Students Reinventing Cities

C40学生重塑城市竞赛

侯静，C40中国重点行业部门高级经理
姜婧婧，C40中国绿色繁荣社区项目经理
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C40机构简介
About C40
C40 is a network of mayors of nearly 100 world-leading cities collaborating to deliver the urgent action needed right now to confront the climate crisis. Together, we can create a future where everyone, everywhere can thrive.

C40是一个致力于应对气候变化的世界特大城市及市长网络。C40支持城市高效协作、分享知识并推动有意义、可衡量和可持续的气候行动。
Key stats about C40 cities

- **96 cities** 座成员城市
- **7 regions** 个区域
- **20% of the global economy** 全球经济占比
C40 Cities in China

- Beijing (北京)
- Dalian (大连)
- Qingdao (青岛)
- Shanghai (上海)
- Shenzhen (深圳)
- Hong Kong (香港)
- Guangzhou (广州)
- Wuhan (武汉)
- Nanjing (南京)
- Hangzhou (杭州)
- Fuzhou (福州)
- Chengdu (成都)
- Nanjing (南京)
- Zhenjiang (镇江)

China member cities of the C40.
Students Reinventing Cities
背景和目标
Background & objectives

鼓励青年关注气候变化议题，竞赛旨在：
● 为学生和高校创造空间，鼓励其提出创新想法和切实解决方案。
● 加强学生们对应对气候变化的前沿解决方案、政策和技术的了解。
● 积极推动学生和城市政府之间的合作，为低碳城市发展提供新方案。

Building on the mobilization of youth on climate change, the competition aims to:
● Create a space for students and universities to generate fresh ideas
● Strengthen students’ knowledge on the leading solutions, policies and technologies for climate change
● Actively drive collaboration between students and city governments to deliver new approaches for low carbon urban development
We must harness a model for low-carbon urban development that is human-scale, thriving and inclusive for our future.

The neighbourhood scale in a city offers some unique opportunities to accelerate towards net zero. A green and thriving neighbourhood should enable residents of all ages, backgrounds and abilities to meet their daily needs close to home.

Horacio Rodríguez Larreta
Mayor of Buenos Aires
Vice-Chair of C40 Cities

Anna König Jerlmyr
Mayor of Stockholm
Vice-Chair of C40 Cities

Anne Hidalgo
Mayor of Paris
Former chair of C40 Cities
Neighbourhood’s Unique opportunities
社区拥有的独特机会

Scale
规模

Governance
治理

Innovation
创新

Financing & Funding
融资

Collaboration
协作

Raise ambition
提升雄心

Drive change
推动变革
竞赛运作模式

城市Cities
确定有意愿开发或改造的社区项目
Identify large scale sites they would like to transform & revitalize

C40
组织国际比赛
Organises the international competition

学生和大学Students
提交最佳方案来建设/重建这些场所
Submit their best proposals to regenerate the urban areas

主题：绿色繁荣社区
Green & Thriving Neighbourhoods
The 1st Edition of SRC

18 cities took part
1000+ international students participated
150+ universities
The 1st Edition of SRC - winning teams

Click here to view the official promotional video for the winning teams, as well as their TEDx videos.
日内瓦市市长会见第1届竞赛获奖团队

The 1st Edition of SRC - winning teams

C40执行总裁Mark Watts、澳大利亚马鲁纳市市长、维多利亚州规划部部长联合签署获奖证书
The 2nd Edition of SRC

New edition of the global competition for university students to share their vision for green & thriving neighbourhoods

After the success of the past edition, C40 launches a new round in 13 cities globally. Students Reinventing Cities provides a unique opportunity for academics and students to collaborate with global cities to imagine a more sustainable and inclusive urban future, by rethinking how neighbourhoods identified by cities are planned and designed and developing transformative solutions aligned with the 15-minute city concept.

Discover the participating cities
第2届竞赛（2022-2023）
The 2nd Edition of SRC

参与城市名单

- 成都
- 镇江
- 安曼
- 巴塞罗那
- 德班
- 弗里敦
- 里斯本
- 墨尔本
- 米兰
- 新奥尔良
- 罗马
- 圣保罗
竞赛时间表
Timeline

竞赛启动
C40全球市长峰会

COMPETITION KICK-OFF
At the C40 Mayors Summit

2022年10月20日

场地介绍宣讲会
Information sessions

2022年12月-2023年3月

参赛团队报名截止
REGISTRATION DEADLINE

2023年3月30日

各团队提交方案截止
TEAMS SUBMIT THEIR PROJECT (online submission)

2023年5月25日

宣布获奖团队及宣传活动
WINNERS ANNOUNCEMENT & COMMS CAMPAIGN

2023年6月

获奖方案评选
SELECTION OF THE WINNING PROJECTS

2023年7月

2023年3月-2023年6月
Competition Framework

Regulations & Guidance

Site Form + Dataroom
For each site: Site Form, Dataroom & Question Box
Luzelakes is located in the burgeoning Tianfu New District of Chengdu City which is bisected by Tianfu Avenue, a 90 km long city axis road within the south of Chengdu.

Luzelakes is the first high-end project in Tianfu New Area, a national level area which has a total planned area of over 533 km² and an anticipated population of 500,000. Luzelakes water area covers 4.4 million square metres and is a prominent urban waterland in Chengdu, exceeding the total lake area of Chengdu’s 5 main districts. Luzelakes has excellent transport connections with the new and old airport located 30 mins away and is served by two metro stations.

Luzelakes Park Community is an open international community which incorporates a mixture of high-quality residential areas, resident-city integration and national 4A scenic spots. Its city-side features include the integration of modern and living. The area is identified as the key point of Luzelakes, which is the most active area and demonstrates new construction at Luzelakes. The project aims to develop strategies which focus on a complete neighbourhood, people-centric mobility, green buildings & energy as well as cultural resources. The proposed measures should assist Luzelakes to achieve its goal of becoming a zero-carbon community.

Luzelakes Park Community, Chengdu

Related

Documentation

Dataroom Access

Open Dataroom
Shiyezhou Island is located in Shiyze Town, west of Zhenjiang and is the fourth largest island in the Yangtze River.

The area covers 1.2 square kilometers and has a total population of 14,400, with 5 administrative villages under its jurisdiction. Shiyehou Island, also known as the green island in the river and the ecological island, has ten 520 hectares of natural open parks and wetland landscapes. The Runyang Bridge is a large bridge that crosses the Yangtze River and spans Shiyehou from north to south, providing the island with easy access to transportation. In recent years, Shiyehou has successfully developed green industries such as recreational tourism, efficient modern agriculture, as well as health preservation.

Looking forward, Shiyehou is driving towards carbon neutrality, which promotes the overall integration of climate change, ecological environmental protection, and high-quality agricultural and tourism development. In addition, Shiyehou aims to improve the ecosystem's carbon sink capacity and create a "zero-carbon island" based on Shiyehou's existing planning foundation and ecological civilization construction. Shiyehou Island has been chosen as a site for this competition due to its potential to become a "carbon-neutral island". The area is identified as Shiyehou Music Plaza, which is located north of the island. Students should consider innovative ideas and strategies to develop a zero-carbon island by focusing on particular on sustainable waste management, recycling, resource consumption, sustainable tourism as well as the development of green energy infrastructure.
更多国际城市参赛社区：
Sites from other cities:

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<td>Edgars Rd / Main Street Hub</td>
<td>Site will be announced soon</td>
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<td>Melbourne, Australia</td>
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3 绿色繁荣社区的理论框架
G&TN Methodology
Green & Thriving Neighbourhoods: Global Guidebook + China Paper

绿色繁荣社区：全球指南 + 中国专篇

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Two Pillars
两大支柱性目标

Ten Modules/Approaches
十大模块
Two Pillars | 两大支柱性目标

Green: net zero emissions
绿色：净零排放

Thriving: Resilient people-centred place
繁荣：一个以人为本的有韧性的地方
Green: net zero emissions

Minimise emissions throughout the project lifecycle and achieve net zero by counteracting any residual emissions in a robust and transparent way.

在社区项目的全生命周期中最小化排放，并以一种稳健和透明的方式抵消任何剩余排放，从而实现净零排放。
Consumption-based Emissions
消费排放

Embodied Emissions
隐含排放

Operational Emissions
运营排放

Resulting from goods and services bought by the people living in the district such as food or clothes, travel.
来自社区人们购买消费的商品和服务，如食物、衣服、旅行

Arise from any construction within the neighborhood, including new construction, retrofits and maintenance, for buildings and infrastructure.
来自社区内所有建设/建造，主要包括建筑和基础设施的新建、改造和维护

Occur continually throughout the lifetime of the neighborhood operation, including building, energy, transport and waste management.
贯穿社区的全生命周期，主要来自建筑、能源、交通和废物管理
Net zero hierarchy | 排放层次

1. 避免排放
   Avoid producing emissions

2. 降低排放
   Reduce emissions produced

3. 转向低碳技术和可再生
   Convert to low carbon technologies and renewables

4. 抵消无法避免的排放
   Compensate unavoidable emissions
Thriving: Resilient people-centred place

繁荣：一个以人为本的有韧性的地方
Meet the essential needs of people at the neighbourhood scale
满足社区范围内居民的基本需求

Support ‘human-scale’ local life which encourages healthy, sustainable lifestyles
支持以人为本的当地生活，鼓励健康、可持续的生活方式

Prepare people, businesses and systems to adapt and prosper no matter the shocks, stresses or climate related impacts
让居民、企业、系统做好准备，无论冲击、压力或气候相关的影响如何，都能适应并繁荣发展
Elements for Neighbourhood Thriving | 促进社区繁荣的要素

- Control the density of community development
- Support mixed function/multi-purpose use
- Rational planning of community road system
- Support active travel
- Optimize the architectural style of the community
- Improve the quantity and quality of public spaces
- Support local jobs and the economy
- Increase local business and festivals
- Optimize community governance
- Improve public participation and collaboration

- 控制社区开发密度
  - 社区容积率不低于1.4
  - 合理控制社区内的总开发量
  - 应优先代表品质的功能地块、公共设施

- 支持混合功能/多用途使用
  - 社区内土地应支持多种用途（居住/商业/办公）
  - 鼓励社区内场地从单一用途转为多样化用途
  - 包括水平方向和垂直方向的多功能混合模式

- 合理规划社区道路系统
  - 社区内部保持适宜步行和骑行的小尺度街区
  - 形成包括多级道路层级的社区路网体系

- 支持主动出行
  - 社区内应支持多种交通方式
  - 社区内应通过路权划分优先支持步行和骑行

- 优化社区建筑风貌
  - 合理控制建筑高度
  - 保护当地地理文化风貌和地标性/特色建筑
  - 为低收入居民提供保障性住房

- 提升公共空间数量和质量
  - 增加社区内的公共空间类型
  - 提升社区内的公共空间占比
  - 优化公共空间的布局及可达性

- 支持本地就业和经济
  - 为本地居民和工作人员提供支持
  - 增加/创造本地绿色就业机会

- 增加本地商业和节庆活动
  - 吸引年轻人和创业者
  - 鼓励社区尽可能多地组织丰富多彩的节庆活动

- 优化社区治理
  - 提升社区本地化服务质量
  - 提升社区本地化服务效率

- 提升公众参与和协作
  - 提升社区凝聚力
  - 促进社区利益相关方多方参与和紧密协作
Ten Modules/Approaches
十大模块
Ten Modules/Approaches | 十大模块

1. Green Buildings & Energy
2. Clean Construction
3. Complete Neighbourhood
4. People centred Mobility
5. Connected place
6. Circular Resources
7. Green & nature-based solutions
8. Green Economy
9. A Place for Everyone
10. Sustainable Lifestyle

Circular Economy

15-minute City

Sharing Economy
Minimise energy demand by improving energy efficiency of buildings, invest in high-efficiency infrastructure, and promote the application of renewable energy to decarbonise energy supply of neighbourhood.

通过提高建筑能效来最大限度地减少建筑的用能需求，并在社区内投资高效的能源基础设施，促进可再生能源的应用，最大程度脱碳社区能源供应。
Provide mix of uses, including amenities, services, and adaptable spaces that can be used by all residents.

通过打造紧凑且功能完整的社区，让居民可以在步行或骑行可达的范围内满足其日常需求，便捷地获得新鲜食品和日用所需、医疗保健、工作空间、教育机会、行政服务、娱乐休闲等关键服务。
Encourage active mobility (walking, cycling and other non-motorized transportation mode) by building well-designed public spaces where people can come together. Encourage zero-emission vehicles and transport sharing schemes.

在绿色繁荣社区中，步行、骑行和其他非机动车出行模式将成为首选。通过调整街道空间优先级，优化街道设计，完善配套设施和服务激发人们主动出行的热情。倡导使用零排放公共交通和车辆共享计划。
Minimise resource use and waste generation, and instil circular economy principles.

在社区全生命周期中，最大程度减少资源的使用，避免浪费和促进循环利用。
Tackle embodied emissions by making the most of existing assets, using material efficiently, and designing and constructing efficiently for the long-term.
Ensure the neighbourhood is well-connected with adjacent areas both physically and digitally by building high-quality public transport network and digital infrastructures.

通过建立完善的公共交通网络和高质量的数字基础设施，保持社区与城市其他地区密切的物理连接和数字连接。
Increase blue and green spaces in neighbourhood to support biodiversity, improve air quality and climate resilience, as well as foster wellbeing.

增加社区的蓝绿自然空间，维护生物多样性，提高空气质量，创造健康环境，增加气候韧性。
Promote long-term economic prosperity and sustainable development of neighbourhood by providing incubating green jobs.

创造和支持社区内的绿色就业机会，促进社区长期经济繁荣和绿色可持续发展。
Provide wider economic, environmental and social benefits for residents and ensure that they are equally shared by everyone during the process of achieving the net-zero target of neighbourhood.

社区在实现绿色目标过程中，能够为居民带来广泛的经济、环境、社会效益——并使得社区内的所有人能够共享。
Encourage residents to choose green, low-carbon and sustainable lifestyles, and to support long-term behaviour change through effective publicity, education and training.

引导和鼓励社区内的居民选择绿色、低碳、可持续的生产生活方式，并通过有效的宣传、教育和培训，支持长期的行为改变。
Thank You!
感谢聆听和关注！

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Park City

Chengdu
第二届C40学生重塑城市全球竞赛

成都·麓湖近零碳社区探索

IT'S TIME FOR COMMUNITY

成都市麓湖社区发展基金会
项目经理/环境创新孵化负责人 杨璐
这是一个新议题！

A New Topic
关注者众多，后疫情更显价值！

More valuable in the post-pandemic
在成都有很多，缺乏系统案例！Many, but lack of systematic cases
找不到适宜社区级的智库!

Can’t find a think tank suitable for the community level
The current situation of near-zero carbon community construction in LuxeLakes

/ 以人为本，规划先行
/ 回归自然，生态造湖
/ 减碳固碳，社区绿色场景
/ 社区善治，可持续运营
以人为本 规划先行

People-oriented, planning first

麓湖生态城
8300余亩 2400余亩
200万方 20余万

“公园、绿地、水网”的景观系统结构
“无边界”水绿城区

规划设计：万华
回归自然 生态造湖 Return to nature, built Luxelakes ecologically

科学研究生态基底，临摹构造“清水型水生态系统”
可持续、水质优良、水景优美，生态功能稳定
减碳固碳 社区绿色场景

Reduce carbon and sequester carbon by creating more community green scenarios

绿色建筑 抵御UHI
本土植物、乔灌草复层，绿色-生态-低碳的室外环境
“低能耗+再循环”建设施工，太阳能灭蚊灯、微喷灌措施
PMV热舒适模型（场景设计维护：万华景观、技术等）
社区善治 可持续运营

Sustainable operations through good community governance

英国田园城市莱奇沃斯、美国“一生之城”利斯顿
“公园社区+社区慈善+利益相关方”共创共建的社区善治运营模式

愿景：永续社区美好生活
Community giving and volunteer development

2019-2022

累计捐赠 1476.17 万元
累计志愿服务 5000 余人次
折合经济价值 400 余万元

2022 年，通过志愿行动减少家庭餐前厨余垃圾 4485.07kg、产生有机肥 1495kg

麓湖社区基金会资助社区公益项目推进人文、机制、环境发展
小结 Brief summary

围绕议题“未来公园社区”，成都和约翰内斯堡有何亮点可以分享？

天府新区麓湖公园社区的居民代表张峰分享了居民如何参与治理以及丰富的社群活动，居民代表朱开军生动地讲述了“我为麓湖种水草”、“垃圾不落地”、“垃圾回收利用”等绿色计划，传递了居民代表参与绿色生活的热情。
C40学生重塑成都麓湖模块

What design can students participate in at Luxelakes?

/ 循环资源
/ 完整社区
/ 以人为本的交通
/ 绿色建筑与能源
C40竞赛麓湖落地模块一

Circular resources
麓湖社区x善淘Buy42慈善商店

孵化共创——社区基金会资助+业主认捐
C40竞赛麓湖落地模块二

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<td>10. 可持续的生活方式</td>
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循环经济

15分钟城市

共享经济

图2-1 绿色繁荣社区的十大模块/十个重要方面

Complete neighbourhood
麓野里・自然屋
社区自然教育基地
C40竞赛麓湖落地模块三

图 2-1 绿色繁荣社区的十大模块 / 十个重要方面
麓湖生态城共享单车
Green buildings & energy
### 四川省首期
**视障儿童户外独立生活营结营**

2022年10月4日至6日，在成都双流区麓湖生态城，一个专为视障儿童设计的独立的秋令营开始了！

### 杜牧
“我寄愁心与明月，随风直到夜郎西。”

#### 照片说明
- 2022年8月18日 22:06
- @梁 Lynda 指点图，如果供电无望，要能带煤球炉取暖
- 2022年8月19日 22:08
- @梁 Lynda 想办法，开小火车
- 2022年8月18日 22:18
- @梁 Lynda 为解决供水，晚上用上夜光手表
- 2022年8月18日 22:19
- @梁 Lynda 又跑电瓶车，接上网线，晚上用上夜光手表，接上电瓶车
- 2022年8月18日 22:20
- @梁 Lynda 小火车出发，接上网线，晚上用上夜光手表，接上电瓶车

### 第六步：利用信息技术协同各个组团和各类“微循环”设施

- 风能
- 太阳能光伏与建筑一体化
- 电池储能
- 储电式移动充电站
- 分布式微电网
- 电动小火车
- 夜光手表
- 夜光手表
- 夜光手表
C 4 0 学 生 重 塑 城 市 竞 赛 · 成 都
Supports for students
开放资源  深度探访  Social surveys and in-depth interviews

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<th>关键会议列席</th>
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Recommendation and cooperation

- 湿地科普教育、保护
- 大学生社区双创基地、创新课程
- 慈善参与社区治理
- 城市生物多样性
- 水环境、水资源、公民科学家
Ah, youth
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Thanks

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