

# Why we are doing this

## COST ANALYSIS AND FEASIBILITY

### Cost Of Not Cleaning Beach

#### Health risk to human:

causing illness, such as upset stomach, respiratory ailments, pinkeye and earaches

#### Economic impacts:

Americans spend around \$44 billion on trips in coastal areas every year. Beach would be closed if the condition failed the requirements.

#### Impact on animal:

Beach is connected to the ocean. More than 800 species of wildlife are affected by pollution.

### Cost Of Cleaning Beach Via Human Labor

#### High cost:

Some teams spend 20,000 € per month to clean beach.

#### Limitation for human:

Humans normally clean during the day.

### Trash Type And Feasibility

One of the dominated trash types collected in specific areas is 1cm -50cm plastic

## References

1. Hu, S. (2020, May 28). Beach pollution 101. NRDC. Retrieved November 22, 2022, from <https://www.nrdc.org/stories/beach-pollution-101>

2. Watts, A. J., Porter, A., Hembrow, N., Sharpe, J., Galloway, T. S., & Lewis, C. (2017). Through the sands of time: beach litter trends from nine cleaned North Cornish beaches. *Environmental Pollution*, 228, 416-424

3. Cruz, C. J., Muñoz-Perez, J. J., Carrasco-Braganza, M. I., Pouillet, P., Lopez-Garcia, P., Contreras, A., & Silva, R. (2020). Beach cleaning costs. *Ocean & Coastal Management*, 188, 105118.