

51st **IFLA WORLD CONGRESS** INTERNATIONAL FEDERATION OF LANDSCAPE ARCHITECTS

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2014 STUDENT LANDSCAPE ARCHITECTURE DESIGN COMPETITION PRIZE WINNERS

FIRST PRIZE IFLA Group Han Prize for Student Landscape Architecture SECOND PRIZE IFLA Zvi Miller Prize	TITLE AUTHOR(S) INSTITUTION TITLE AUTHOR(S)	Prospect Of Rebirth: The Ecological Restoration Project of Yuhua Colliery Qi Li, Huishu Sun, Shuang Zheng and Chen Li College of Arts, Xi'an University of Architecture and Technology, Xi'an, China The Great Wall Yuan Xu, Hui Lyu and Simin Bian Department of Londonna Architecture, School of Architecture, Taiaghua University, Dejijing, China
THIRD PRIZE Bruns Nursery Award for Sustainability	TITLE AUTHOR(S) INSTITUTION	<i>The commUNITy: A Self-Sustained Modular Landscape</i> Feng Lu, Sun Yimeng, Chen Ximing, Deng Jing School of Landscape Architecture, Beijing Forestry University, Beijing, China Graduate School of Architecture, Planning and Preservation, Columbia University, New York, USA
FOURTH PRIZE	TITLE AUTHOR(S) INSTITUTION	<i>Cotton Bay: A Sustainabile Landscape Approach of Optimizing the Cotton's Urban Flow</i> Dong Xuefei, Li Xiaoyi, Li Wanyi School of Landscape Architecture, Beijing Forestry University, Beijing, China
JURY AWARD	TITLE AUTHOR(S) INSTITUTION	<i>Cracking Growth: The Urban Landscape Transformation of Bahrain Gulf</i> Zhang Xinni, Xu Canghai, Chen Ling, Meng Runda School of Landscape Architecture, Beijing Forestry University, Beijing, China
JURY AWARD	TITLE AUTHOR(S) INSTITUTION	<i>Growing Root, Spreading Beach: Sustainable Recovery of Oil Explosion Spot in Jiaozhou Bay</i> Chang Hexing, Zhao Qing, Zhang Iuwei, Hu Qiyu Landscape Architecture Department, School of Architecture, Qingdao Technological University, Qingdao, China
JURY AWARD	TITLE AUTHOR(S) INSTITUTION	<i>Self-Sufficient Urban Fabric</i> Chihiro Hagiwara, Radomalala Ratsimanetrimanana, Ting Kwan Roberta Chu Department of Landscape, University of Sheffield, Sheffield, England, UK

FIRST PRIZE	TITLE	Prospect Of Rebirth: The Ecological Restoration Project of Yuhua Colliery
IFLA Group Han Prize	AUTHOR(S)	Qi Li, Huishu Sun, Shuang Zheng and Chen Li
for Student Landscape	INSTITUTION	College of Arts, Xi'an University of Architecture and Technology, Xi'an, China
Architecture		

The site is located in the northwest of China, which is in Tongchuan Xi'an province, named yuhua colliery.

The whole district combined with four parts, the stack area of coal gangue, the south pit, north pit, and landslide area. We use landscape design method and ecological remediation strategy together, aiming at coming into being a wonderful human settlement finally. In the coal gangue stack area mainly use exploded method, with the self-made landscape device degrade the coal gangue. Finally the south pit and coal gangue stack area have the same landscape result. The water in the north pit can be purified with coal ash. And arundinaceous also can improve the environment. In the landslide area, we use the net device and plant root to degrade the soil. We also have geological museum, this is also a comprehensive reconstruction and utilization.

In the sight of plan, our inspiration comes from leaf vein, the form of road also comes from leaf vein. On the basis of local culture, different region has different function. It divided into 3 parts such as agriculture planting region, recreational areas and herb planting region. The climate in tongchuan is belong to Warm temperate semi-arid continental monsoon climate zone, so we also need to consider more about local climate in order to make sure the combination of the special geological conditions. In this area the mainly trees are locust, ailanthus, Chinese pine, dryland willow and white birch. These trees have the stronger adaptation. Shrubs and cover are sea-buckthom, green bristlegrass and alfalfa.

Under this kind of zoological reconstruction method, we are sure that after several years, this area can be a flourishing landscape result. We achieve the target of the harmony for the human and nature.

JURY NOTES

This is a project dealing with the rehabilitation of the Yuhuan colliery in Tongchuan Xi'an Province of China. The proposal is smart and rich in a sensitive way, and provocative, with clear graphics that communicate the thinking and action to be followed. There is continuity between analysis and design, exhibiting a step by step process and evolution of the design. There is consequently good coherence between the concept and the proposal. The result is a landscape project that is not only technically strong but also holistic. The project team integrates techniques, nature, ecology and water saving solutions for a very strong and convincing project.









Gyana town is on the northeast of Tibetan Plateau at elevation of 3600-3700 meters above sea level. The starting point of the town is a marnyi stone discovered by Gyana living buhdda-I in 1715. In the town center lies the largest marnyi stone mound in the world.

Urbanization began from around 2000, doubling construction land and population in the last decade. The M7.1 Yushu earthquake exacerbated the existing conflicts between man and land. Ritual walk way to Gyana Living Buhdda-I Memorial Hall on the mountain is completely destroyed. Secondary disasters are happening now and then.

The Great Wall plan is proposed to guard the town against mud-rock flows and to reestablish the destroyed ritual walk way. The wall, which is built from ruins and construction wastes of abandoned temporary houses, stands between the debris flow fan and the town. Construction work will provide job opportunities for local citizens and, more importantly, provide knowledge and techniques to help rebuilding their own houses.

The ritual walk path on the top of the wall is heading towards the memorial hall. Worshippers pile up stones along the path. Piece by piece, marnyi stone reinforces the wall structure and strengthens citizens' faith in religion and life.

JURY NOTES

The Great Wall Plan is proposed to guard the town of Gyana in the north east part of the Tibetan plateau from mud-rock flows and to reestablish the destroyed ritual walk way. A strong project with a gentle solution. The project considered a diversity of emergencies: cultural emergency, landslide emergency and safety for the village, and solved these with a simple solution. The problem of the landslide is elegantly and simply proposed to itself be the solution; the problem ultimately became the solution. This project proposed an economical and sustainable solution and construction, and illustrated it clearly and without excessive detail, and the graphics were effective in showing the depth and extent of the emergency and the solution.

THIRD PRIZE	TITLE	The commUNITy: A Self-Sustained Modular Landscape
Bruns Nursery Award for	AUTHOR(S)	Feng Lu, Sun Yimeng, Chen Ximing, Deng Jing
Sustainability	INSTITUTION	School of Landscape Architecture, Beijing Forestry University, Beijing, China
		Graduate School of Architecture, Planning and Preservation, Columbia University, New York, USA

San Cristobal, as a special rural administrative unit of Medellin, is experiencing a rapid urbanization process and population growth. While the City of Medellin has gained a series of awards and reputations by showing its aggressive and innovative urban transformation, San Cristobal is confronted with problems of environmental degradation and social segregation brought by informal settlements and the growing urban density. Due to this background, combining the "thinking and action" aim of this competition, we believe that it is San Cristobal a perfect place to examine and practice our concepts of design as well as our thoughts to the society as a whole from not only a perspective of landscape, but also urbanism.

By identifying a site embodying typical problems of the region, the aim of the proposal is to respond to these problems through a new community model that is adaptable, sustainable and incremental, so that social capital can be reserved and urban fabrics segregated by the ever- growing informal settlements and those context-free high-rises can be remediated. Simultaneously, the components developed from simple unit provide paradigms dealing with specific issues respectively so that these methodologies can be applied and adapted to other sites with similar issues.

The approach is to configure scalar landscape and architectural units, in which of the process it involves government constructed infrastructure, allows self-built practices using local materials, and encourages social engagements improving quality of environment and local lifestyle. Therefore, passions and efforts from individuals are able to be combined with power from upscale organizations in an efficient way to capture the creative thinking and action of local residents.

JURY NOTES

San Cristobal, as a special rural administrative unit of Medellin, Colombia, is experiencing rapid urbanization and population growth, along with environmental degradation and social segregation. The project proposes a new community model that is adaptable, sustainable and incremental. This is a project that is easily implemented in an organic way. It identifies social, economic and environmental problems, and solves them in an integrated manner. The project takes what already exists but understands it in a new way for a truly sustainable solution.

FOURTH PRIZE	TITLE	Cotton Bay: A Sustainabile Landscape Approach of Optimizing the Cotton's Urban Flow
CAAP Merit Award	AUTHOR(S)	Dong Xuefei, Li Xiaoyi, Li Wanyi
	INSTITUTION	School of Landscape Architecture, Beijing Forestry University, Beijing, China

EMERGENCY PROBLEMS

Mumbai in India is one of the world's largest cotton production and cotton fabric output cities. Nowadays, many farmers here choose to apply transgenic cotton in order to increase production and pesticides irrigation convenience to meet the market demands. As this kind of cotton consumes large quantities of pesticides, it ultimately leads to serious land and water pollution. Besides, cotton is a thirsty plant. It needs far more water to grow than many other plants.

In Mumbai, almost 72% of cotton products are discarded directly each year. This is a huge waste of water and severe pollution damage to River Ulhas.

DESIGN STRATEGY

We are planning to collect the abandoned cotton products and transform these to be non woven fabric. This material can be designed as the soil for a water farm, in which cotton can grow. Then we create various spaces with different forms and functions while adding the biodiversity of the river area. And finally, the water farm will be biodegrading in the water as an environmental way to end the lifetime of this material. Based on this, we propose a city green infrastructure and intend to make cotton resurgence possible.

JURY NOTES

Mumbai in India is one of the world's largest cotton production and cotton fabric output cities. This project had a deep and good understanding of the emergency. The problem that was identified (production of cotton) is very important since it requires a great deal of water for its production, produces a considerable amount of waste, and is therefore a problem worldwide. The team proposed what the jury believed to be a rigid solution needing more landscape architecture and less structure, however, the result is provocative and suggests the exploration of new alternative solutions, and has much potential for consideration.