

Ocean Challenge 2020, Sponsored by AIT/K and OAC

Participants: Students from all national high schools, and international schools. Teams must be composed of 2 to 8 students, ages 15-18 years old who can communicate (both written and oral) and think critically in English.

Application: Be submitted digitally by email to lli8689@oac.gov.tw or YouthOcean@ait.org.tw or chang-chienscl@state.gov or mailed in hard copy to the Ocean Affairs Council at 806, #25, Chenggong 2nd Road, Qianzhen District, Kaohsiung City, or the American Institute in Taiwan Kaohsiung Branch Office at 806, #88, Chenggong 2nd Road, Qianzhen District, Kaohsiung City, postmarked by October 15, 2019 at 5:00 PM.

Proposal Details:

1. The written proposal must highlight a challenge facing the ocean and propose a solution, integrating innovative thinking, field research, ecological conservation, product design, creative marketing, cultural preservation and maintenance, by using AI, Big Data, APP, underwater unmanned vehicles (UUV), etc.
2. The proposal, in either English or Chinese, must include a description of the current situation, analysis of the problem, the solution, the planned execution, role of each team member, the proposed timeline, funding, and expected results.
3. The final team members will be invited to present its proposal at a conference to be held in February 2020 and will need to answer questions in English by a panel of judges. The project may be presented as a slideshow presentation, TedTalk or a film.

Awards: Six teams will be selected for the final round. The awards are as follows:

First place: NT\$30,000 equivalent award and a certificate

Second place: NT\$20,000 equivalent award and a certificate

Third place: NT \$10,000 equivalent award and a certificate

Fourth, Fifth and Sixth place finalists will all receive a certificate

All six finalist teams will be invited to experience Brogent Technologies's i-Ride simulation.

Selection Criteria:

- (1) The Ocean Affairs Council (OAC) and the American Institute in Taiwan's Kaohsiung Branch Office (AIT/K) will review the teams' written proposals and select 6 teams to participate in the final competition.
- (2) Criteria for the primary selection of the written proposal include:
 - a. Clarity/Precision to Topic/Effectiveness (30%)
 - b. Creativity/Innovation (35%)
 - c. Feasibility (35%)
 - i. Project implementation steps and methods
 - ii. Planning of Human Resources and Timeframe
 - iii. Integration of resources between government departments and non-governmental organizations
 - iv. Rationale of Budget

(3) Criteria for final round selection include:

- a. Clarity/Precision to Topic/Effectiveness (20%)
- b. Creativity/Innovation (25%)
- c. Feasibility (25%)
- d. Q&A Responses (30%)
 - i. Team discussion and cooperative interaction
 - ii. Fielding questions from the judges and on-site participants and providing thoughtful and honest responses.

Mentoring: Will be held on Monday December 16, 2019, to include a visit to OAC and counseling with experts in the field to help students as they prepare for the final competition. The group will then visit AIT Kaohsiung for a screening of the documentary “A Plastic Ocean” followed by a discussion.

The Final Event: Will be held on Wednesday February 26, 2020, at Brogent Technologies Co., Ltd. (No. 9 Fuxing 4th Road, Qianzhen District, Kaohsiung City. The six finalist teams will present prototypes/presentations of their proposal in English.

Timeline:

Date	Agenda
Monday, September 9, 2019	Competition Brochures Released to Schools
September 9-September 20, 2019	Island-Wide Promotions of the Competition
Tuesday, October 15, 2019	Deadline to Submit Written Proposal
Friday, November 15, 2019	Finalists Announced
Monday, December 16, 2019	Mentoring Activities
Wednesday, February 26, 2020	Final Competition

Point of Contact:

OAC: Laura Lin; Telephone: 07-3381810 ext. 261303
AIT/K: Sheree Chang-Chien Tel: 07-3355006 ext. 6007