



青少年护水计划

YOUTH WATER PROTECTION PROGRAM



ACKNOWLEDGED BY



UNITED NATIONS
UNIVERSITY



RCE Hangzhou



The Paradise
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绿色浙江
Green Zhejiang

I've seen environmental education for elementary schoolers in a few different countries. Students get connected with some local rivers and become "River Angels". They observe the rivers, take records of changes that take place, and learn about the value and importance of the environment. After becoming "River Angels", These kids' dedication and spirit can fully be put to use. Some of these kids become even more responsible than adults. I hope that in China, our schools can also have such a group of

River Angels



Innovation | Communication | Research | Action



PRIMARY GOALS

4 优质教育



6 清洁饮水和卫生设施



11 可持续城市和社区



Secondary Goals

7 廉价和清洁能源



8 体面工作和经济增长



12 负责任的消费和生产



13 气候行动



14 水下生物



15 陆地生物



17 促进目标实现的伙伴关系



Project introduction



Apply to become a “River angels” school

- The River Angels program unites international professional institutions, government departments, non-profits and social organizations, and middle and elementary schools, inspiring youth groups such as student clubs and young pioneer teams to select a river section and become its “River Angels” .
- Through participating in water resources protection action, communication, research, and innovation, students are trained to become local waterway protectors, environmental interpreters, and water resource protection solution innovators.
- As of now, there are 36 elementary schools and middle schools in Hangzhou that have entered the “River Angels” program, covering a student population of over 100,000.



3 Major Objectives



Bring River Angels to more new places in and out of Hangzhou, increase **cross-boundary** learning and collaboration, and develop interesting and engaging **STEAM** curriculum through interdisciplinary innovation

Create a theory, laboratory, and data-based **curriculum system** that has assessment standards, can provide effective feedback, is sustainable and replicable, and can achieve noticeable results in society

Train students to **identify and solve problems** while also giving students environmental awareness and increasing their sense of **social responsibility**

年实践项目——“小河长”青少年护水计划



River Angels (“Little River Chiefs” if translated directly from Chinese) aren’ t “little” at all, nor are the problems that they are working to solve, nor is the level of enthusiasm of these students, nor is the importance of what they are doing in regards to their overall educational experience, nor are the new methods that we have at hand thanks to the constant development of technology. Indeed, “River Angels” in itself represents a societal force that is not small whatsoever.

——Vice chairman of the Zhejiang Provincial Political Consultative Conference, Guohui Zhou

First class of the new semester

In September of 2018, “River Angels” Youth Waterkeeper Program had its kickoff ceremony at Hangzhou Xuejun Elementary School. Nearly 400 students from 30+ middle and elementary schools around Hangzhou attended and listened to the “first class of the new semester” .



Taking action at school

The River Angels program established a “River Angels” Fund which supports participating schools in running various types of River Angels activities and events.

- Hangzhou Xuejun Elementary School: “A good River Angel fights for environmental protection” team day event; “Water Detectives” lab competition
- Hangzhou Bowen ES: River Angels Xiang Lake beach cleanup; River Angels trivia competition
- Hangzhou Maiyuqiao Elementary Education Group: “Fishing Rhyme” STEAM class
- Hangzhou Jingdu ES: Offers a “Canal Protection River Angel” certificate to first year children who enter the River Angels team
- Hangzhou Lucheng Yuhua School: Shares “love water” “protect water” concepts with students via themed program broadcasted on school TV channel



Taking action around school

小河长巡河、护河



开展清理河道与污水行动



派发活动宣传单



River angels select a section of the river to protect. They regularly conduct patrols of their section and organize river protection activities.



Broadening international perspectives

- The River Angels Program launched the “China – New Zealand ESD Forum” , held at Hangzhou Jianlan Middle School. The event was attended by representative students and teachers from 30+ middle and elementary schools in Hangzhou as well as important figures from society, journalists, and 10 principals from New Zealand.
- The River Angels Program has participated in various professional ESD training and networking activities held by UNESCO Beijing, Project WET, and more.
- River Angels eagerly participated in the 12th UN Asia–Pacific RCE annual meeting, SDG speech competition, and SDG curriculum design competition.

Broadening international perspectives



▼ 踊跃提问的孩子们



Ask the world, What is your future like?

In November of 2018, during the H20 Global River Cities Conference, over 700 “River Angels” from Hangzhou, as well as 10 mayors and city representatives from around the world, had a face-to-face chat about water culture, water education, water technology, and water resource management.



River Angels + Art

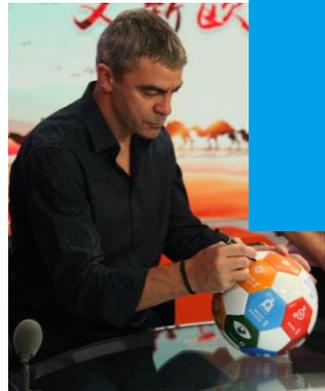


Qiantang River Seawall Mural

- Through the River Angels Program, students created themed artwork on the topics of Qiantang River protection and Mother River protection. Over 10.7 kilometres of the wall is covered in paintings, and it is the longest mural in the world.
- In November 2018, artwork drawn by kids from 20 cities around the world was added to the wall by the 20 mayors and city representatives who attended the H2O conference

River Angels + Sports

- The River Angels Program launched the SDG Soccer Match, held at Hangzhou Xuejun Middle School. Team members must pass an SDG basic knowledge test before participating in the match. Nearly 80% of team members achieved at least 90% on the test; the 6.5% who scored between 60 and 80 only participated in half of the match.
- The soccer ball used by the match has images of all 17 SDGs on the surface.
- Former Real Madrid football team captain Manolo Sanchez signed the soccer ball and expressed his support of the River Angels and ESD.



River Angels + Music

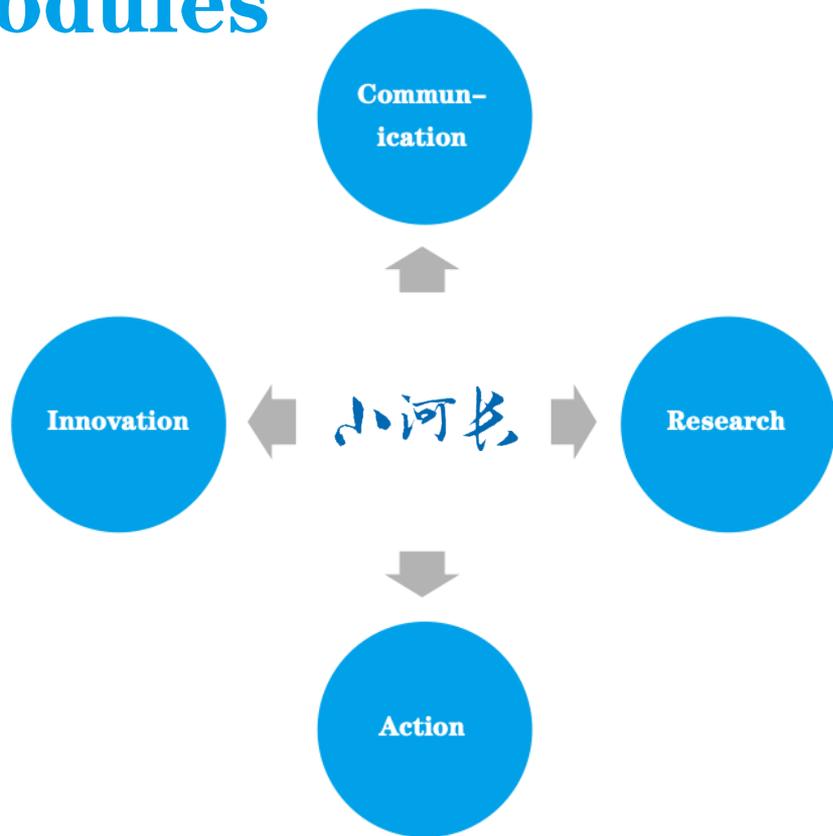


“The Voice of the River Angels” Choral Performance

- Students and teachers from the schools that first started the River Angels Program cooperatively organized a river song performance, expressing the importance of protecting rivers through an artistic form
- Nearly 500 exceptional River Angels from 38 participating schools gathered at Hangzhou Qiantang Foreign Language School to participate in the 2019 River Angels Assembly and “The Voice of the River Angels” Choral Performance



Four Modules



Water Protection Reporters



Zhangzhe He is a River Angel from [Hangzhou Zhongce Vocational School](#). He and his classmate filmed a [documentary about river protection](#) and described how a passionate citizen from the West Lake district is protecting 10 kilometres of the river along Shuangpu Street.

Water Resources Management Activists

Siming Yu is a River Angel from [Hangzhou Changjiang River Experimental Elementary School](#). He picked a cool name for his 5-member River Angel team: [Changjiang River Explorers](#). They regularly patrol [Taohua River](#), clean up trash from the area, and share concepts of water resource protection and loving water with city residents.

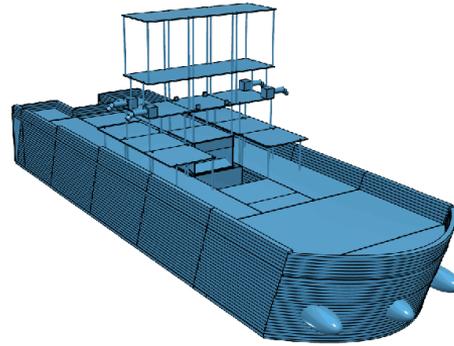


Water-Loving Researchers

Leqi Xiang is a River Angel from [Hangzhou Xuejun Elementary School](#). She used The Internet of Things technology to develop a symbiotic system for fish and plants.



Innovation



Zihan Chen is a River Angel and young inventor from [Hangzhou Shidai Elementary School](#). He pondered for a long time about how to conduct highly efficient river management device, and finally designed this model for a [river management boat](#).

5 Levels



Know



Do



Become



Innovate



Be
Exceptional



River Angels + Technology

River Angels mini program

In order to help kids understand more about rivers, discover, record, and solve water environment issues, and scientifically engage in hands-on water environment activities, the program team developed a platform upon which “River Angels” and schools can conduct data management.

Become a
river angel

Patrol the
river

Apply for
tasks

River
angels list

Environmental
interpretation





感谢聆听

THANKS FOR YOUR ATTENTION



ACKNOWLEDGED BY

