

Bugs 4 Oceans

Protecting Ocean Biodiversity by Insects

Wenzhu Gong

Nature Name: Mangosteen hamster

RCE Suzhou Secretary

Youth Project Executive of Suzhou Green Light-Year





Our Mission

Making sustainable development fun for everyone

Our Vision

Leading sustainable development education in China

8 Core Competencies of Adolescents

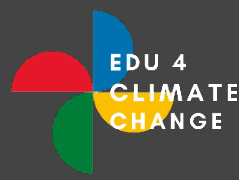
- System thinking literacy
- Collaborative literacy
- Predictive literacy
- Normative literacy
- Strategic literacy
- Critical thinking literacy
- Self-awareness literacy
- Problem-solving literacy



About Bugs 4 Oceans



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Bugs 4 Oceans Program organized and launched by the RCE Member - **Suzhou Green Light Year** in 2022.

Youth can be empowered with **knowledge of SDG, ESG, and business thinking**, and have the capacity to **execute projects, empower more residents with their theoretical knowledge** while promoting and practicing the ESD in East China via a clear youth growth development blueprint.



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沉浸学习 回归本心与未来同行





February 2022. Bugs 4 Oceans started preliminary

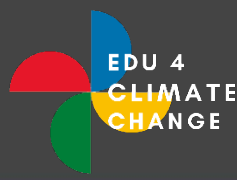
April 2022. Youth Research Projects:

- **Team Catbell:** Sustainable Cat Food – Reversing Negative Trends and Restoring Planetary Correlated Human Health (**Champion** of ISCES 2022 held by UNEP and Tongji University)
- **Team Happy Planet:** Cost and Benefit Analysis of ESG Investment for Insect Based Animal Feed (**Finalist** of ISCES 2022 held by UNEP and Tongji University)
- **Team Microfiber:** Smart Treatment of Micro Plastics from Household Laundry Activities (**Finalist** of ISCES 2022 held by UNEP and Tongji University)

May 2022. Research Project:

Mapping the Food System Around us was launched





June 2022. Teenager PBL Research Project – From Farm to Table

- Food Mile – Carbon Emission during the Food Transport
- Research on Biodiversity in an Organic Farm
- Economics of Eco-Food – A Survey of Crab-Rice

(The final research reports attracted editors of **the 100 Thousands Why** and are publishing by season. There are over 1 million readers read the 100 Thousands Why and learn tips on protecting different agri-foods at the same time.

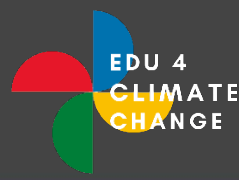
November 2022. Those three research projects were invited to make a speech online during the Global Youth Climate Week before COP27 and over **10,000** audiences.



Actions and Results



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March 2023. Research Project:

- **Nature Creation Youth:** Combatting Food Fragility — "Nature Creation" Black Soldier Fly Farm, Youth Market Investment Opportunities

(**Finalist** of Youth 4 Climate Global Challenge held by UNDP)

April 2023. Research Project:

The Project Manager (Wenzhu Gong) was invited to the **4th Global Conference of the One Planet network's Sustainable Food Systems Programme (SFS Programme)** and learn more insect-based pet food cases during the conference.

August 2023. Bugs 4 Oceans Officially launched and start recruiting volunteers



沉浸式学习 回归本心与未来同行





12 August 2023.

It is the **first** time for **Bugs 4 Oceans** invite experts on Ocean Protection to do the public education via livestreaming. There are **970** online audiences, and **50** audiences were watching this online lecture at the same time.

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ECOWIRE

非绿光分享嘉宾的观点不代表本播出平台及所属机构的观点

第四十三期线上分享
8月12日 19:30 -21:00

善用海洋生态服务功能 应对气候变化

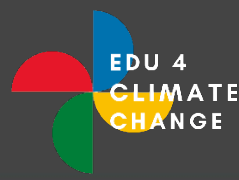
本期主讲人：陈尚 研究员

陈尚研究员是国内知名海洋生态保护专家，长期致力于海洋资源资产、生态服务、生态补偿和生态保护的科学与政策研究，擅长把科学知识转化为管理政策。兰州大学生态学学士和应用数学硕士，中国海洋大学海洋生态学博士，日本东京大学博士后。

他曾任：国家海洋局第一海洋研究所海洋生物研究室副主任，全球环境基金东亚海项目中国办公室技术主管，政府间中韩海洋科学共同研究中心副主任，全球环境基金黄海大生态系生物多样性国际工作组中方组长。



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10 October 2023.

The Researcher of Bugs 4 Oceans – Rongsheng Zheng did the second public education online. There are **300** online audiences, and **70** audiences were watching the livestreaming at the same time.

01



Tuesday

BUGS 4 OCEANS

昆虫计划

第一期线上分享：10月10日 19:00-20:30

昆虫蛋白宠物粮

为宠物和地球的可持续未来而创新



郑荣圣

鸾尾折耳兔

Nature Creation Youth

执行队长

郑荣圣本科就读于宁夏大学&上海交通大学双学位葡萄与葡萄酒工程和国际经济与贸易专业，曾在美国密苏里州立大学葡萄酒工程专业参加为期一年的交换生项目。在交换期间，郑荣圣曾获得密苏里州西北四省区就业创业大赛一等奖。

荣圣毕业后创立宁夏智葡网络科技有限公司，获得了农业行业的实践经验，后于爱丁堡大学攻读粮食安全硕士，致力于推动可持续农业和粮食安全。他也是昆虫计划 (Bugs 4 Oceans) 的项目顾问。

2022年，他通过深度参与食物系统课题组与绿色光年结缘，并参与撰写《我们身边的粮食系统》一书。

2023年3月，他作为Nature Creation Youth的执行队长，与来自同济大学的陈姝同、多伦多大学的Richard Yan、西安外国语大学的叶佳倪共同参与了世界银行集团青年挑战赛2023，以及由UNDP主办的Youth 4 Climate 全球挑战赛。

2023年10月，他将代表Nature Creation Youth前往罗马参加UNDP Youth4Climate 全球挑战赛总决赛。

同期，他将与绿色光年青年代表团一同前往联合国粮农组织总部参加 World Food Forum 2023。

扫码预约



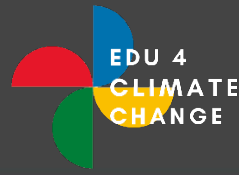
扫码加群



Actions and Results



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16 – 20 October 2023. Delegates of Bugs 4 Oceans were invited to attend the World Food Forum 2023 in Food and Agriculture Organization of United Nation, Rome



Our average age is **18.5** years old



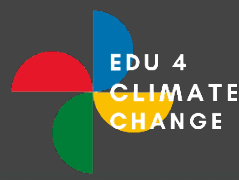
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Actions and Results



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17 October 2023. Team Leader Rongsheng Zheng was invited to do the final presentation of Youth 4 Climate Global Challenge in UNDP, Rome



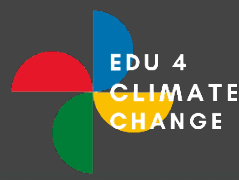
深度学习 回归本心与未来同行



Actions and Results



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20 October 2023. As one of the five Finalists of Global Education Fair, Bugs 4 Oceans was invited to make a speech to global. The 15 years-old research volunteer share our story and educational model to global.

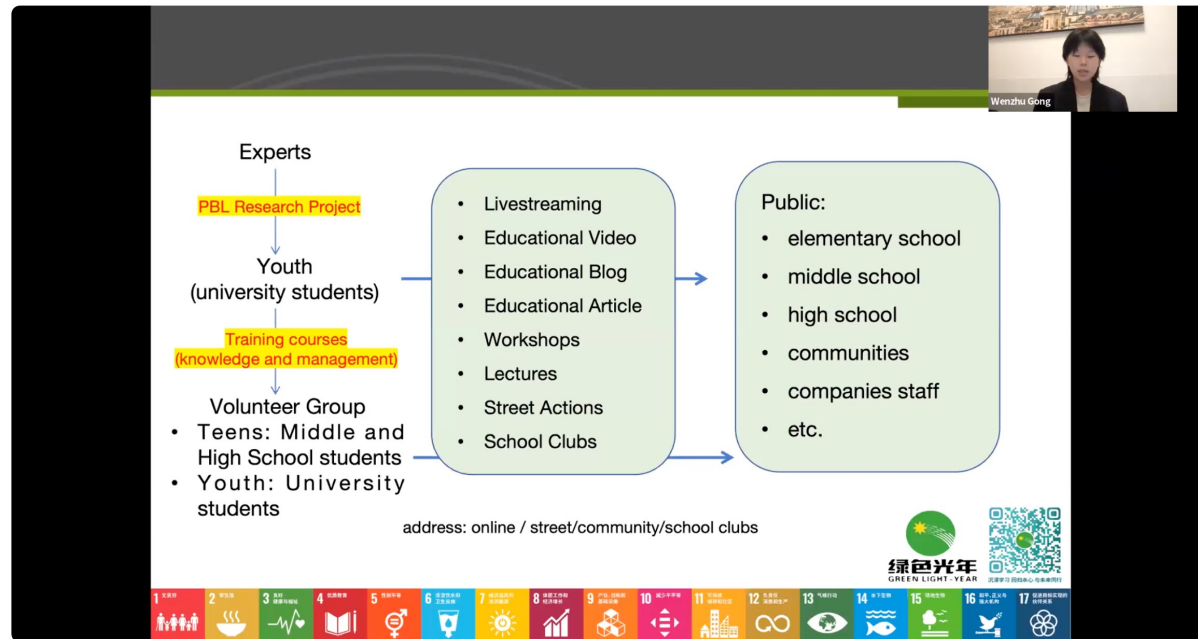
YV24 – Global Education Fair awards

Fri, Oct 20, 2023 3:00 PM CST



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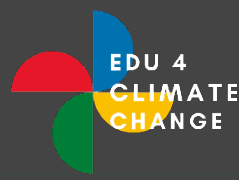
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Program Plan since November 2023



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Volunteer Team Formation
(2023.8 - 2023.9, completed)
30 volunteers come from 10 cities, 11 universities

In plan:
New Research Projects for Youth and Teenagers
(2024.1 - 2024.3, in plan)



Research Team
(2023.2 - 2023.7, completed)
Global Finalist of:
UNDP Youth4Climate 2023: Powering Action
UNFAO WFF Global Education Fair 2023

Team Project Promotion
(2023.10 - 2023.12, in processing)
completed:
2 online sharing live stream, 1270 audiences

Launch Pilot Project in Shanghai
(2024.4 - 2024.12, in plan)

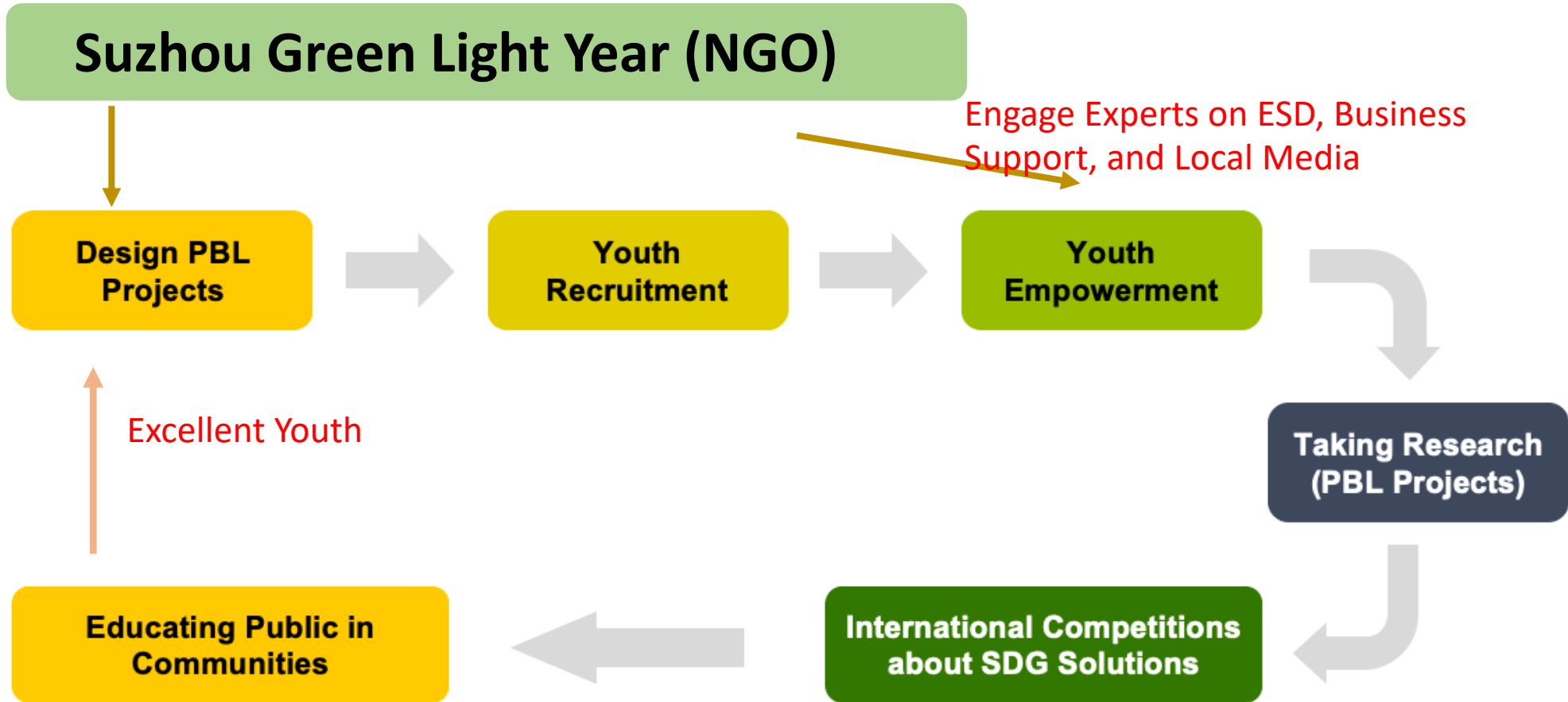
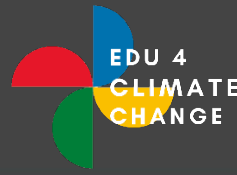
**In plan: 3 live streaming and educating 2 communities by
insect protein can protect ocean biodiversity**



Educational Model



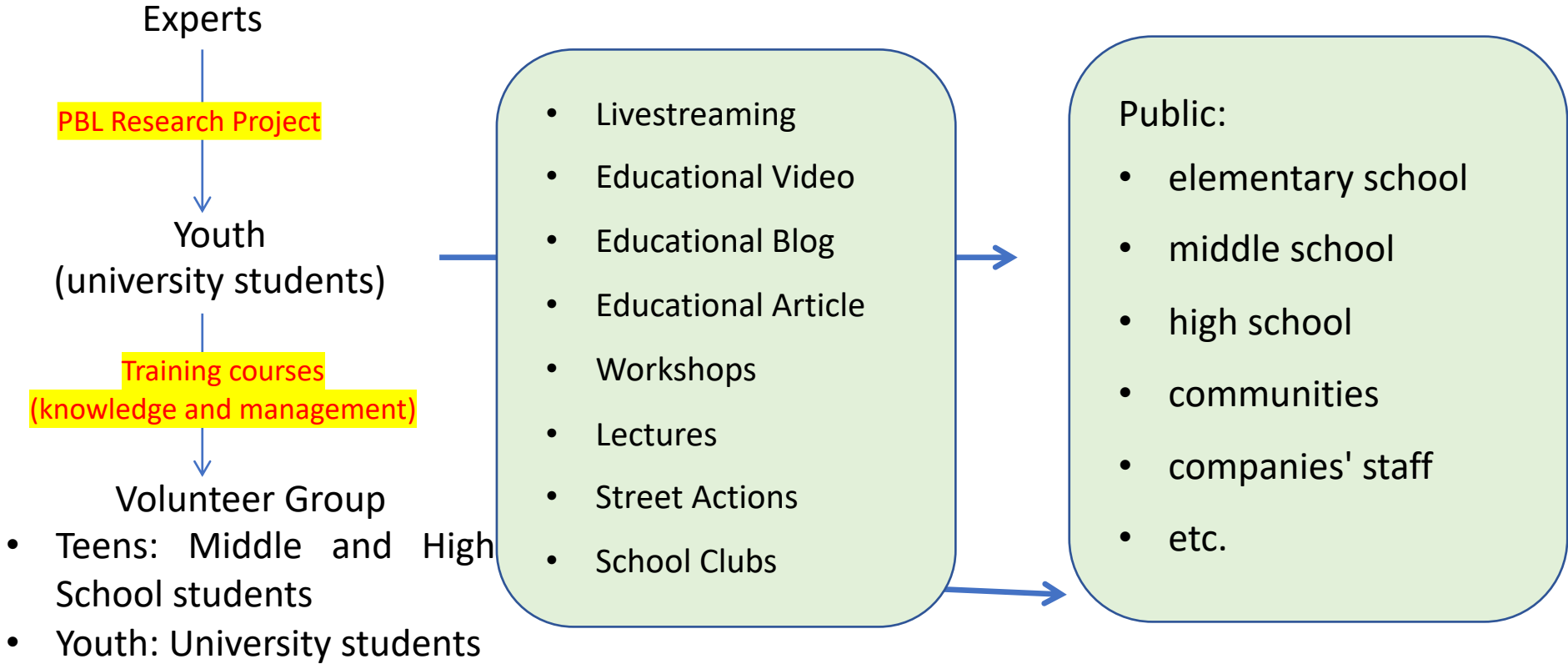
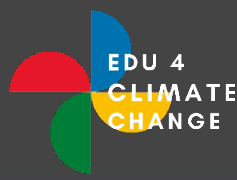
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Empowering and Practicing



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address: online / street/community/school clubs



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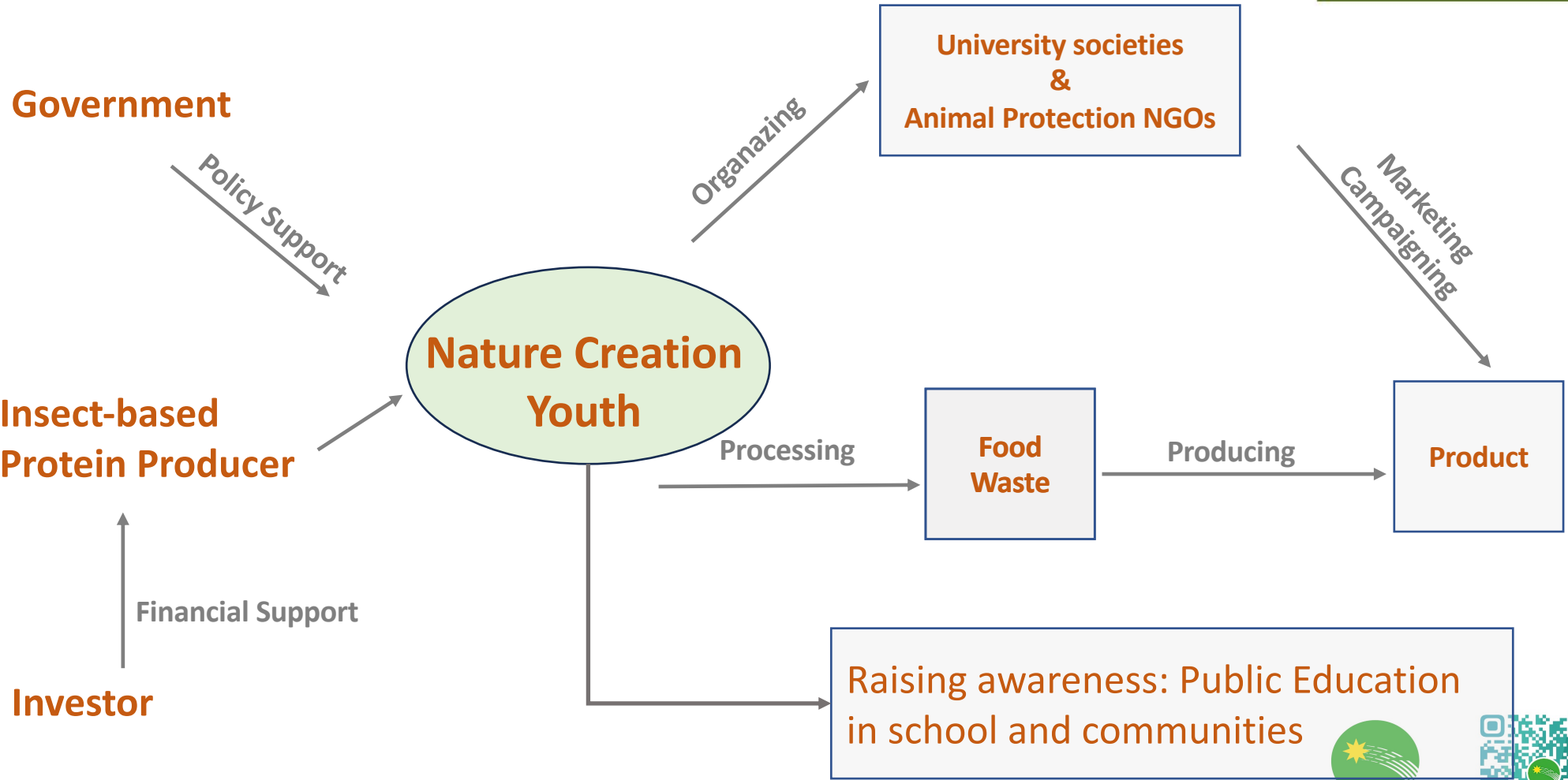
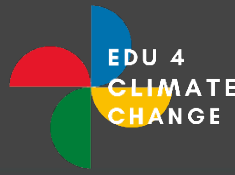
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Case Study – Nature Creation Youth



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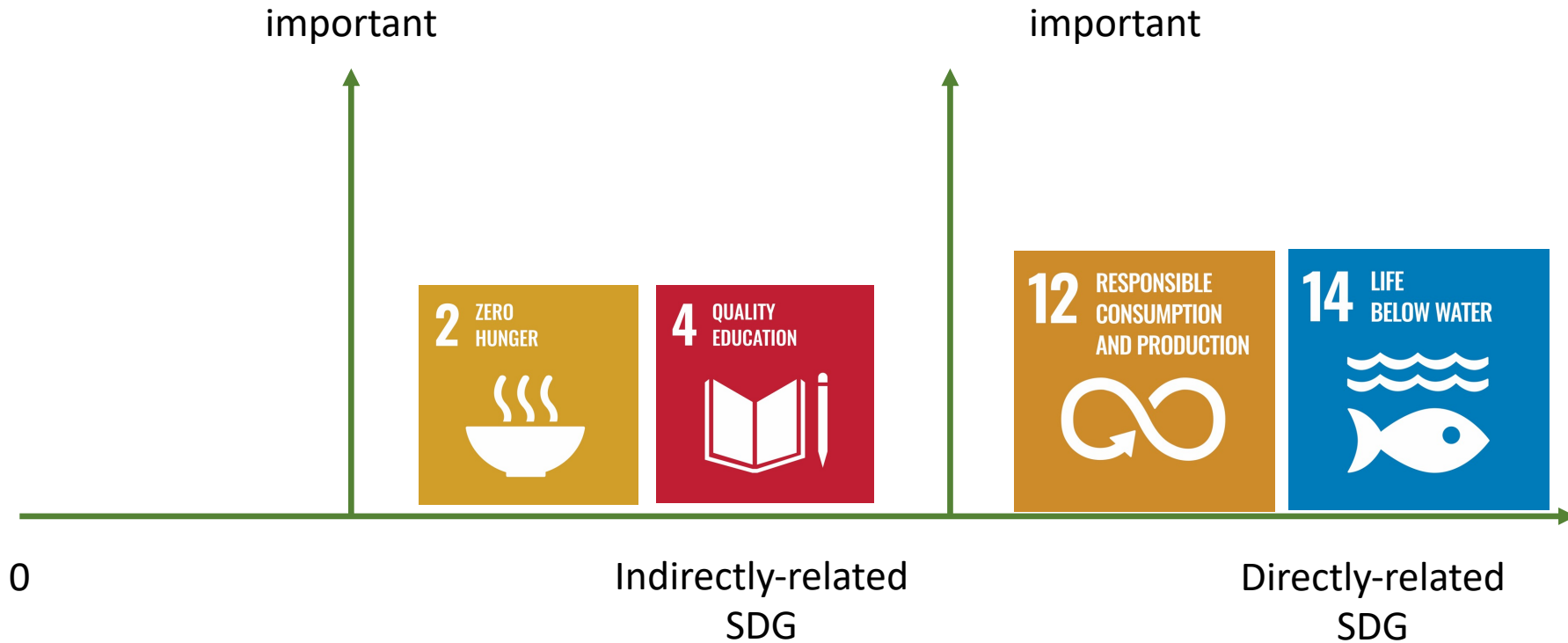
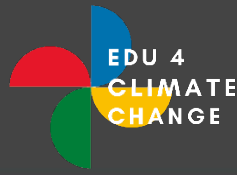
沉浸式学习 回归本心与未来同行



SDG - Related



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When Life below Water is Dangerous

Refuse OR Replace

This is a Question

Thanks for your listening

Wenzhu Gong

Nature Name: Mangosteen hamster

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