# Arguments for the Thai Government to get involved in EcoFoam Solutions

## Introduction

Following the Paris Agreement (….) the government of Thailand has committed to reduce the greenhouse gas emissions (CO2). The majority of these emissions are caused by the

## Targets for reducing greenhouse gas emissions

## Impact of EcoFoam Solutions

## Request to push mandatory EPR for bedding and furniture industry

## Request to support funding initiatives

## Logic of number of mattresses discarded in Thailand

To validate the estimated number of mattresses discarded in Thailand some other points of view have been taken into account, such as the hospitality and institutional organizations (hospital, clinics, etc). In addition a comparison with the amount of mattresses sold to balance the forecast has been done.

### Hospitality Sector (Hotels, Resorts, Guesthouses)

#### Number of Accommodation Establishments:

According to the Tourism Authority of Thailand, there are approximately 32,000 registered accommodation establishments in the country, ranging from hotels and resorts to guesthouses and hostels.

#### Average Number of Rooms per Establishment:

Assuming an average of 30 rooms per establishment and one mattress per room (some have more, others less), we get: 32,000 times 30 = 960,000 rooms/mattresses.

#### Mattress Replacement Cycle:

Hotels typically replace mattresses every 5–7 years due to wear and guest expectations.

Assuming a 6 year replacement cycle, the annual mattress replacement would be:

960,000 rooms / 6 = **160,000 mattresses per year.**

### 2. Institutional Sector (Hospitals, Clinics, Other Facilities)

#### Number of Hospitals and Clinics:

Thailand has approximately 1,400 hospitals (both public and private) and numerous clinics.

#### Average Number of Beds per Hospital:

Assuming an average of 150 beds per hospital: 1,400 hospitals times 150 beds = 210,000 beds.

#### Mattress Replacement Cycle:

Hospitals often replace mattresses every 3–5 years due to hygiene standards.

Assuming a 4 year replacement cycle, the annual mattress replacement would be:

210,000 beds /4 years = **52,500 mattresses per year**.

### 3. Household Mattresses:

Estimated at 2.3 to 2.8 million mattresses sold annually.

**Total Mattresses Sold Annually: Low estimate 2,526,800, High estimate 3,026,800**