

# UNITAR Future Global Youth Leaders Programme

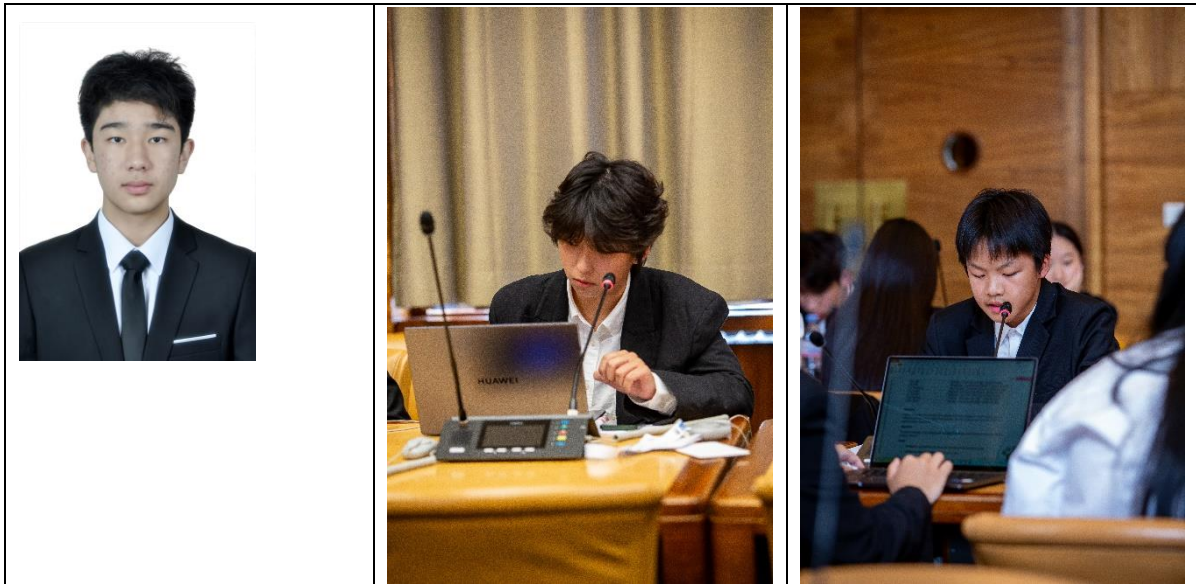
## Group Presentation 6

- **Group Title:**

Adjustable Electric Hot Plate

- **Group Members**

1. Leader:  
John Chenhao An
2. Members:  
Lebby Xinle Zhou  
Aaron Wei Ge



- **Project Background:**

Project is based in Qinghai, China, a region in the Great Northwest where temperatures can drop below freezing and cold weather can last 7-8 months each year. Globally, extreme cold weather contributes to approximately 5 million deaths annually. In such harsh conditions, people in Qinghai rely heavily on stoves, burning tons of coal and animal dung to stay warm throughout the winter. This method is both inefficient and costly, and coal combustion releases harmful carbon monoxide and carbon dioxide. In Qinghai alone, 2 million people struggle to adapt to these cold climates, facing severe risks to their health and well-being.

- **Solution:**

We are introducing a green, energy-efficient, and cost-effective heating solution: an

adjustable electric plate designed for harsh weather conditions. The plate uses minimal electricity and can be placed on a bed or mounted on walls. It provides a comfortable and affordable heating option for low-income families. With low energy consumption and no harmful emissions, this plate offers a safe and eco-friendly alternative to traditional heating methods, helping to reduce the impact on global warming while ensuring warmth and comfort.

- **Project Impact:**

Our project is currently serving over 50 families in a village in Qinghai, with very positive feedback. This initiative supports SDG-1 (No Poverty) and SDG-13 (Climate Action). Our aim is to reduce villagers' monthly expenses, thereby increasing their available family income, while also lowering carbon emissions. Over the next three years, we plan to extend our support to more than 500 families. Our ultimate goal is to completely eliminate carbon emissions in these villages.