

対象国環境・観光分野における開発ニーズ(課題)

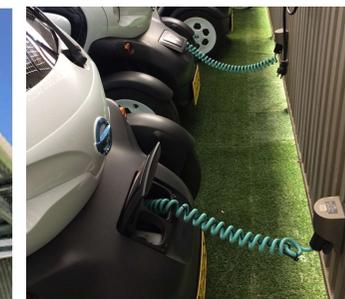
- ・CO2排出(化石燃料発電とガソリン車)による地球温暖化
- ・自然災害(台風等)の増加や海面上昇
- ・ガソリンの輸入依存、及び再生可能エネルギーの普及
- ・持続可能な観光開発(観光資源の多様化)と環境保全の両立

案件概要

- ・ 契約期間(予定): 2022年10月～2023年7月
- ・ 対象国・地域: パラオ国全土
- ・ 案件概要: パラオの課題である地球温暖化防止及び持続可能な観光開発と環境保全の両立に対し、「姫島モデルの知見」「小型EV利活用ノウハウ」「青空コンセント」による再生可能エネルギーへの転換、グリーンスローモビリティ、質の高い観光促進等の達成を目指す。



小型EV(一例)



青空コンセント

開発ニーズ(課題)へのアプローチ方法(ビジネスモデル)

- ・観光業界や政府機関等に小型EVと青空コンセントを販売
- ・観光業界や政府機関等にエンジニアリングサービスやメンテナンスサービス等を提供
- ・「パラオエコツーリズム推進協議会」を設立し、姫島モデルの知見、小型EV利活用ノウハウを普及

対象国に対し見込まれる成果(開発効果)

- ・地球温暖化防止(CO2排出削減)
- ・エコツーリズムの推進(環境に負荷をかけない交通手段、質の高い観光促進)
- ・技術教示による、太陽光発電やメンテナンス技術の普及
- ・エコツーリズム事業を通して観光客が環境・文化への理解を深めることによる自然環境の保全

Development needs (issues) in the target countries' environment and tourism sectors

- Global warming due to CO2 emissions (fossil fuel power generation and vehicles)
- Natural disasters (ex, typhoons) and rising sea levels
- Dependence on imports of petrol and shift to renewable energy.
- Sustainable tourism development (diversification of tourism resources) and environmental protection

Proposed product/technology

1. **"Himeshima Model"**: A zero CO2 emission eco-tourism model with a combination of mini solar power charging stations and small EVs)
2. **"Effective usage of small EVs"**: (Knowledge on selecting suitable small EVs and proposing effective/innovative usage for different purposes and environments) and **"AOZORA Electrical Outlet"**. (also can be used as emergency power sources)

Project outline

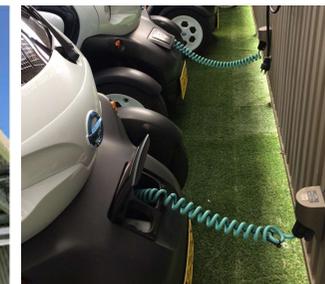
- Survey period: October 2022 - July 2023
- Countries/regions covered: all of Palau
- Outline/objectives : Materialization of the shift to renewable energy, green slow mobility and sustainable tourism by introducing **"Eco-tourism model of Himeshima island"**, **"Effective usage of small EVs"** and **"AOZORA Electrical Outlet (solar power storage and charging station)"**, in order to tackle Palau's challenges.



Small EV (example)



AOZORA Electrical Outlet (mini-solar power storage and charging station)



How to approach development needs (issues) (expected business model)

- Sales of small EVs and AOZORA Electrical Outlet to the tourism industry and Government agencies
- Engineering and maintenance services and other necessary services to the tourism industry and Government agencies
- Establishment of Palau Ecotourism Promotion Council to disseminate knowledge of the Himeshima model and know-how on the use of small EVs.

Expected results for target countries (development impact)

- Mitigation of Global warming (reduction of CO2 emissions)
- Promotion of ecotourism (environmentally friendly means of transport, promotion of quality tourism)
- Improvement of technical/maintenance skills of engineers through dissemination of mini-solar power technologies.
- Conservation of the natural environment of Palau by raising tourists' awareness of the environment and the culture through eco-tourism.