Suitable GHG reduction measures for Cyprus and Greece
 - *Report on 20 suitable low, medium and high-cost measures for GHG reduction considering the characteristics of hotel industry in Cyprus and Greece*
3. Assessment of potential for financing GHG reduction measures
 - *Report on potential financing actions for GHG reductions*
4. Workshops with key stakeholders to identify business models and best practices
 - *1 workshop to identify 20 good practices and business models (hotels, financial institutions, local authorities) - 20 participants*
5. Green opportunities of the hotel industry after the COVID-19 lockdown exit
 - *Report on potential green restart measures of the hotel industry after the COVID-19 lockdown exit*

On behalf of:



of the Federal Republic of Germany



I: Assessment of the current state of the hotel industry in Cyprus and Greece and its potential for GHG emission reduction

1. Assessment of characteristics of the hotel industry through desk-based research and interviews

- Design of data collection questionnaire
- Data collection via 20 questionnaires & 25 interviews with hotels to map the current state of the hotel industry
- Report on the characteristics of the hotel industry (expected December 2020)



ΕΡΩΤΗΜΑΤΟΛΟΓΙΟ ΣΥΛΛΟΓΗΣ ΕΝΕΡΓΕΙΑΚΩΝ ΔΕΔΟΜΕΝΩΝ ΓΙΑ ΤΟΝ ΞΕΝΟΔΟΧΕΙΑΚΟ ΤΟΜΕΑ ΚΥΠΡΟΥ ΚΑΙ ΕΛΛΑΔΑΣ

Πακέτο Εργασίας 1 (WP 1): Αξιολόγηση της ξενοδοχειακής βιομηχανίας σε Κύπρο και Ελλάδα της προοπτικής μείωσης των εκπομπών αερίων του θερμοκηπίου.
Στόχος Ι: Αξιολόγηση ξενοδοχειακού τομέα

*Έτος αναφοράς: 2018
*Για τα φθοριούχα αέρια τα στοιχεία του 2019 είναι αποδεκτά
*Υποχρεωτικά πεδία προς συμπλήρωση

Στοιχεία προς συμπλήρωση:

A1.	ΓΕΝΙΚΕΣ ΠΛΗΡΟΦΟΡΙΕΣ		
Άτομο επικοινωνίας:			
Θέση:			
Όνομα Ξενοδοχείου:			
Διεύθυνση Ξενοδοχείου:			
Στοιχεία Επικοινωνίας	Τηλ.:	Φαξ:	Email:

A2.	ΓΕΝΙΚΗ ΠΕΡΙΓΡΑΦΗ		
Έτος κατασκευής			
Αριθμός ορόφων του κτιρίου			
Εμβαδόν καλυμμένων χώρων			
Αριθμός δωματίων και κλινών			
Αριθμός επισκεπτών			
Αριθμός εργαζομένων			
Ετήσιο μέσο ποσοστό πληρότητας του ξενοδοχείου (%)			
Μήνες λειτουργίας			
Αριθμός πισινών, εσπιατορίων, κουζινών, Bars, πλυντηρίων, γυμναστηρίων, Sauna, καταστημάτων, κέντρων ευεξίας (Spa, Sauna)			
Διατίμηση Ηλεκτρισμού			
ΠΕΑ και ενεργειακή κατηγορία	ΝΑΙ <input type="checkbox"/> ΟΧΙ <input type="checkbox"/>	Αν ναι, τιμή:	
Ενεργειακός έλεγχος (ΝΑΙ/ΟΧΙ)	ΝΑΙ <input type="checkbox"/> ΟΧΙ <input type="checkbox"/>	Αν ναι, τιμή:	
Συστήματα ενεργειακής και περιβαλλοντικής διαχείρισης (π.χ. ISO14001, ISO 50001, EMAS)	Από:		
Επιθεώρηση συστημάτων θέρμανσης και κλιματισμού (ΝΑΙ/ΟΧΙ)	ΝΑΙ <input type="checkbox"/> ΟΧΙ <input type="checkbox"/>		
Ενεργειακός διαχειριστής (ΝΑΙ/ΟΧΙ)	ΝΑΙ <input type="checkbox"/> ΟΧΙ <input type="checkbox"/>		

On behalf of:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



European
Climate Initiative
EUKI

of the Federal Republic of Germany



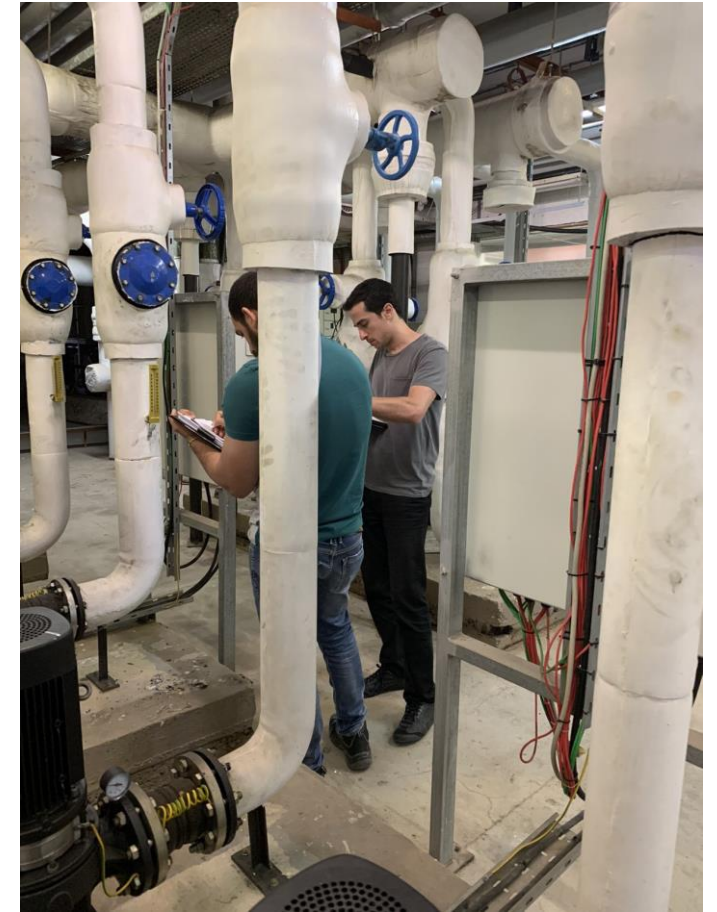
Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety

of the Federal Republic of Germany



European
Climate Initiative
EUKI

Snapshots from data collection through visits



Number of Hotels and hotel apartments in Cyprus

Total number of accommodation establishments	Number
5* hotels	29
4* hotels	65
3* hotels	84
2* hotels	51
1* hotels	26
A' hotel apartments	65
B' hotel apartments	84
C' hotel apartments	20
Other hotels and hotel apartments	396
Total	820

Green certified 4* (4-star) and 5* (5-star) hotels in Cyprus (EC, 2020o; Travelife, OEB 2020)

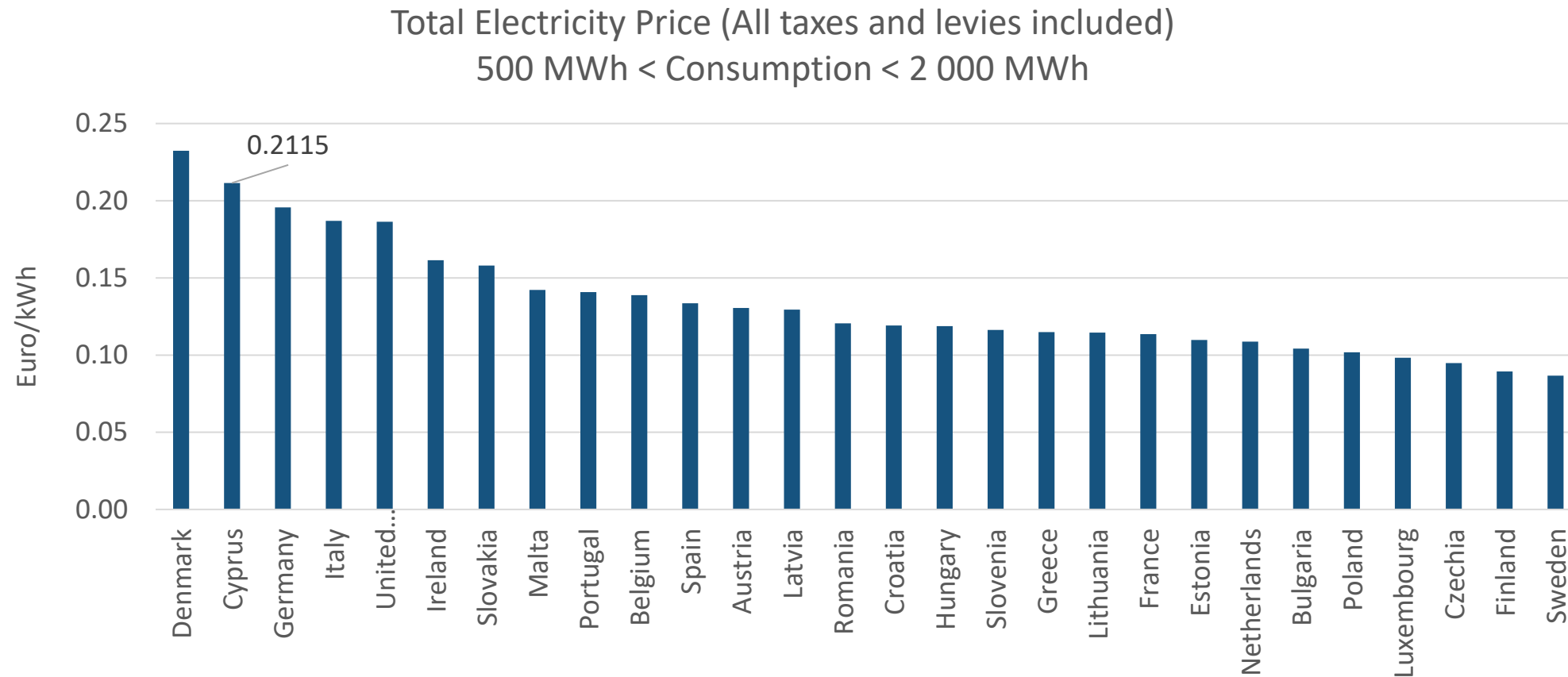
	Eco-Management and Audit Scheme (EMAS)	6 hotels
	ISO14001 Environmental Management System	19 hotels
	Travelife	24 hotels
	Green Key	5 hotels

Τελική κατανάλωση ηλεκτρικής ενέργειας (MWh) ανά οικονομική δραστηριότητα στον τριτογενή τομέα για το 2018



Συγκριτικό κόστος ηλεκτρικής ενέργειας σε κράτη μέλη και γειτονικές χώρες για μεγάλους καταναλωτές (2019 S2)

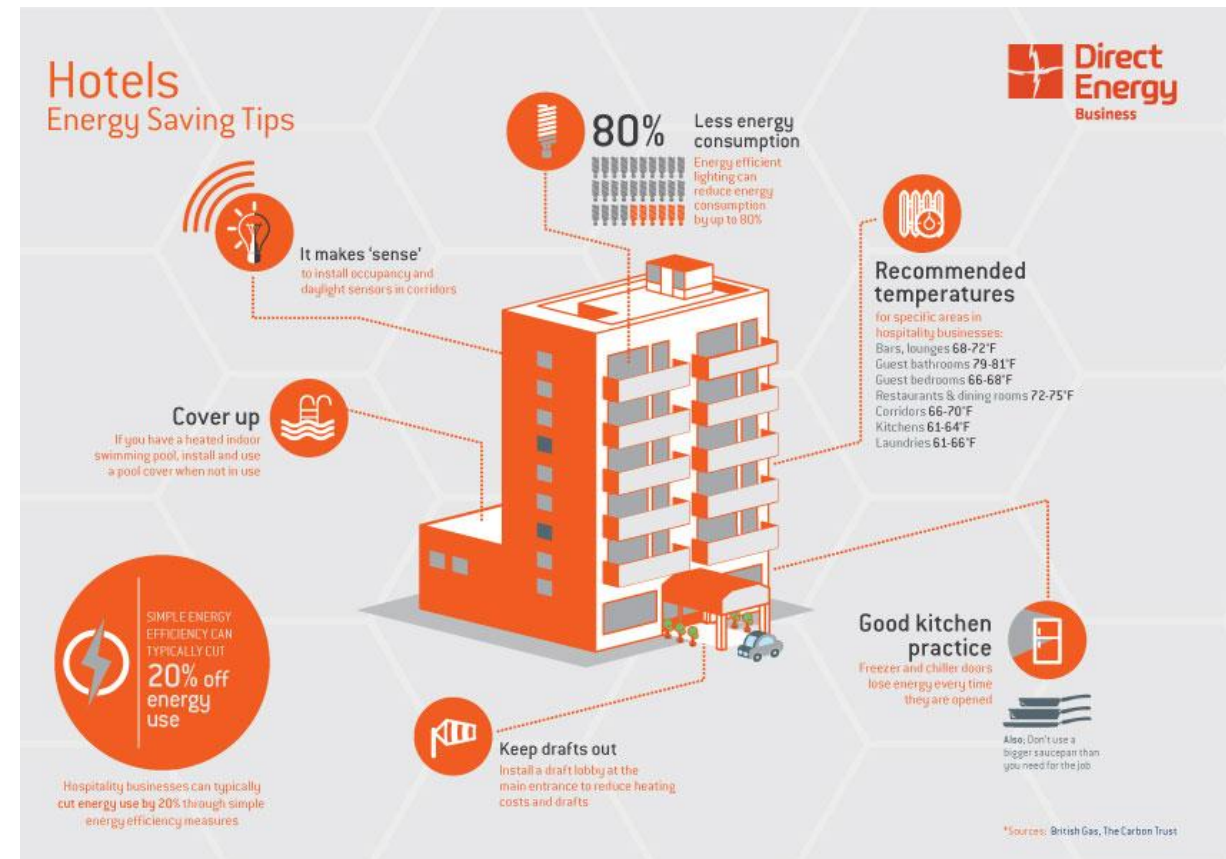
- Το κόστος ηλεκτρισμού στην Κύπρο είναι από τα υψηλότερα στην Ευρώπη



I. Assessment of the current state of the hotel industry in Cyprus and Greece and its potential for GHG emission reduction

2. Suitable GHG reduction measures for Cyprus and Greece

- Report on 20 suitable low, medium and high-cost measures for GHG reduction considering the characteristics of hotel industry in Cyprus and Greece (expected in December 2020)



<http://airconditioning-nyc.com/energy-savings-hotels-get/>

On behalf of:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



European
Climate Initiative
EUKI

of the Federal Republic of Germany



I. Assessment of the current state of the hotel industry in Cyprus and Greece and its potential for GHG emission reduction

3. Assessment of potential for financing GHG reduction measures

- Report on potential financing actions for GHG reductions (March 2020)

The report it is also available also on line:

<https://www.oeb.org.cy/drasis/hotels4climate/ektheseis-meletes/>



On behalf of:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



European
Climate Initiative
EUKI

of the Federal Republic of Germany






Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety
of the Federal Republic of Germany



European
Climate Initiative
EUKI

Available support schemes & financial instruments for hotels

	Support Schemes for RES	Tendering schemes	Quota obligations with tradable green certificates	Grants for EE	Grants for RES	Tax incentives	Education/ Training
<div>CYPRUS</div> <div></div>	✓	✗	✗	✓	✓	✗	✗
<div>GERMANY</div> <div></div>	✗	✗	✗	✓	✓	✗	✓
<div>GREECE</div> <div></div>	✗	✗	✗	✓	✓	✓	✗

I. Assessment of the current state of the hotel industry in Cyprus and Greece and its potential for GHG emission reduction

4. Workshops with key stakeholders to identify business models and best practices

- 1 workshop to identify 20 good practices and business models (hotels, financial institutions, local authorities) - 20 participants
 - Greece 18 December 2019
 - Cyprus 13 January 2020



On behalf of:



of the Federal Republic of Germany



HOTELS Climate
επιχειρώ για το κλίμα



INSETE



Διοργάνωση συζήτησης στρογγυλής
τραπέζης
13 Ιανουαρίου 2020

On behalf of:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



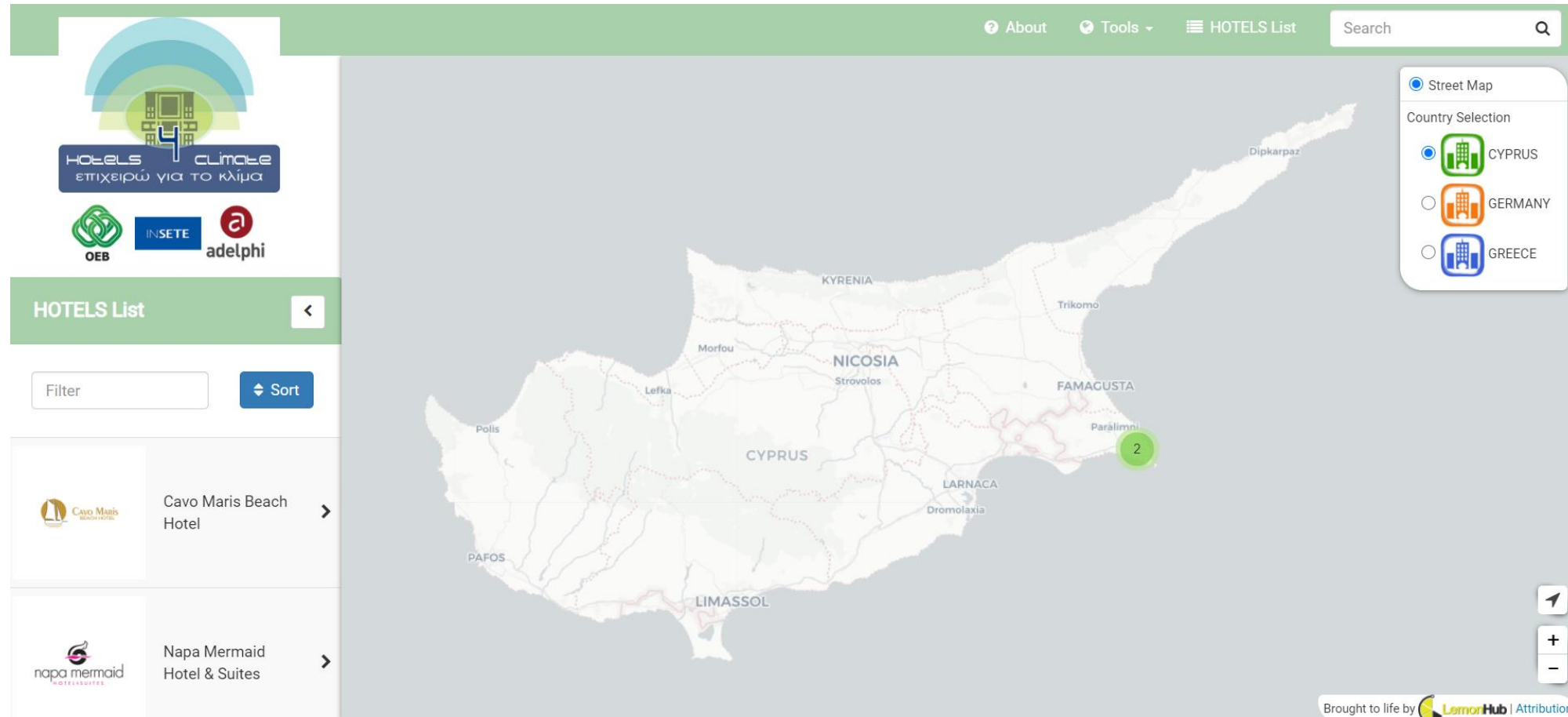
European
Climate Initiative
EUKI

of the Federal Republic of Germany

Main conclusions from Round Table discussions

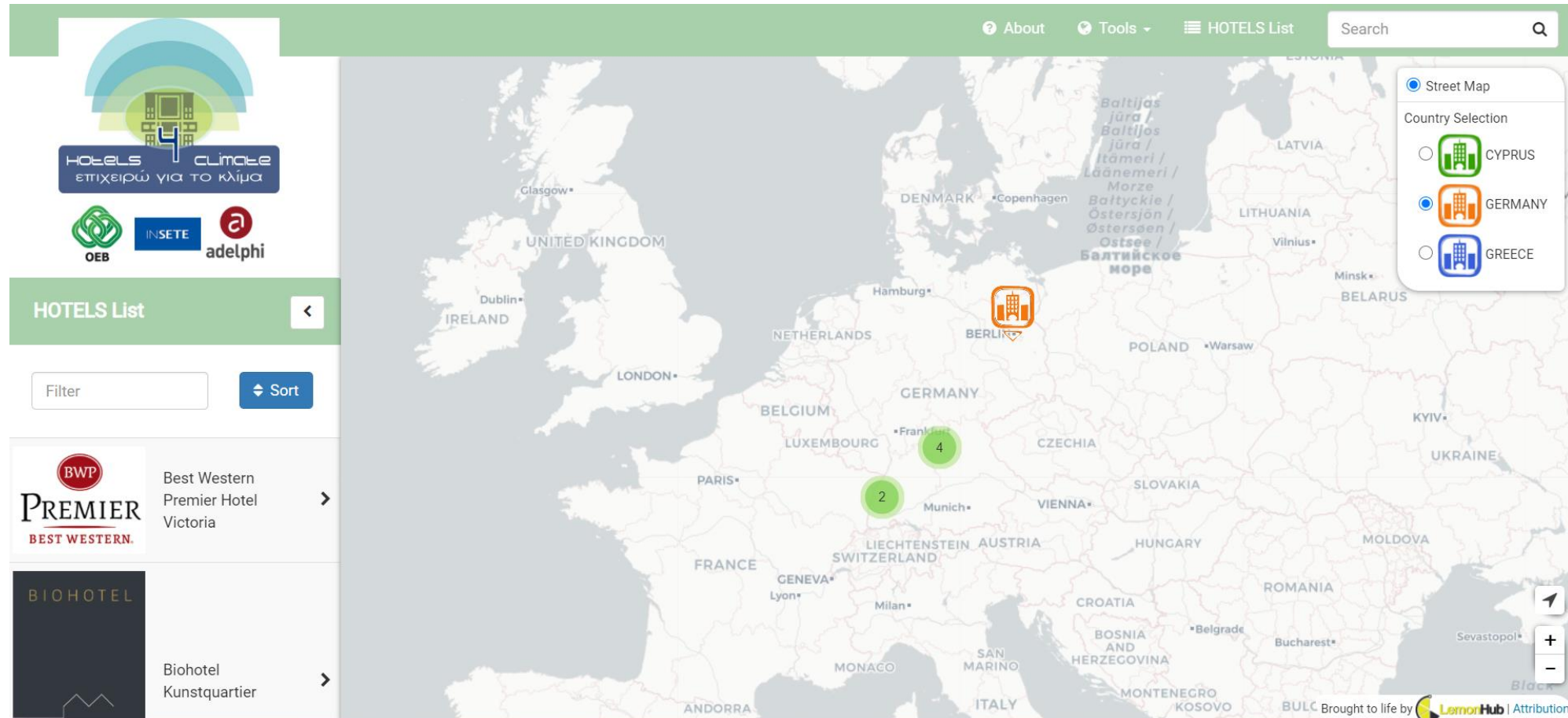
- Multiple hotels already proceeded in implementing good practices as part of their social responsibility and as a result they contribute to the greenhouse gas emissions reduction. Additionally, environmentally friendly hotels are increasingly preferred by tourists.
- Hotel representatives mentioned that information about certification (e.g. EMAS, ISO14001) is usually included in all communication activities with customers and suppliers as part of their communication strategies.
- Hotel representatives highlighted that apart from the environmental impact that is usually assessed before the implementation of any good practice, it is also very important to ensure that it will be economically sustainable.
- The National Action Plan for Climate and Energy includes provision for the development of support schemes on greenhouse gas reduction projects.
- Most of the bank representatives mentioned that they don't develop specific financing models for energy projects or climate projects. They normally examine those projects through the standard procedure of the bank of any loan. They operate on a project-basis. If an enterprise is capable to pay off a loan, then they will proceed with financing.

Hotels Good Practices in Cyprus



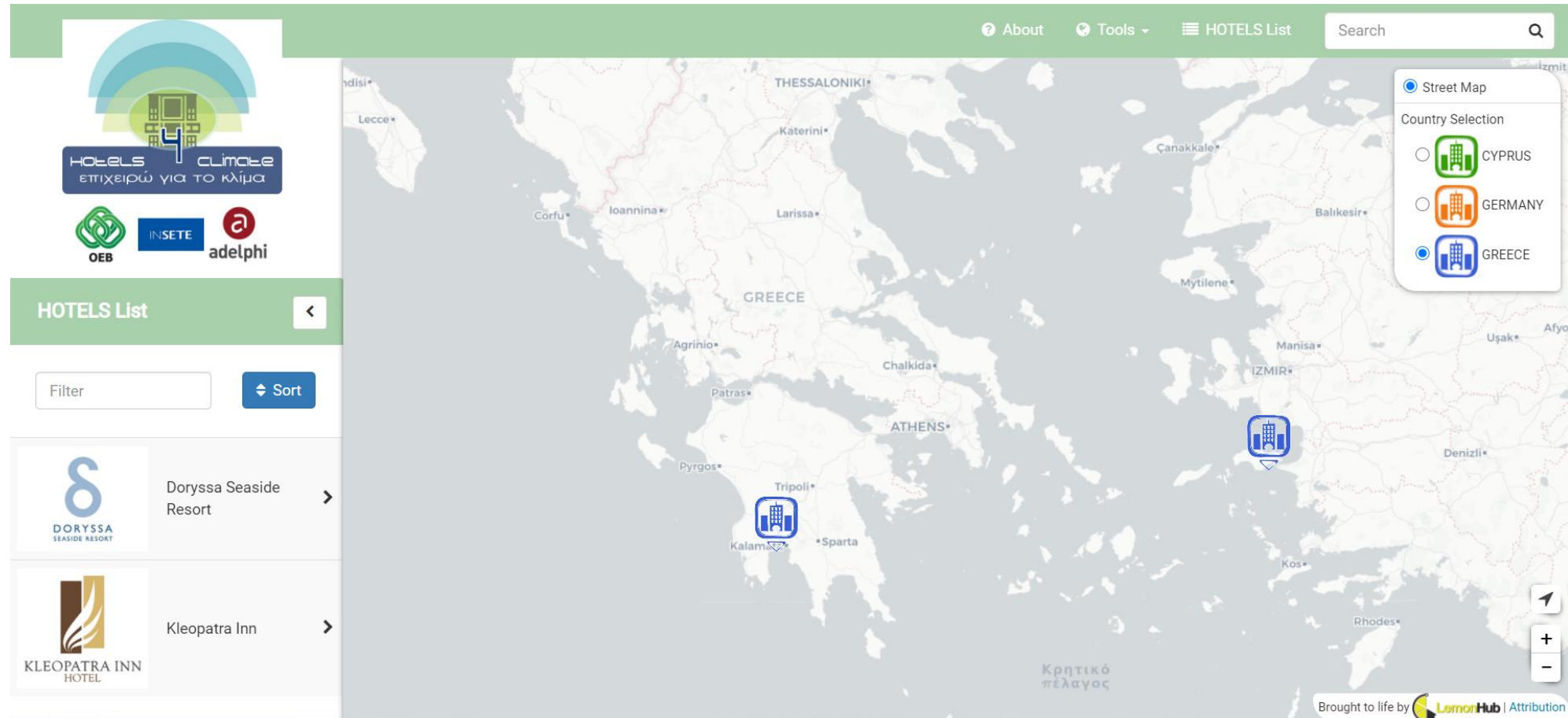
The screenshot shows the 'HOTELS List' page of the 'HOTELS CLIMATE' website. The page features a map of Cyprus with various cities labeled: KYRENIA, Nicosia, Strovolos, Famagusta, Larnaca, Dromolaxia, Limassol, Pafos, Polis, Morfou, Lefka, and Dipkarpaz. A green circle with the number '2' is placed on the map near Paralimni. On the left, there is a sidebar with the 'HOTELS List' title, a search bar, and a 'Sort' button. Below this, two hotel entries are visible: 'Cavo Maris Beach Hotel' and 'Napa Mermaid Hotel & Suites'. The top navigation bar includes links for 'About', 'Tools', and 'HOTELS List', along with a search bar. The bottom right corner of the map area includes a 'Brought to life by LemorHub Attribution' logo.

Hotels Good Practices in Germany



The screenshot shows the Hotels Climate Initiative website interface. At the top, there is a navigation bar with links for 'About', 'Tools', and 'HOTELS List', along with a search bar. Below the navigation bar, the 'HOTELS List' section is visible, featuring a filter input and a sort button. The main content area displays a map of Europe with Germany highlighted in orange. Two green circles with numbers '2' and '4' are placed on the map, indicating specific locations in Germany. To the right of the map, a 'Country Selection' dropdown menu is open, showing options for CYPRUS, GERMANY (selected), and GREECE. Below the map, a list of hotels is displayed, including 'Premier Best Western Victoria' and 'Biohotel Kunstquartier'.

Hotels Good Practices in Greece



The screenshot displays the 'HOTELS List' section of the website. On the left, there is a sidebar with the 'HOTELS climate' logo, the OEB, INSET, and adelphi logos, and a 'HOTELS List' header. Below this, there are 'Filter' and 'Sort' buttons. A list of hotels is shown, including 'Doryssa Seaside Resort' and 'Kleopatra Inn Hotel'. The main area features a map of Greece with a blue icon indicating the location of the selected hotel. A 'Country Selection' dropdown menu is visible on the right, showing options for Cyprus, Germany, and Greece (selected). The map includes labels for various Greek cities and regions.

I. Assessment of the current state of the hotel industry in Cyprus and Greece and its potential for GHG emission reduction

5. Green opportunities of the hotel industry after the COVID-19 lockdown exit

- Report on potential green restart measures of the hotel industry after the COVID-19 lockdown exit (October 2020)



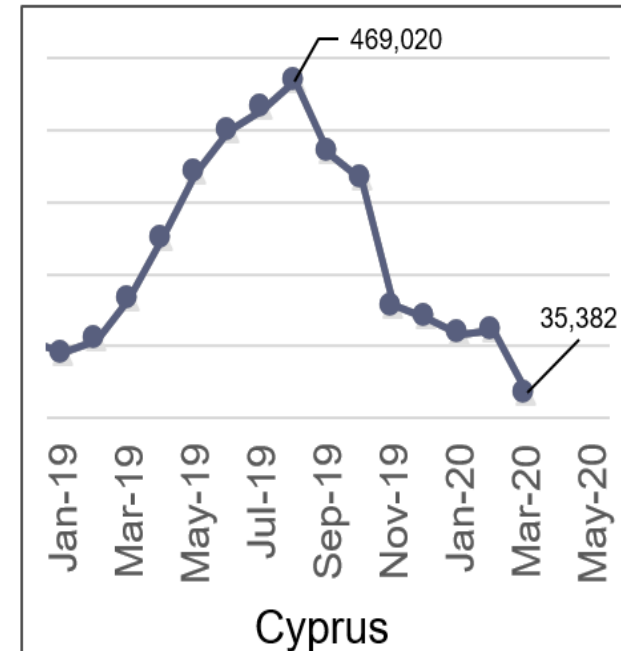
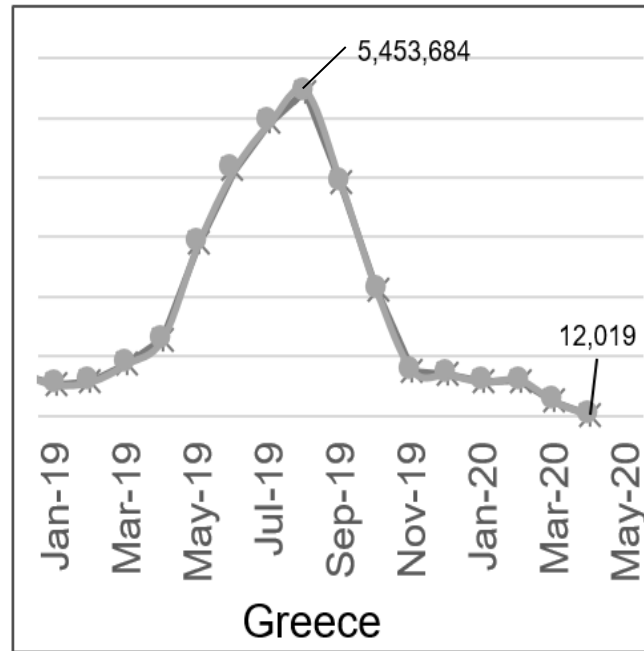
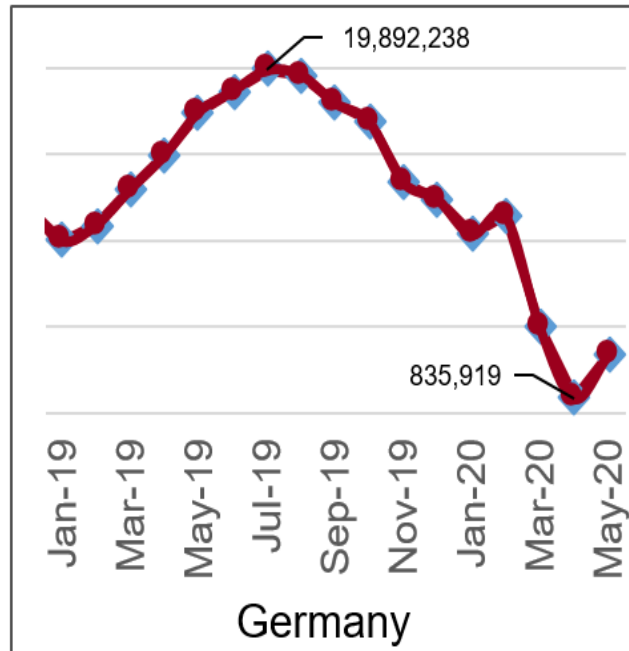
On behalf of:



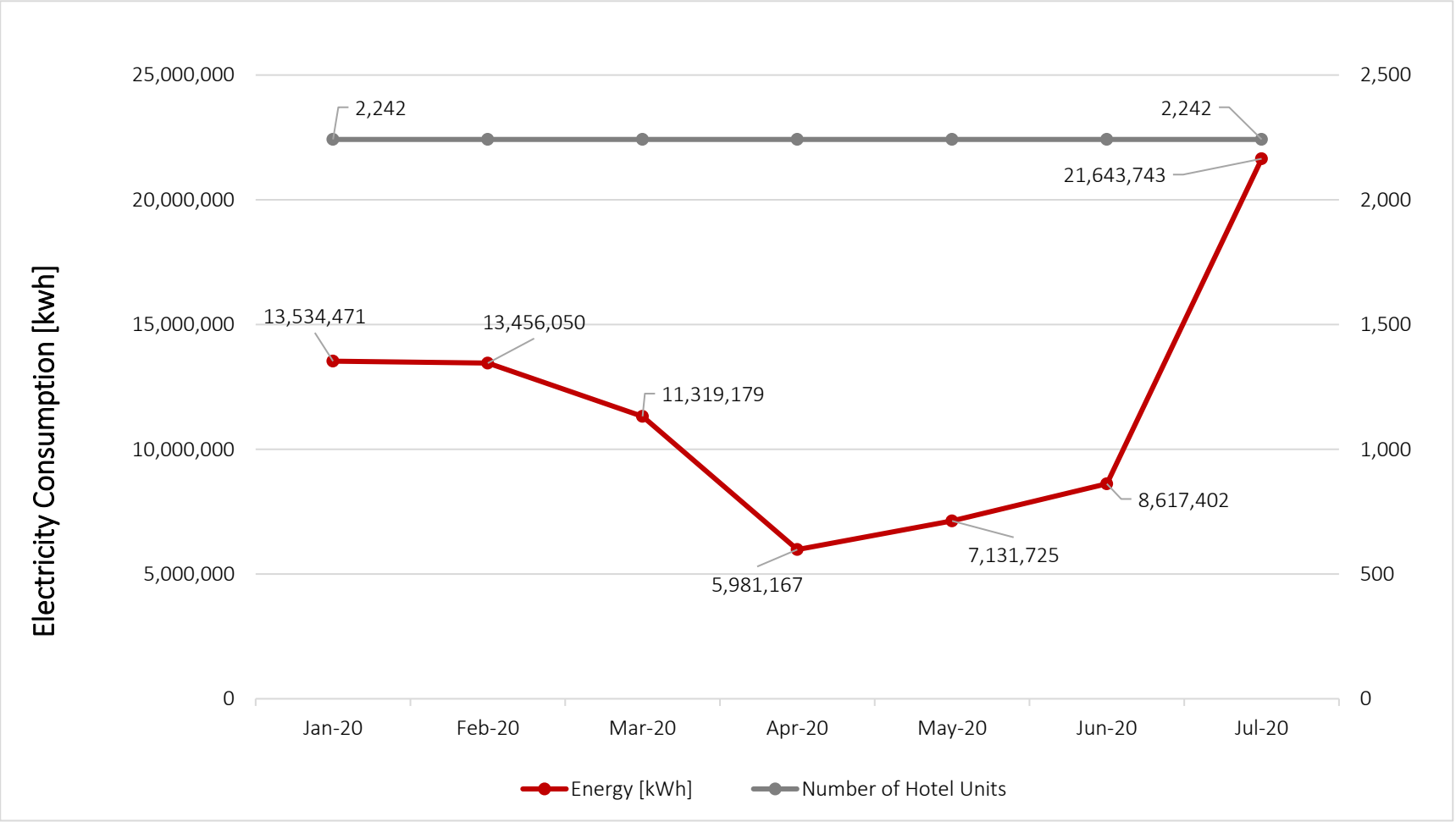
of the Federal Republic of Germany

Major findings of COVID-19 and Green opportunities Report

- Arrivals at tourist accommodation establishments – monthly data for Germany, Greece, and Cyprus (Source of data: Eurostat 2020b)

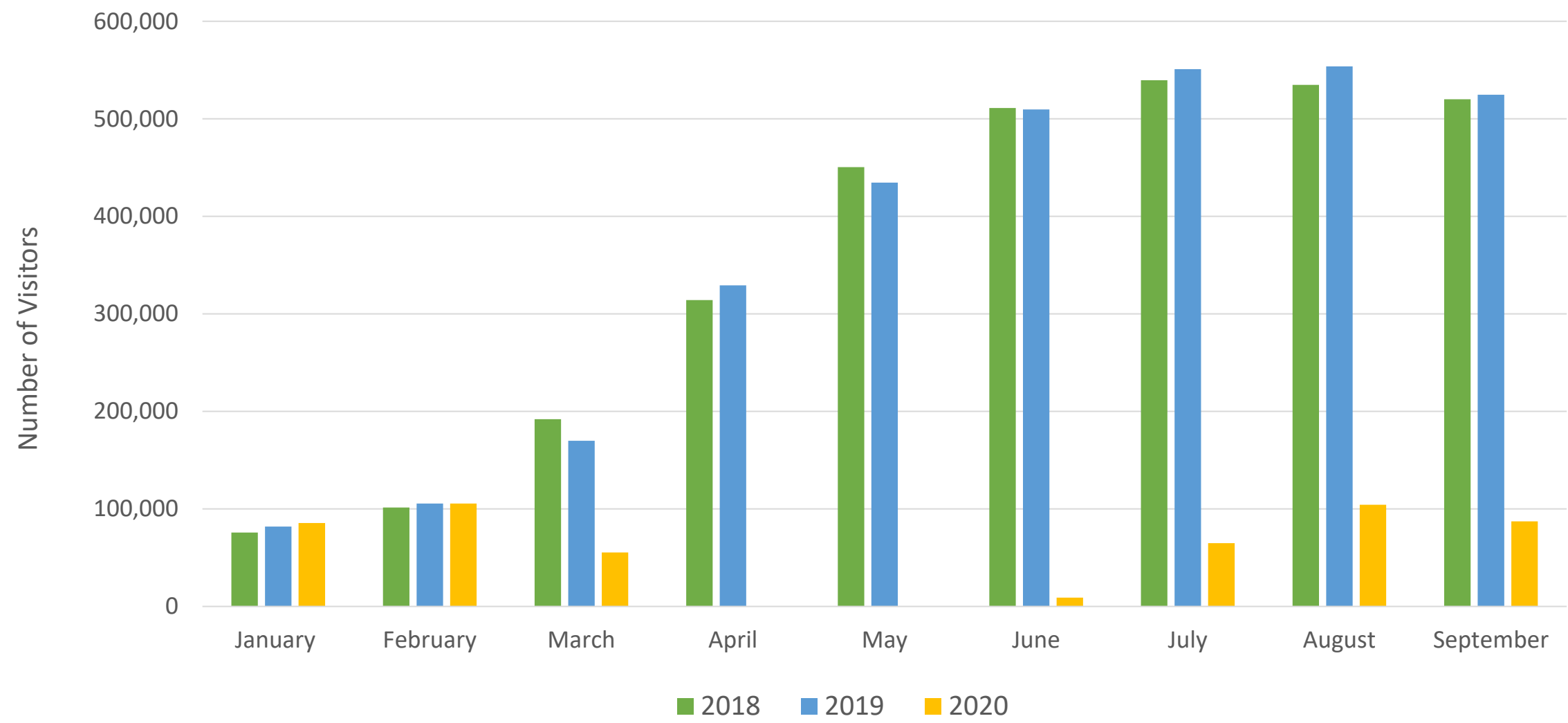


Major findings of COVID-19 and Green opportunities Report



Electricity Consumption in the hotel industry 2020 provided by the Cyprus Distribution System Operator (DSO, August 2020)

Tourists arrivals in Cyprus



Source: Statistical Service of the Republic of Cyprus

Tourists arrivals in Cyprus (2019-2020)

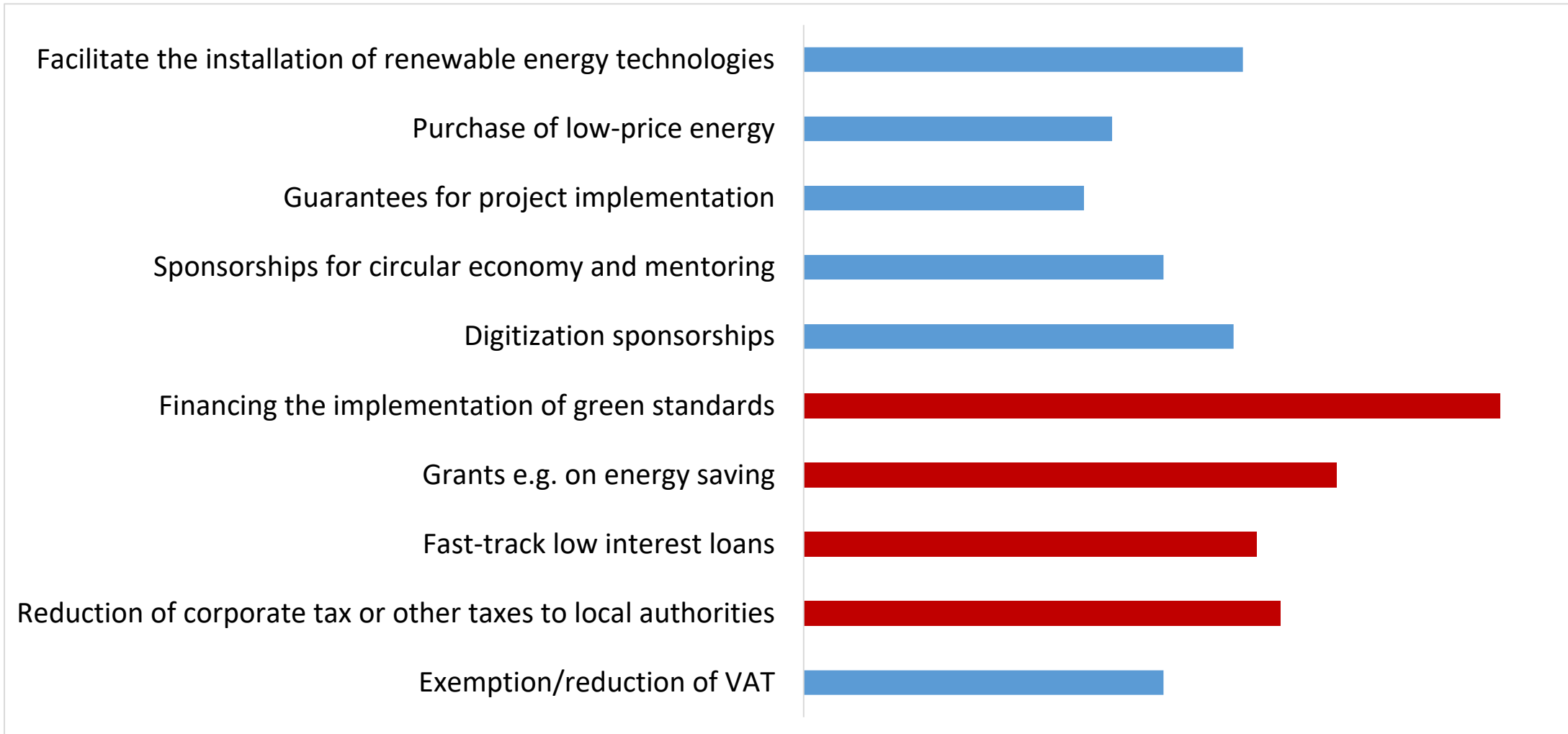
	January	February	March	April	May	June	July	August	September
2019	81.970	105.571	169.934	329.308	434.578	509.662	550.971	553.845	524.707
2020	85.622	105.592	55.342	0*	0*	9.119	64.914	104.261	87.334

Change **+4,5%** **0%** **-67,4%** **-100%** **-100%** **-98,2%** **-88,2%** **-81,2%** **-83,4%**

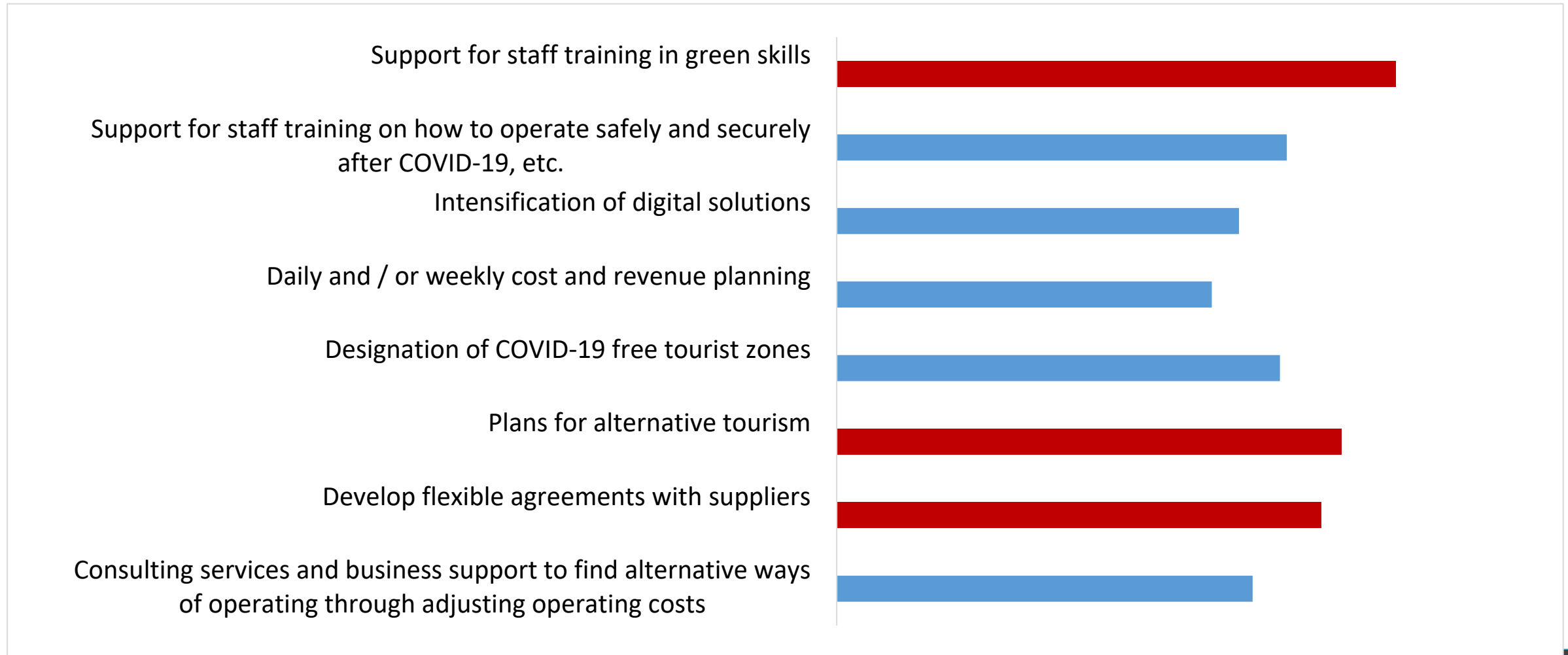
**In April and May 2020 there were no arrivals of tourists in Cyprus due to the travel restrictions imposed.*



Additional financial support instruments to support the hotel industry in implementing GHG reduction measures (OEB, 2020)



Additional non-financial support instruments to support the hotel industry in implementing GHG reduction measures (OEB, 2020)



II. Capacity Building – Study Visits

3 study visits, 5 executives of hotel units from each partner country, in hotel units – good practices in Cyprus, Greece and Germany.

- September/October 2020 – **Cyprus**
- January 2021 - **Greece**
- June/ July 2021 - **Germany**

1 workshop - training and capacity building (hotels) – 20 participants

1 networking event (hotels, financial institutions) – 25 participants

Development of **training materials**



On behalf of:

II. Capacity Building – Selected Study Visits Cyprus



II. Capacity Building Development of training material

- Project partners have developed training material that will be used for the workshops
- 20 Participants from Greece and 20 from Cyprus will participate for free in the capacity building workshops
- The workshops are targeted to chief engineers, engineers or other hotel staff that want to improve knowledge on “green hotels”
- Areas covered are:
 - Carbon footprint
 - Energy efficiency
 - Renewable energy
 - Waste management
 - Good practices regarding communication and other activities
- Training material is available online:
 - <https://www.oeb.org.cy/drasis/hotels4climate/ekpaideytiko-yliko/>



Cyprus workshop is planned for 25 November 2020



INSETE



Εξειδικευμένο Εκπαιδευτικό Εργαστήριο Ανάπτυξης δεξιοτήτων
σε θέματα εξοικονόμησης ενέργειας και περιβαλλοντικής διαχείρισης στον
ξενοδοχειακό τομέα
25 Νοεμβρίου 2020, **ΟΕΒ, Λευκωσία**
(Διάρκεια: 6 ώρες)

Ώρα	Θέμα	Εισηγητής/τρια
8:30-9:00	Καλωσόρισμα/Καφέ	
09:00-9:30	Εισαγωγή στο φαινόμενο του θερμοκηπίου, ευρωπαϊκοί και εθνικοί στόχοι για το κλίμα και την ενέργεια	Μάριος Παπαγεωργίου, ΟΕΒ
09:30-10:00	Ψυκτικές συσκευές και φθοριούχα αέρια του θερμοκηπίου	Χρύσω Σωτηρίου Υποψήφια Διδάκτωρ, ΤΕΠΑΚ
10:00-10:30	Εξοικονόμηση ενέργειας μέσω θερμομονωτικών λύσεων στο κτιριακό κέλυφος	Παναγιώτης Καστανιάς, ΟΕΒ
10:30-11:00	Διάλειμμα	
11:00-11:30	Εξοικονόμηση ενέργειας σε ηλεκτρικά φορτία	Επκ. Καθ. Αλέξης Πολυκάρπου Τμήμα Ηλεκτρολόγων Μηχανικών, Πανεπιστήμιο Φρέντερικ
11:30-12:00	Εξοικονόμηση ενέργειας στο φωτισμό	
12:00-13:00	Εξοικονόμηση ενέργειας στα συστήματα θέρμανσης / Κλιματισμού / Αερισμού	Φλουράς Ξεφί Μηχανολόγος Μηχανικός ΕΜΠ
13:00-14:30	Γεύμα	
14:30-15:00	Χρήση τεχνολογιών ανανεώσιμων πηγών ενέργειας σε κτίρια	Δρ. Δημοκράτης Γρηγοριάδης, Τμήμα Μηχανικών Μηχανολογίας και Κατασκευαστικής, Πανεπιστήμιο Κύπρου
15:00-15:30	Ορθολογική διαχείριση αποβλήτων ξενοδοχειακών μονάδων	Ανθή Χαραλάμπους, ΟΕΒ
15:30-16:00	Συστήματα περιβαλλοντικής διαχείρισης, Εκστρατείες ευαισθητοποίησης και επικοινωνιακή στρατηγική για περιβαλλοντικές δράσεις ξενοδοχείων	Ανθή Χαραλάμπους, ΟΕΒ

Δηλώσεις συμμετοχής στον σύνδεσμο: <https://forms.gle/SaH9eHvieSaLSK7h8>, μέχρι τις 20 Νοεμβρίου 2020.



INSETE



Η Ομοσπονδία Εργοδοτών & Βιομηχάνων (ΟΕΒ)

Σας προσκαλεί στο
Εξειδικευμένο Εκπαιδευτικό Εργαστήριο
Ανάπτυξης δεξιοτήτων
(6 ωρών) σε θέματα Εξοικονόμησης Ενέργειας
και
Περιβαλλοντικής Διαχείρισης στον
ξενοδοχειακό τομέα

Δηλώσεις Συμμετοχής μέχρι τις 10 Νοεμβρίου 2020

<https://forms.gle/R7Uf9MQNdJ5zLjj3A>

Περιορισμένος αριθμός θέσεων

Supported by:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



European
Climate Initiative
EUKI

On behalf of:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



European
Climate Initiative
EUKI

III. Development of online information hub with tools and information exchange database

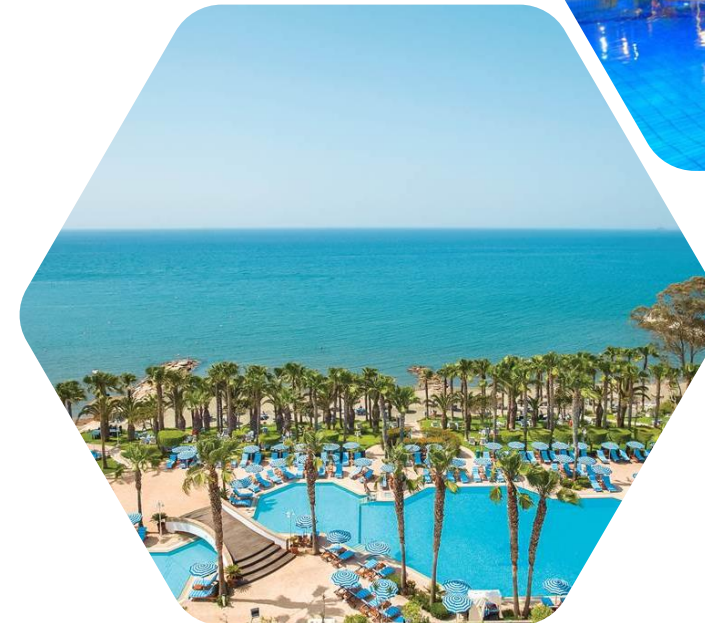
Development of **website** and **database** to include **best practices**, **business models**, **case studies** and **information**, which will be developed from WP1 & WP2 activities. The platform will be utilized for **networking**, **information exchange** και **marketplace** for extending the life cycle of hotel equipment.



Development of the **online tool 'Virtual Hotel'** to enable the assessment and evaluation of opportunities of reducing greenhouse gas emissions.

Successful examples:

- <http://www.oeb.org.cy/drasis/business4climate-plus/ergaleiothiki/>
- <http://cypruscircular.oeb.org.cy/>



IV. Promotion of Circular Economy in Hotels in Greece & Cyprus



1. Preliminary assessment of circular economy in the hotel industry for Cyprus and Greece

- Design of questionnaire
- Data collection via online survey with hotels to assess the current status of the hotel industry, including the priority sectors and high impact areas (accommodation, food, and hospitality activities), and current good practices
- *Report on the Preliminary assessment of circular economy in the hotel industry*

2. Development of circular economy training material

- *Training material on circular economy in the hotel industry to be used for capacity building*

3. Workshops on circular economy for climate neutrality

- *1 workshop to 20* participants

4. Deliver hotel business coaching on circular economy

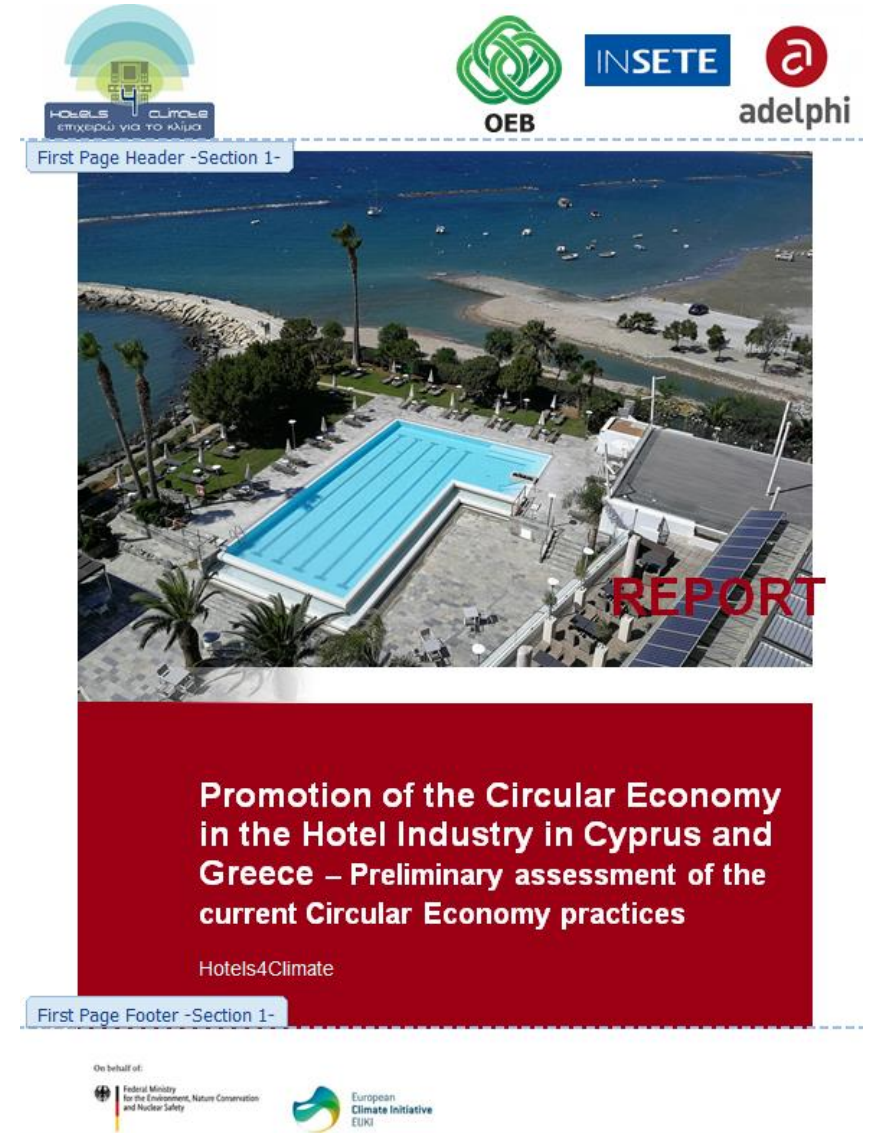
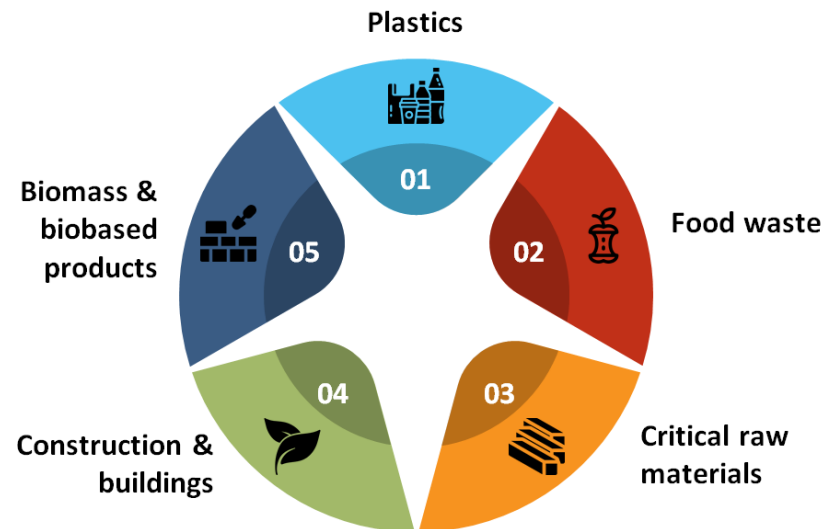
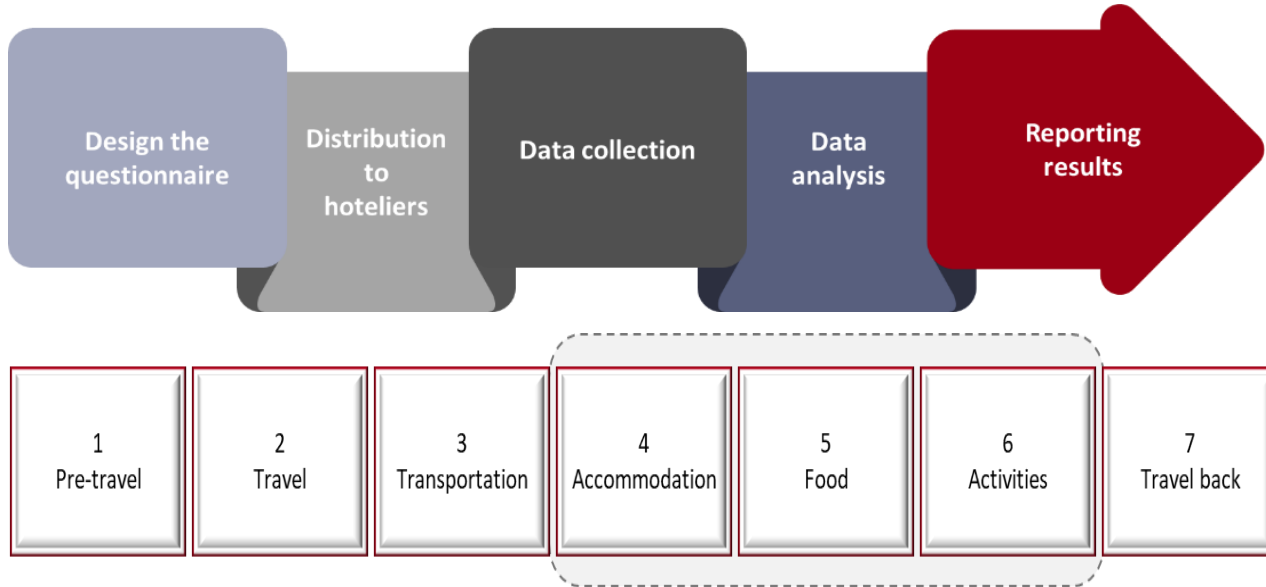
- *Eligibility criteria* for screening participants to identify hoteliers to receive tailored business coaching
- Business coaching to 2 hotels

On behalf of:



of the Federal Republic of Germany

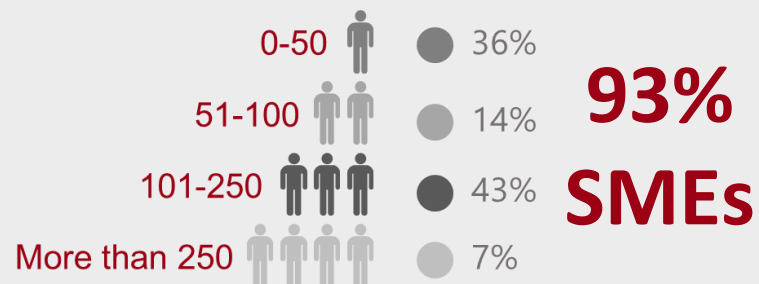
Preliminary assessment of circular economy in the hotel industry for Cyprus and Greece



Businesses Profile

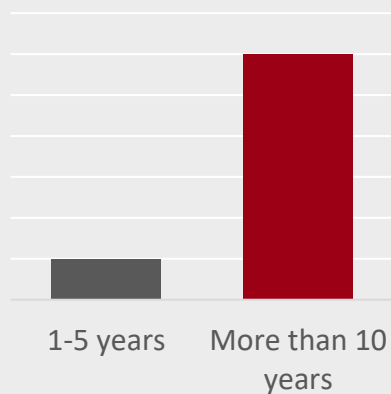
13 
Hotels

1 
Tour Operators



Respondents Profile

Years of experience in hotel industry

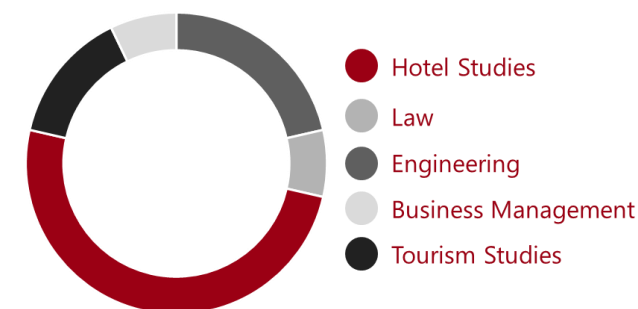


86%
of the Cyprus
respondents have
more than **10 years**
of experience in the
hotel industry

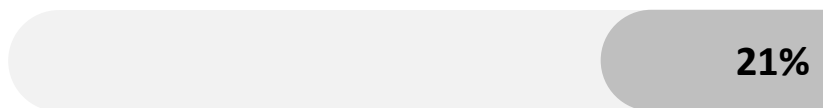
Business Position



Academic background



Cyprus



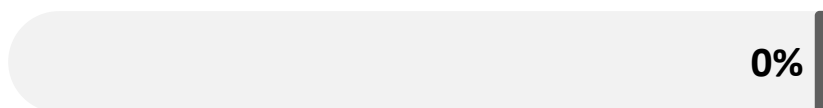
21%

Yes, my knowledge and/ or
understanding is good



79%

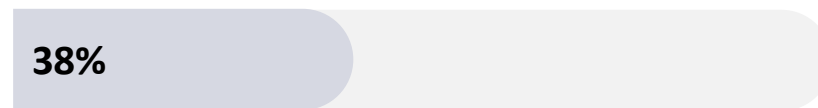
Yes, but my knowledge and/ or
understanding is not sufficient



0%

No

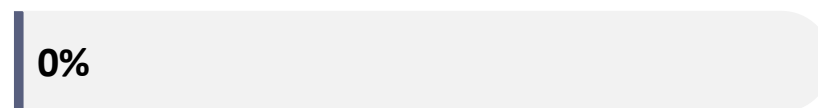
Greece



38%



62%



0%

Are you aware of the term Circular Economy?

Capacity Building for Circular Economy in Hotels in Cyprus and Greece

1. Development of circular economy training material

Training material on circular economy in the hotel industry to be used for capacity building

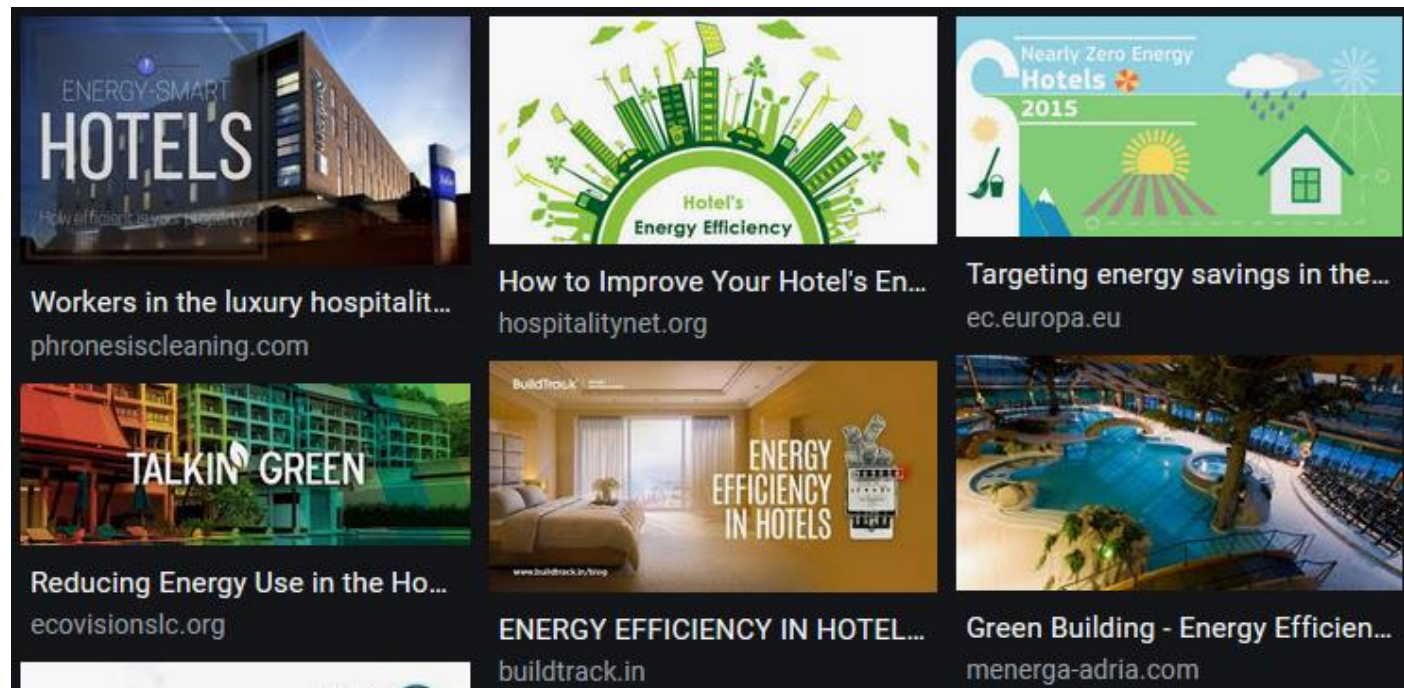
2. Workshops on circular economy for climate neutrality

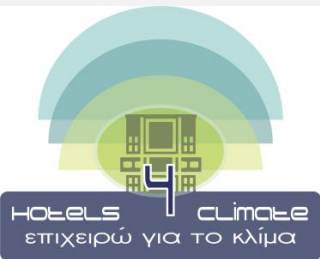
1 workshop to 20 participants (Greece & Cyprus)

3. Deliver hotel business coaching on circular economy

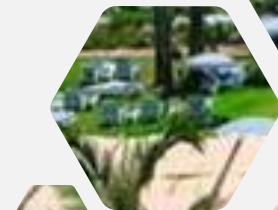
Eligibility criteria for screening participants to identify hoteliers to receive tailored business coaching Business coaching to 2 hotels

Workshop on Circular Economy in Cyprus will be delivered 1st December 2020





Ευχαριστώ
Thank you
Dankeschön



On behalf of:



of the Federal Republic of Germany