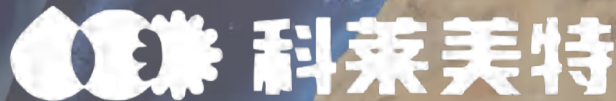


# Youth-Driven Innovation: Tackling Climate Challenges Head-On



绿色浙江  
Green Zhejiang



Sudanese Environment conservation Society

Commitment for future generation



**Actions and  
innovations  
speak **LOUDER**  
than words.**



co-founder and director of  
plant technology alliance

**Dency Cheng**





pta 植物联盟  
plant technology alliance



讓世界回歸自然 Let's Bring Nature Back To Us 🌱



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plant technology alliance



## Nature Magic Wands

An original audio series of stories designed for children



## Climate Plus

A short video series on the theme of climate change designed for the general public



## Green Spirit Camp

A sustainability growth camp integrating the "heart, mind, and hands."

讓世界回歸自然 Let's Bring Nature Back To Us 



pta 植物联盟  
plant technology alliance



**Atoms Fund**  
An original audio  
series of stories  
designed for children



蓝心永续  
EarthAmore

**EarthAmore**  
Your guide to  
sustainable living



**Twiggy**  
A eco-friendly  
laundry care brand

讓世界回歸自然 Let's Bring Nature Back To Us 

**Executive Secretary-General  
of CYCAN**

**Silu Zhang**



Introduction

# China Youth Climate Action Network







About CYCAN

# The First Climate Youth Non-Profit In China



Founded by a group of climate change and energy transition-caring young Chinese in August 2007, CYCAN(China Youth Climate Action Network) is the very first non-profit organization in China to address youth power in promoting climate change courses. Since its establishment, CYCAN has been committed to promoting youth participation in climate action. CYCAN's work has also adapted over time, based on the external environment and the current state of youth.

# COP Youth Delegation

Starting with COP15 in 2009, CYCAN has organized Chinese youth delegations to participate in every COP conference, amplifying young voices in climate action and witnessing numerous historic milestones along the way—including the announcement of the China-U.S. Youth Joint Statement Addressing Climate Change at COP21.



**Deputy Secretary-General of  
Green Zhejiang**

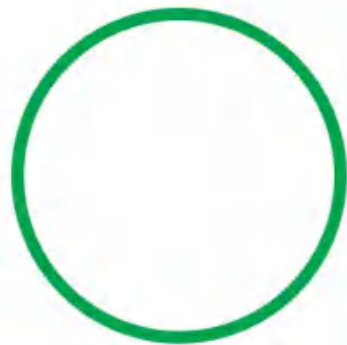
**Qintian Yao**





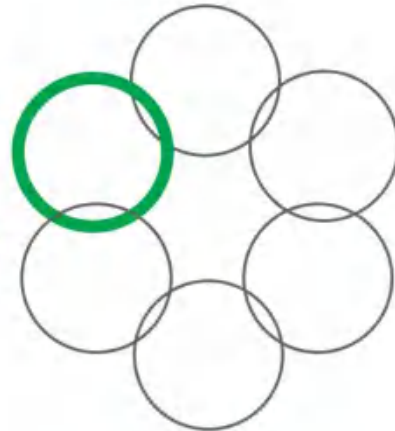
# GREEN ZHEJIANG

24 YEARS OF TAKING ACTION TO PROTECT THE



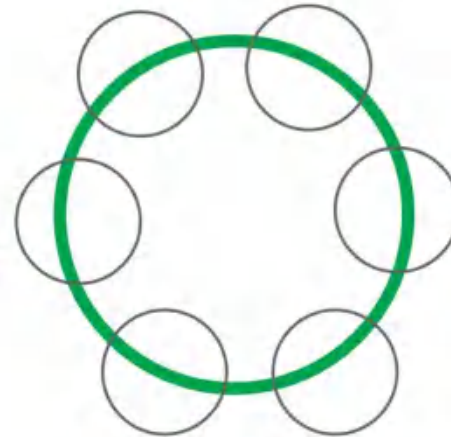
**Group**

2000-2010



**Cross-sector  
Interaction**

2010-2015



**Hub Organization  
Transition**

Since 2015

**Projects Coordinator of SECS**

**Eilaf Bashir**



A PRESENTATION BY SLIDECORE

# Sudanese Environment Conservation Society(ARCH Project)



Sudanese Environment Conservation Society  
Commitment for Future Generation



01

INTRODUCTION



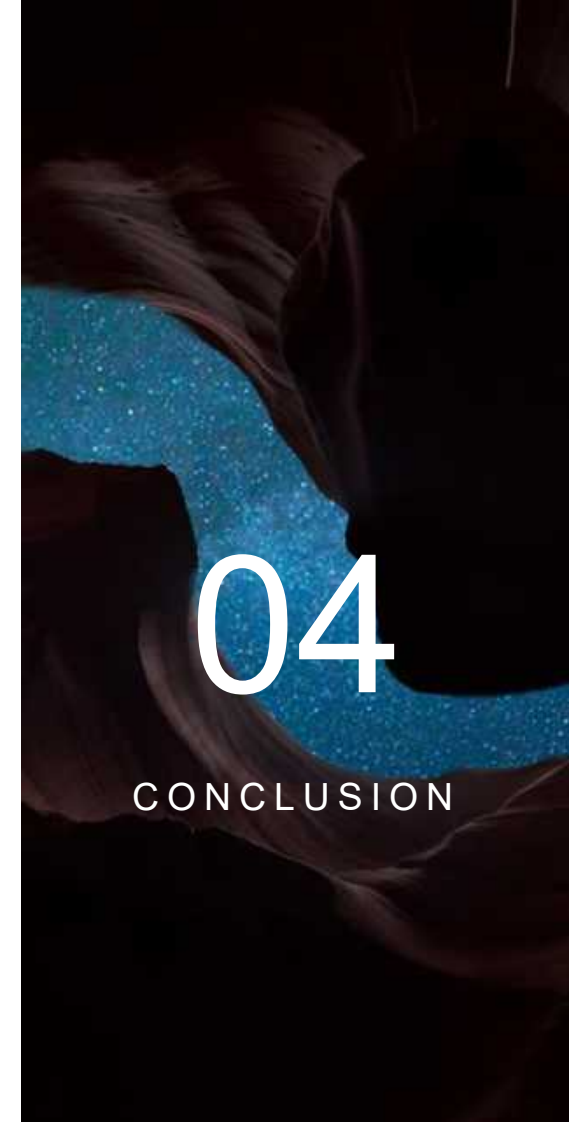
02

FACTS TO KNOW



03

SOLUTIONS



04

CONCLUSION



01

# INTRODUCTION





# Background:

SECS Vision: “We look for Sudan enjoying a safe and healthy environment, achieving sustainable development and a lasting peace.”

SECS Mission: SECS works for environmental rehabilitation, sound management and utilization of natural resources and elimination of harmful environmental violations and malpractices.



Sudanese Environment Conservation Society  
Commitment for Future Generation

# 4

- Environmental Education Program.
- Environmental Rehabilitation Program.
- Institutional Development Program.
- Climate Change Program.

# 113

Branches all over Sudan

# 10,000+

Members





02

FACTS TO KNOW



# Action For Regional Climate Help Project (ARCH)

As part of the climate change program, the society is currently implementing the Action for Regional Climate Help (ARCH) Project, the project is in partnership with Crisis Simulation for Peace Organization and is being implemented simultaneously in Sudan and Egypt.

Supported by:



Federal Ministry  
for Economic Affairs  
and Climate Action

Federal Ministry  
for the Environment, Nature Conservation,  
Nuclear Safety and Consumer Protection



on the basis of a decision  
by the German Bundestag

The project aims to empower Youth-Led Organizations (YLO) in cooperation, local project work, climate policy advocacy and implementation monitoring.

The Envisioned project impact is stronger climate resilience and participative climate governance in Egypt and Sudan.



> CRISP



In spite of the ongoing war in Sudan and the many challenges faced. The ARCH team persisted and kept moving forward with the project.

**Founder of Eminate  
(Virtual Speech)**

**Fahad Haider**



# Empowering Youth for Social Behavior Change: Building a Sustainable Future through Community Leadership

Fahad Haider

Renewable Energy  
Engineer/Global Youth  
Ambassador/Founder, Eminate



# Speaker Background

- Bangladeshi-Australian Background
- Renewable Energy Engineer in Australia + Consultant for Swiss firm
- Founder: Eminate
  - Helped organisations in Bangladesh, Burundi, Myanmar, Nigeria, Uganda, Tanzania, Papua New Guinea, Dominican Republic, etc.
- ~9 years professional experience. Projects for World Bank, UNDP, JICA, KIAT, Australian Federal Agencies, etc.
- UPG Sustainability Leader, Climate Ambassador for World Bank MTE Program/COP28 Ambassador for Australia, Al Sharq Youth Fellow and “Global Talent” for UNLEASH
- Masters in Renewable Energy Engg., University of New South Wales – 2019  
Bachelors in Engineering, Macquarie University (Full Scholarship) – 2013



# Eminate

Emanating developing communities with clean energy

- Strictly not- for-profit
- Renewable Energy Engineering
- Fundraised and installed solar systems in rural/remote off-grid areas
- Capacity Building Sessions
- Assistance with RFAs, Grant Applications, Tenders, etc.
- Advice for startups/pitches
- Global Webinar/In-Person Series with Youth Leaders



We are raising \$5500 to emPower two rural schools in Bangladesh with Solar and Low Energy Computers



**\$5,605 RAISED**

PLEASE SUPPORT THIS CAUSE

SAUD 100

**DONATE**

**Online**

*Watt's Up: A Guide to Electrical and Technical Concepts of Renewable Energy*

**Fahad Haider**  
Renewable Energy Engineer  
Founder of Eminate

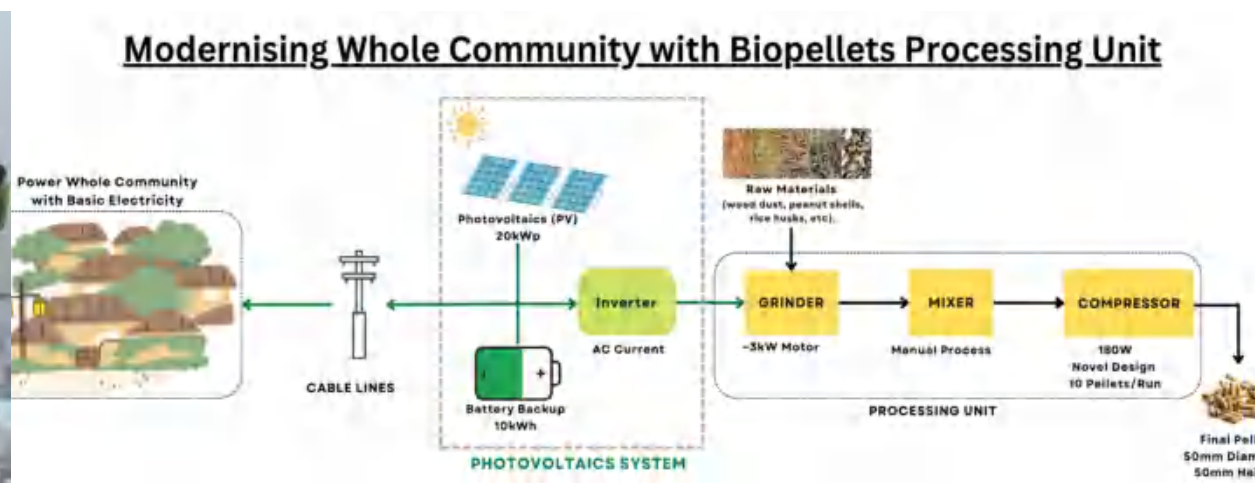
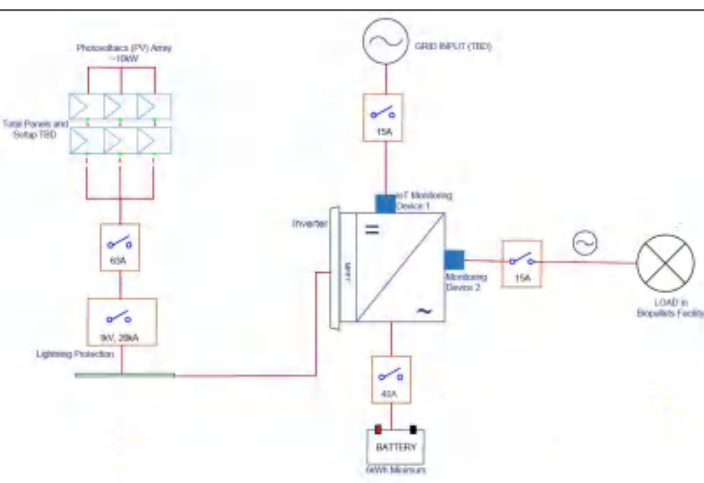
10 PM AEST, GMT-10  
28 July 2024

SDG 7 UTH  
CONSTITUENCY

**What on Earth can we do about Climate Change?!**  
A discussion with Global Youth on Climate and Energy

Online Event on World Environment Day-2023  
3 June, 2023  
6pm AEST  
Zoom

Register to join:  
[bit.ly/world-environment-day-2023](https://bit.ly/world-environment-day-2023)



All Projects Details: [instagram.com/eminate\\_global/](https://www.instagram.com/eminate_global/)

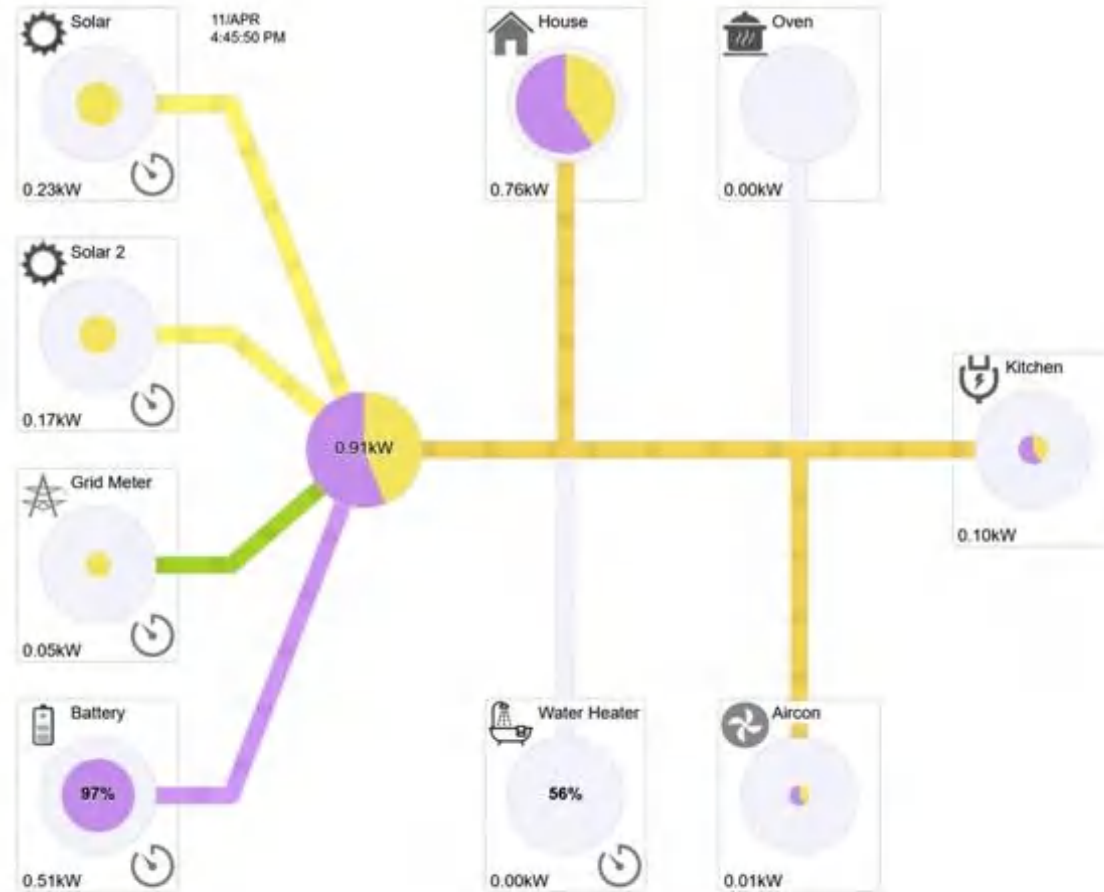
# Combined Energy - Australian startup accelerating the Energy Transition



## How it works



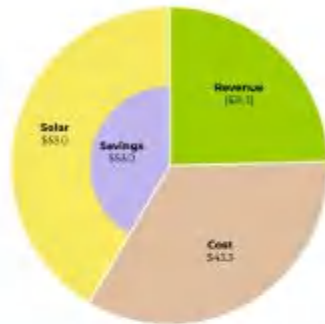
- The brains of the Home Energy Management System (HEMS)
- Connects to customer's Internet router
- Communicates with Power Meters, Connected Appliances (e.g. PowerStore), and Inverters
- Analyses home energy data to detect usage patterns
- Receives weather forecast and energy price information from the cloud
- Coordinates major appliances to make best use of Solar, and to use the cheapest grid energy possible



\$84.3 Total Savings FROM SOLAR

\$53.0 Value of Solar Energy USED BY YOUR HOME APPLIANCES

\$31.3 Revenue from Export FROM SOLAR

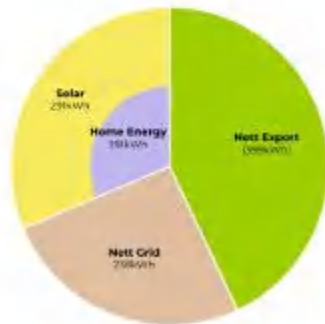


\$43.3 Cost of Grid Energy TO YOUR HOME APPLIANCES

54% Consumed Energy from Solar (WILL COME FROM THE GRID)

92% Hot Water Energy from Solar FROM YOUR SOLA-HOT POWERSTORE TANK

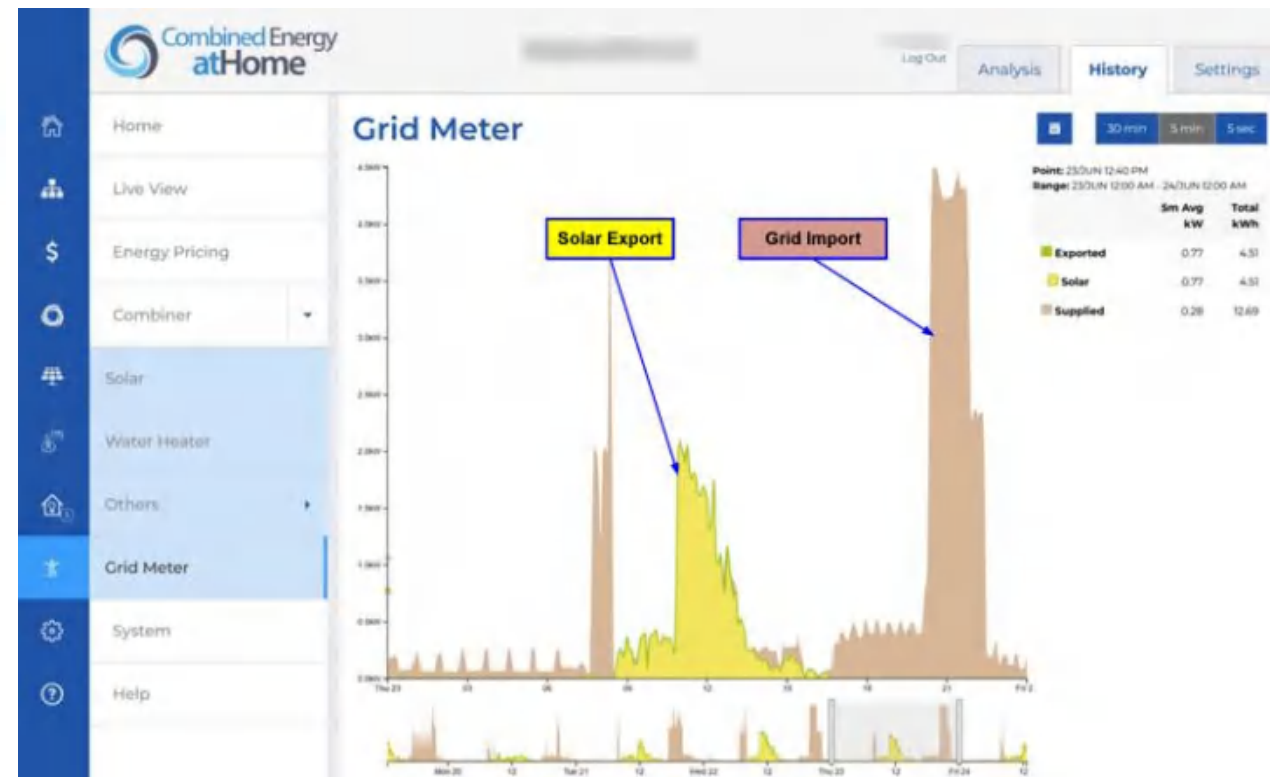
63% Solar Self Consumption 37% EXPORTED TO THE GRID



536 kWh Total energy consumed IN YOUR HOME

291 kWh Supplied by Solar TO YOUR HOME APPLIANCES

245 kWh Supplied by Grid TO YOUR HOME APPLIANCES



# THANK YOU

FOR ATTENDING THE PRESENTATION



[fahad.haider@hotmail.com](mailto:fahad.haider@hotmail.com)

+6143 087 9411



**General Manager of sustainability  
of NaaS Technology**

**Yubo Zhai**



# EV Charging Beyond Urban

Zhai Yubo  
General Manager of Sustainability, NaaS Technology





# ⚡ China's Leading EV Charging Service Company



On June 13, 2022, NaaS (NASDAQ:NAAS) was successfully listed at NASDAQ

**77K**

Number of charging stations covered

**876K**

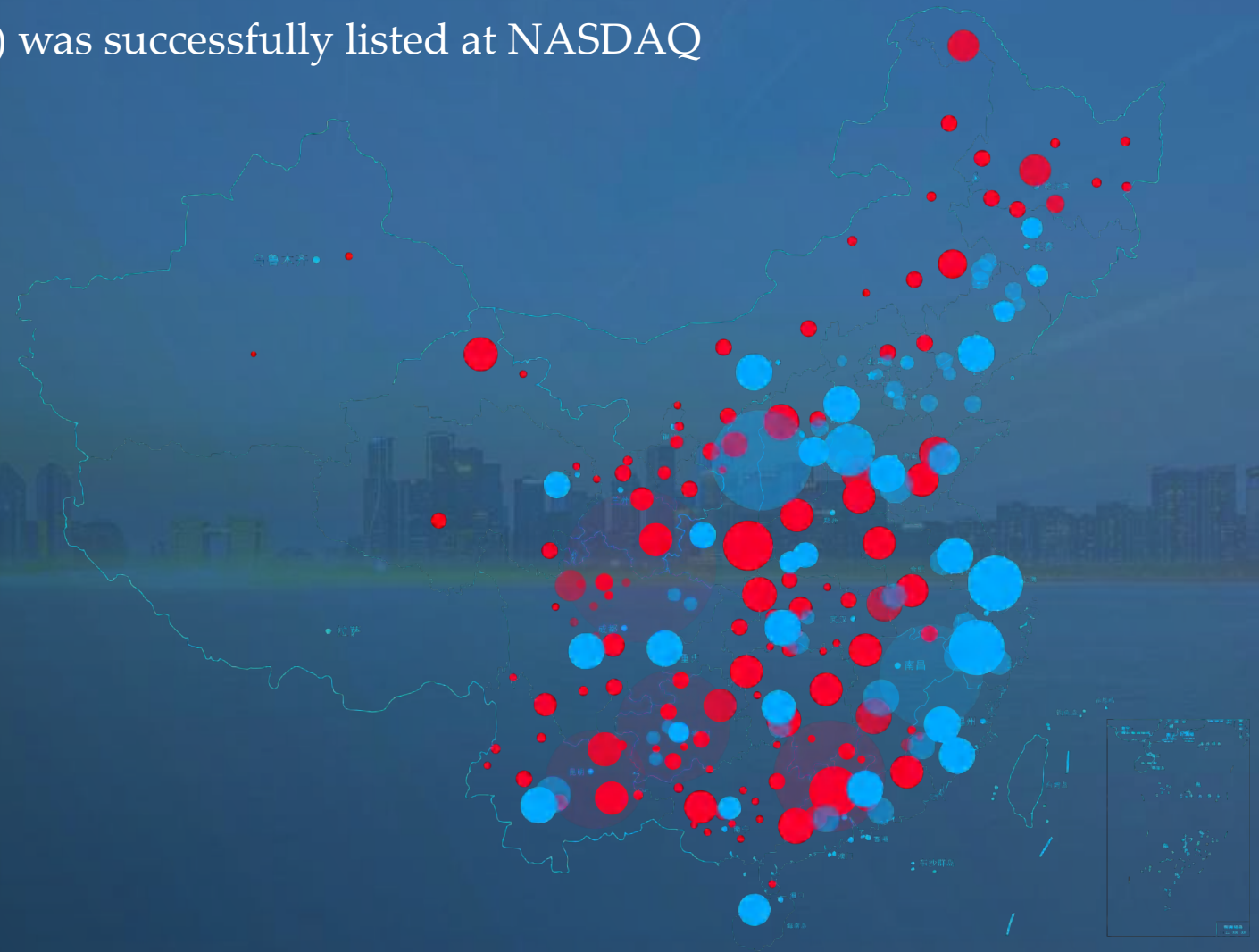
Number of chargers covered

**4958GWh**

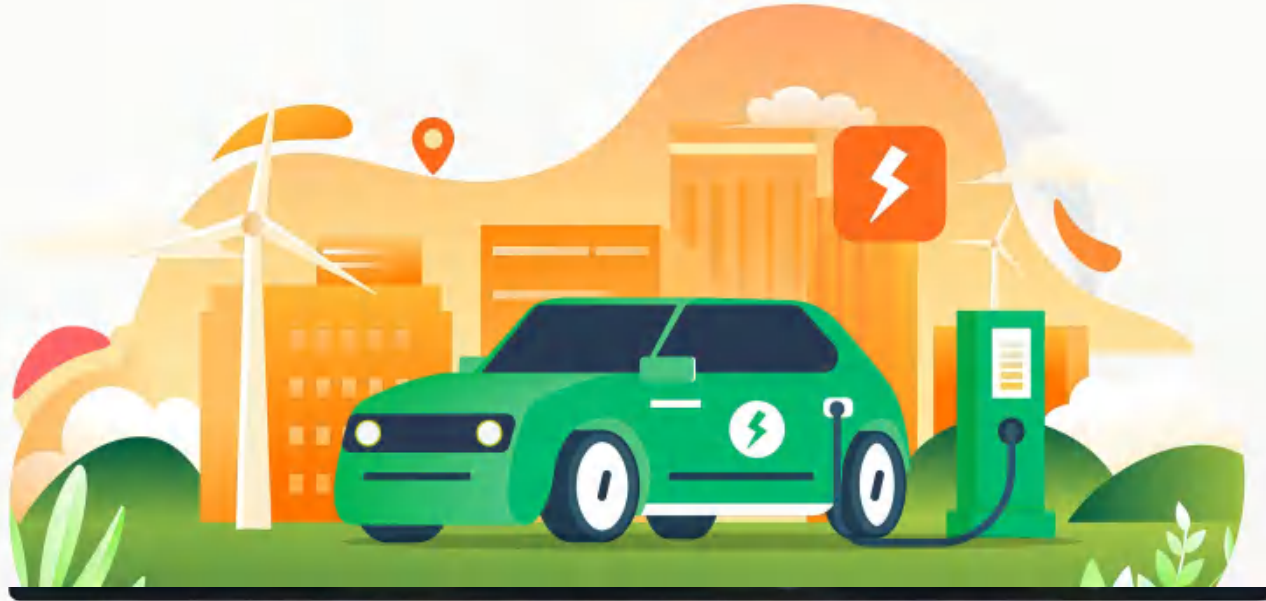
Annual charging capacity

**3,293,100 tons**

Carbon emission reduction



Data as of the end of 2024



**Limited Charging Infrastructure**

**Lack of digital service**

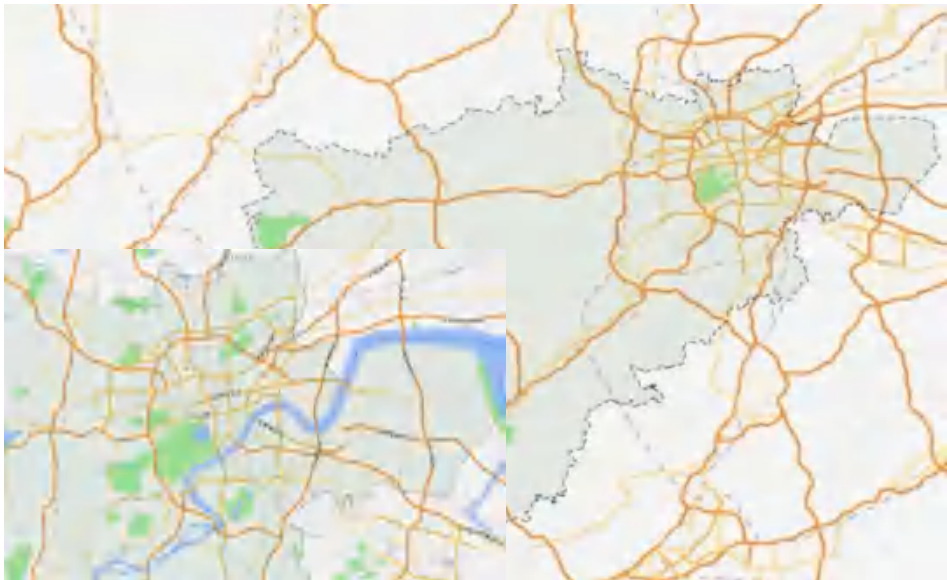
**Limited EV Models & Variety**

**Range Anxiety**

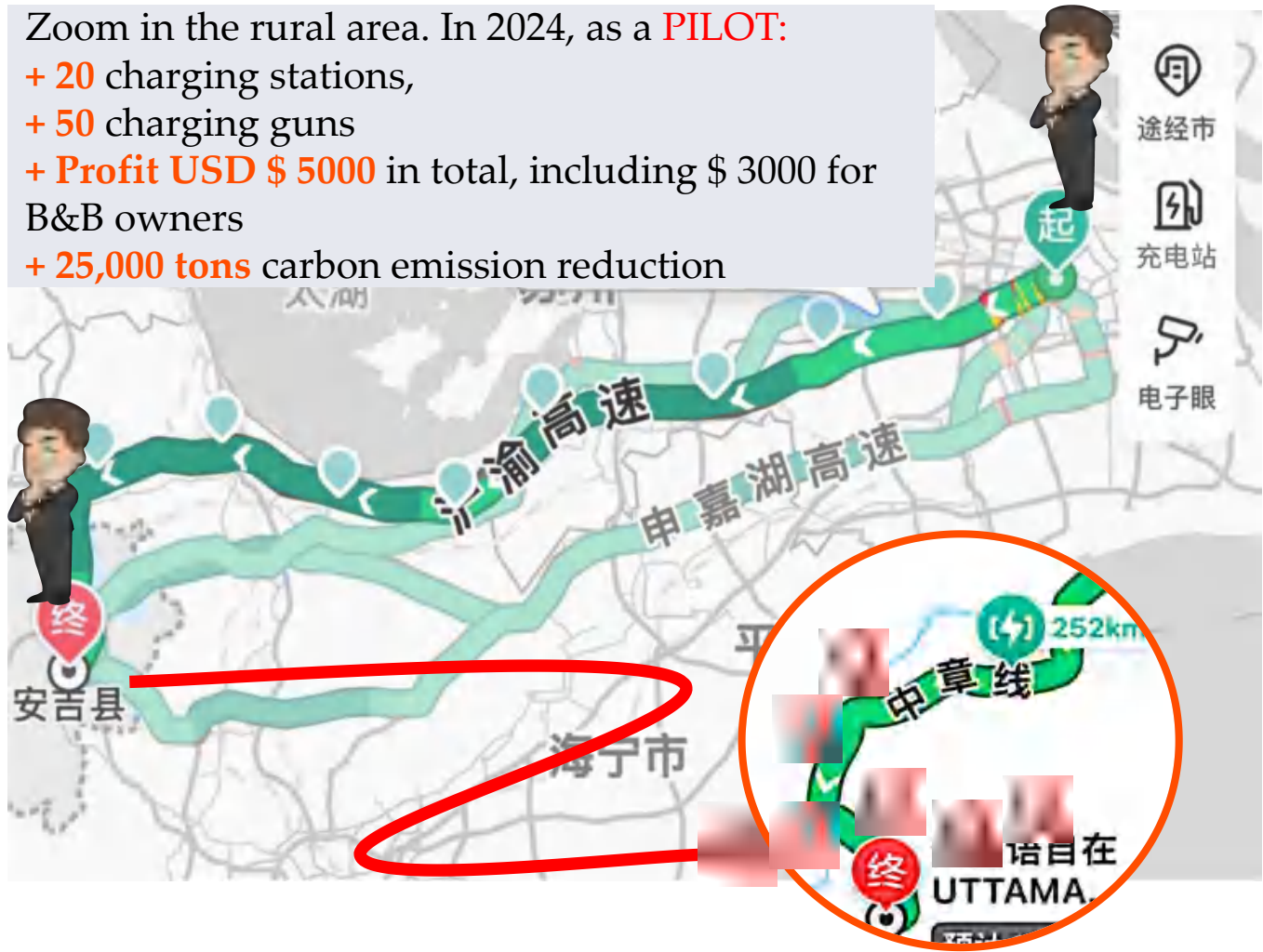
**Single energy supply**

A vertical stack of four thought bubbles. The top bubble shows a charging station icon. The second bubble shows a computer monitor with a bar chart. The third bubble shows a hand holding a smartphone with a red 'X' over it. The bottom bubble shows a car with a battery level indicator and the text "RANGE ANXIETY".

# EV Charging Beyond Urban



Zoom in the rural area. In 2024, as a **PILOT**:  
**+ 20** charging stations,  
**+ 50** charging guns  
**+ Profit USD \$ 5000** in total, including \$ 3000 for B&B owners  
**+ 25,000 tons** carbon emission reduction



Provide **affordable** charging service with **accessible** network and **aggregated** energy supply.



# “EV Charing Beyond Urban” wins UN SDG innovation Award



# ⚡ Innovative Practice of Carbon Account with Green Inclusive Cloud



Third-party Charging Service



**北京绿色生活季2022** — **快电**

前往快电平台对新能源车进行充电，每充电1度可获得460g减排量



10:28 三晋绿色生活

## 三晋绿色生活

打卡赚积分

**三晋绿色生活减排情况**

累计减排人数	累计减排次数	累计减排量(吨)
53,620	4,003,048	1,582.33
环比+28,025	环比+408,263	环比+258.31

打卡赚积分 我的积分

积分兑换 我的

三晋绿色生活

行

太原公交 美团单车 快电 青桔单车

个人碳账本 积分兑换 我的



**北京绿色生活季2022**

北京绿色生活碳普惠平台  
个人碳账本

## 正式上线

绿畅出行

美团 美团单车 城市铁建 快电

绿助光盘

美团外卖 饿了么

绿动京城

小鹏汽车 AITO 问界 M5 极狐汽车

绿色金融

交通银行 北京银行



**北京绿色生活季2022** 指导单位 北京市发展和改革委员会 主办单位

## 北京绿色生活碳普惠平台 正式上线

**01 获得减排量** 共享单车出行 对新能源车充电 购买绿色家电 选择无骨餐具 使用电子面单

**02 计入碳账本**

**03 获得绿色积分**

**04 兑换多种奖励**

登录“绿色生活季”小程序查看

 To Improve the Stability and Efficiency of Global Transport Energy Network





pta 植物联盟  
plant technology alliance



Leather Cultivated by Mycelium

**Finalist**

by PurewayBio





# Hele Xiaohai National Fishery Park

# Finalist

by Wanning City Hele Town  
Rural Revitalization Service Center







# Biological Green Container Packaging Project

# Finalist

by GTI





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plant technology alliance



## Carbon Reduction Board Game

# Finalist

by Little Whale





pta 植物联盟  
plant technology alliance



科莱美特

# Pugongying Project

# Annual Award

by Zero Waste Promotion Association  
of Longhua District Shenzhen City



公益传播



商业向善  
Business For Good



pta 植物联盟  
plant technology alliance



科莱美特

iPaint

# Annual Award

by Little Whale





pta 植物联盟  
plant technology alliance



科莱美特  
COLLETTI

# Congratulations!



公益传播



商业向善  
Business For Good

**Executive Secretary-General  
of CYCAN**

**Silu Zhang**



China Youth Climate Action Network

# How We Use Climate Board Game to Empower Young People?



636

ACTIVITIES

180

ORGANIZERS

60

CITIES

5494

PLAYERS

As Mysterious As  
Clouds And Rain





# WHY boardgame? HOW it was developed?

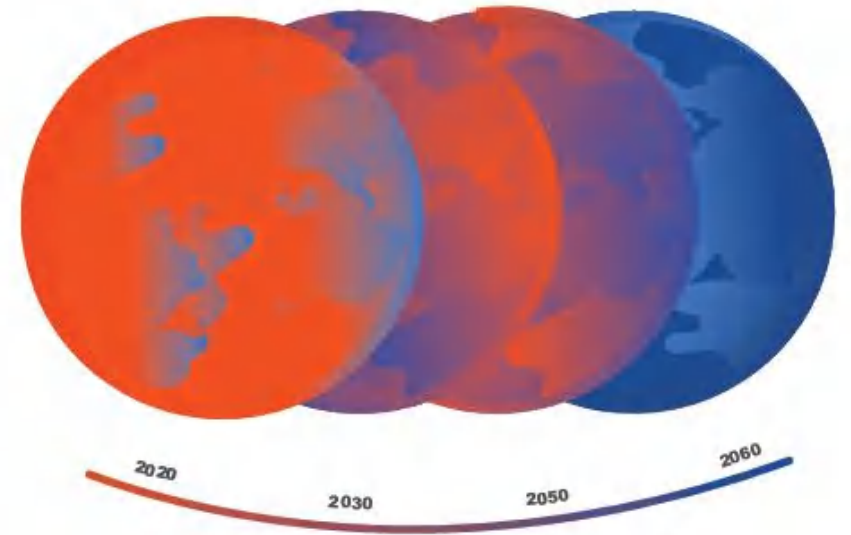
**Non-didactic Climate Education:** In 2020, we did survey and published a report and found out young people like experience and don't like to be "taught".

**Youth:** 18-35, curious about climate change, lack tools

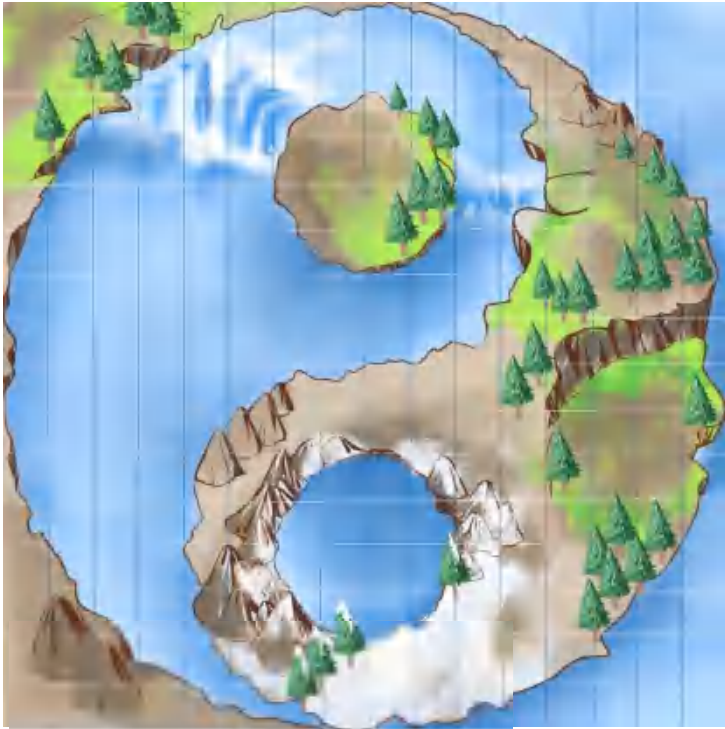
**Continually Support:** Heinrich Boll Stiftung 3-year Support

**Flagship Project:** keep creating with development perspective

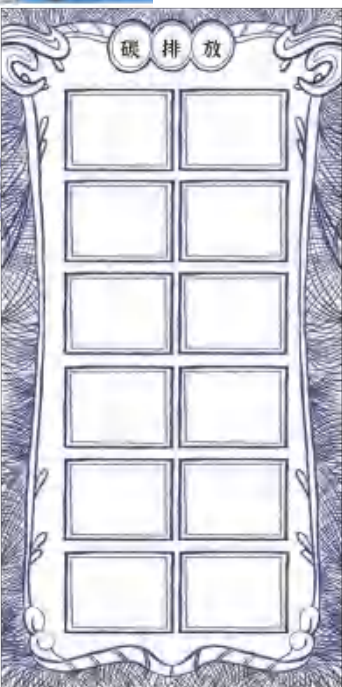
## **Chinese Youth Climate Awareness and Climate Action Report 2020**







# Elements and Game Props



**Chinese element:** Tai Chi, Dragon, Shi Nong Gong Shang (official, farmer, artisan/work and merchant)

**Game Props:** Map, Character Card, Disaster Card, Carbon Emission Tank





ORGANIZER  
NETWORK

CLIMATE  
ACTORS



**Climate Actors:** university teachers, community workers, youth community managers, corporate human resources managers...

**Training:** two-day training (climate knowledge, facilitation skills, boardgame approach, community building)

**Continued Support:** small fund, materials, community...

**Online Tutor**

# Player Feedback

Student: At first, I just wanted to win, but later I realized that we need to reach a consensus on emission reduction in order to upgrade our industry and achieve development, which is a real win.

NGO professional: I work in the field of environmental protection, and I should be an environmental person. But in this game, I began to explore the boundaries of destruction and caused a disaster, ultimately resulting in the death of the farmer.

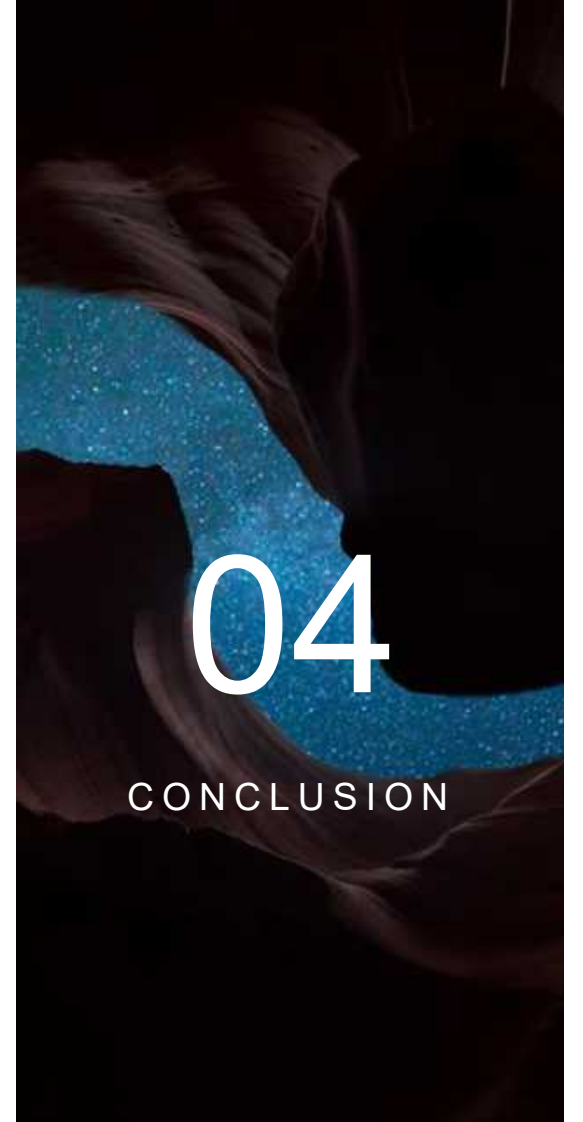
I have always felt that there are a lot of restrictions on the development of the second sector that it need to protect the environment and also donate money to achieve social responsibility. In this game, I realized that a lot of the transformation starts in industrial production, which can help the country develop.



**ARCH Project Officers**

**Shadi Waldo,  
Alwiua Serelkhatim**







01

# INTRODUCTION





The impact of desert encroachment on agricultural lands in the Atbara River sector (Al-Damar locality)

\_ The Implications of War on Climate Action and Response Policies

\_ The Implications of climate change and the policy of confronting it in Gedaref State

\_ Financing Climate Adaptation Policy in the Agricultural Sector in Sudan

\_ Resilient Futures: Enhancing Flood Resilience in Sudan

The Horn of Africa has a long history of natural, environmental, and humanitarian disasters. Countries in the region are among the most vulnerable to climate change risks, the least prepared for climate shocks, and some of the most fragile, unstable, and poorest countries in the world.

Sudan is facing an escalating climate crisis characterized by rising temperatures and unpredictable rainfall patterns that contribute to increasingly severe flood events. Over the last century, Sudan's average temperature has risen by 1.5° C, intensifying the frequency and impact of extreme weather events. Historic floods in 1946, 1988, and 2013 caused widespread displacement and damage, culminating in the catastrophic 2020 floods,

The northern third of the country poses a major challenge due to desertification, as these areas lie between latitudes 18 degrees and 110 degrees north, and represent about 51% of the country's area.

Active sand dunes in the northern region move at an average of 15 meters annually towards the Nile River, causing clear negative effects in some areas adjacent to the Atbara River and the Nile River, such as soil erosion and drift

02

FACTS TO KNOW



Sudan is ranked eighth in terms of vulnerability to climate change, fifth in terms of vulnerability out of 185 countries in the world, and 175th in terms of readiness according to the Global Adaptation Initiative Matrix of the University of Notre Dame

# **The effects of desertification on the region and the local community:**

- Economic impact
- Environmental impact
- Social impact
- Political impact

Rainfall in Gadaref State:

Causing delays in crop cultivation, for example, delaying the date of planting sorghum from June 20 to June 29 for the period 2020-2035 and from June 29 to July 19 for the period 2020-2035



Floods:

displaced over 500,000 people and caused significant socio-economic and public health challenges. Despite policy frameworks such as the National Adaptation Programme of Action (NAPA) and Nationally Determined Contributions (NDCs), challenges in implementation and coordination hinder efforts to build flood resilience.

03

SOLUTIONS



Involving agricultural and peasant associations in the distribution of seeds, seedlings, fruit trees and shade trees to citizens in Atbara locality by the Ministry of Agriculture and the Forestry Authority

Adopt educational policies that ensure climate and environmental work within the curricula at all educational levels (primary, preparatory, intermediate, secondary)

Activate the policy of partnership with the private sector to attract modern agricultural equipment.

Enhancing the ability to adapt to climate change and reduce its effects through training, income-generating professions and the use of alternative energy.

Adopt national financing policies to combat desertification.

Integrated Policy for Agricultural Extension and  
Strengthening Agricultural Policies in Local  
Communities for Sustainable Development and  
Empowerment of Local Communities  
National Policy for Satellites and Improving  
Climate Change Forecasting

04

# CONCLUSION



—The policy paper recommends that policymakers in Africa strengthen financial systems and instruments, enhance the role of the private sector, harness emerging technologies, and secure financial commitments Climate.

\_ creating an enabling environment for international financing and investment We also urge policy makers in Sudan to educate farmers about the impacts of climate change, adaptation methods and access to financing,

\_ developing the public-private partnership law in accordance with green investment standards Developing agricultural financing policy in accordance with the green.



Benefit from the grassroots: such as committees, emergency rooms, and others that worked during conflicts.

Invest in the country's foreign diplomacy:

by creating regional and international partnerships with short- and long-term plans to enhance growth and climate action, including post-conflict plans in key sectors such as agriculture, water and health, using national strategies for adaptation and mitigation to create appropriate conditions and promote strong expansion after wars.

Natural Resources and Water Management:

Develop resilient infrastructure, including drainage systems and flood barriers, to mitigate the impacts of flooding.

Implement Integrated Water Resource Management (IWRM) to optimize the use of water resources while addressing flood risks.

**Deputy Secretary-General of  
Green Zhejiang**

**Qintian Yao**



GREEN ZHEJIANG

# Climate Education Practice





CAP4Youth with Tanzania NGO  
TEEMO

# Public Awareness Raising on Climate

Duck Knows Climate Cultural Festival with  
Greenpeace China

# Youth Empowering on Climate Action





Together with the UN Regional Professional Center for Education in Hangzhou, China Hangzhou Low Carbon Science and Technology Museum, Zhejiang Science Association Resource Environment Society, German Hans Seidel Foundation, and more than 20 Schools in Zhejiang, we jointly initiated the "Climate Angels" Project.



# 给课堂来点魔法 让气候教育发光

杭州市东城外国语实验学校 胡珍珠



# What we do

- Teacher training
- Teaching resource development
- Climate science education in schools
- Youth-led clean energy science communication vlogs

## Textbook development



### 让地球少「碳」气



开发：北川普光大学第一附属小学  
台志英、李利梅、杨少章

气候变化已成为全球最大的环境问题之一。全球所有国家和地区都面临着气候变化的巨大影响。温室气体排放持续上升，增加了超过50%。此外，全球变暖还导致极端天气事件频发。如果我们现在不采取行动，那么气候变化将变得不可逆转。海平面上升、极端天气及森林火灾等灾难性的后果。联合国可持续发展目标13年，每年需要1000亿美元资金，满足发展中国家需求，改善。

目前，由人类活动产生的温室气体排放是造成全球气候变暖的主要原因。随着人口增长和工业化的快速发展，自然资源消耗巨大，温室气体排放量持续增加。自然生态系统和生物多样性正受到严重威胁。因此，采取切实有效的措施减少温室气体排放，已成为全球可持续发展的关键问题。各国政府、企业、学校和公民都应行动起来，共同应对气候变化挑战。

每个国家都有责任和义务承担减排任务。我们应共同努力，通过技术创新、政策引导和公众参与，实现碳达峰和碳中和目标。只有全人类携手合作，才能有效应对气候变化带来的挑战，保护我们赖以生存的地球家园。



### 我是气候大侦探



联合开发：湖州普光高级中学 林大森、陈林林  
北川普光大学普光附属小学 台志英、杨少章

2021年气候大会，全球气候问题再次成为焦点。北京冬奥会开幕式上，中国代表团入场时，全场观众齐声高呼“碳中和”。这不仅体现了中国对实现碳达峰、碳中和目标的坚定决心，也反映了全球人民对应对气候变化的共同呼声。

随着全球变暖加剧，极端天气事件频发。在过去三十年里，全球变暖已导致一个令人不安的问题：海平面上升。根据最新数据，海平面上升速度正在加快。预计到2100年，全球海平面将上升0.6至1.1米。这将导致沿海地区被淹没，数亿人将失去家园。此外，全球变暖还导致冰川融化、海冰消融，威胁到极地生态系统的稳定。

人类活动加剧了气候变暖，这与我们目前的生活方式和地球的未来息息相关。如果我们不采取行动，那么气候变化问题将变得难以解决。我们必须立即行动起来，减少温室气体排放，保护我们的地球家园。

在联合国气候变化大会上，科学家们警告说，全球变暖正在以惊人的速度发展。15摄氏度升温将带来灾难性后果。我们必须立即采取行动，实现碳中和目标，为子孙后代留下一个宜居的地球。

从学生们的角度来看，气候变化问题既令人担忧，也充满希望。通过科技创新和公众参与，我们可以实现碳中和目标。让我们行动起来，为应对气候变化贡献自己的一份力量。



"I wanna be cool" climate song teaching in junior schools



Science communication vlog produced by Climate Angels



让他带着我们一起进去看看吧





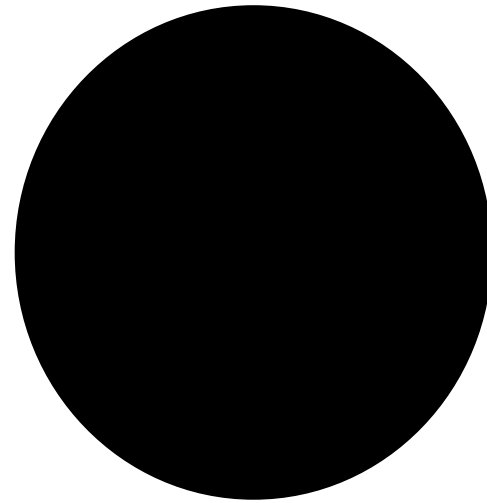
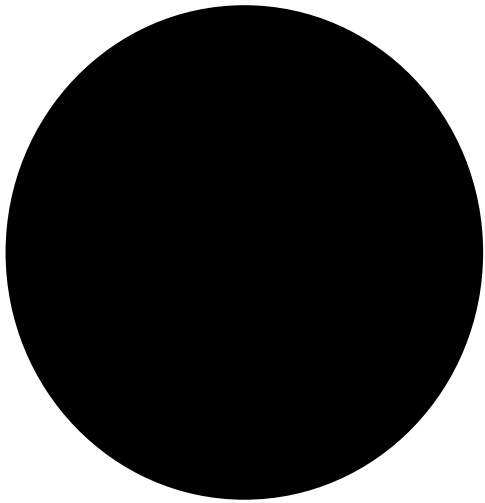
# Zero-Carbon Campus Guide Release



**Climate Angels of Green  
Zhejiang, Wahaha Bilingual  
School Hangzhou**

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# **Greenspark Climate Innovation Network**



“ 离离原上草，一岁一枯荣。  
野火烧不尽，春风吹又生。  
——白居易

On the plain the grass stands thick,  
Each year it wilts, then freshens quick.  
No wildfire can its life erase,  
For spring's breeze brings it back to grace.  
——Bai Juyi(Ancient Chinese poet)

scan to join us



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Thank you for supporting youth  
climate innovations!

