



光伏治沙 奔向碳中和的亿利库布其

Photovoltaic sand control leads Elyon Kubuqi to carbon neutrality

赵晋灵

Jinling Zhao

荒漠化危害 Desertification hazards



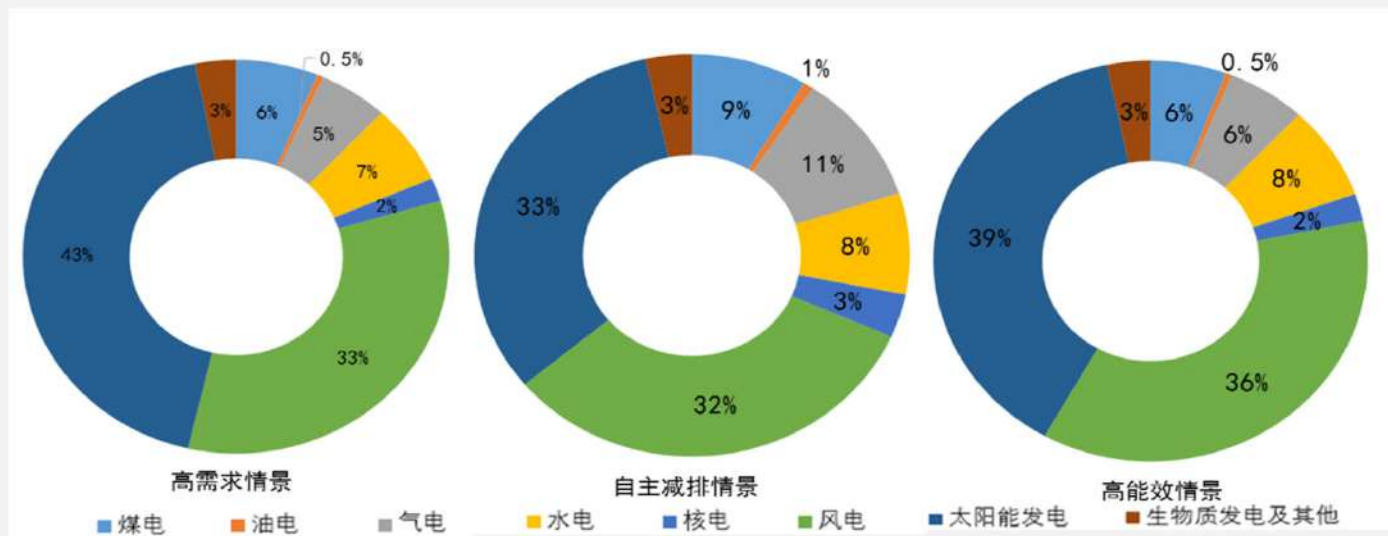
中国新能源发展趋势预测 China's new energy development trend forecast

国家电网预测2050年中国能源结构

State Grid predicts China's energy structure in 2050;

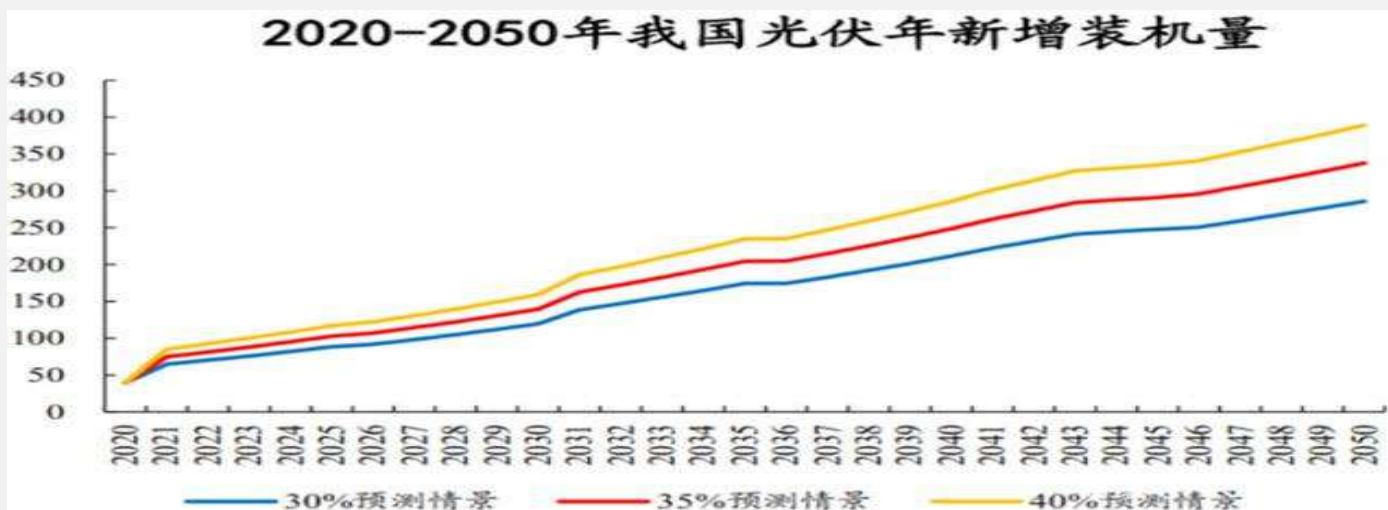
风电和光伏发电占比超过65%

Wind power and photovoltaic power generation exceeds 65%.



中国光伏年新增装机预测

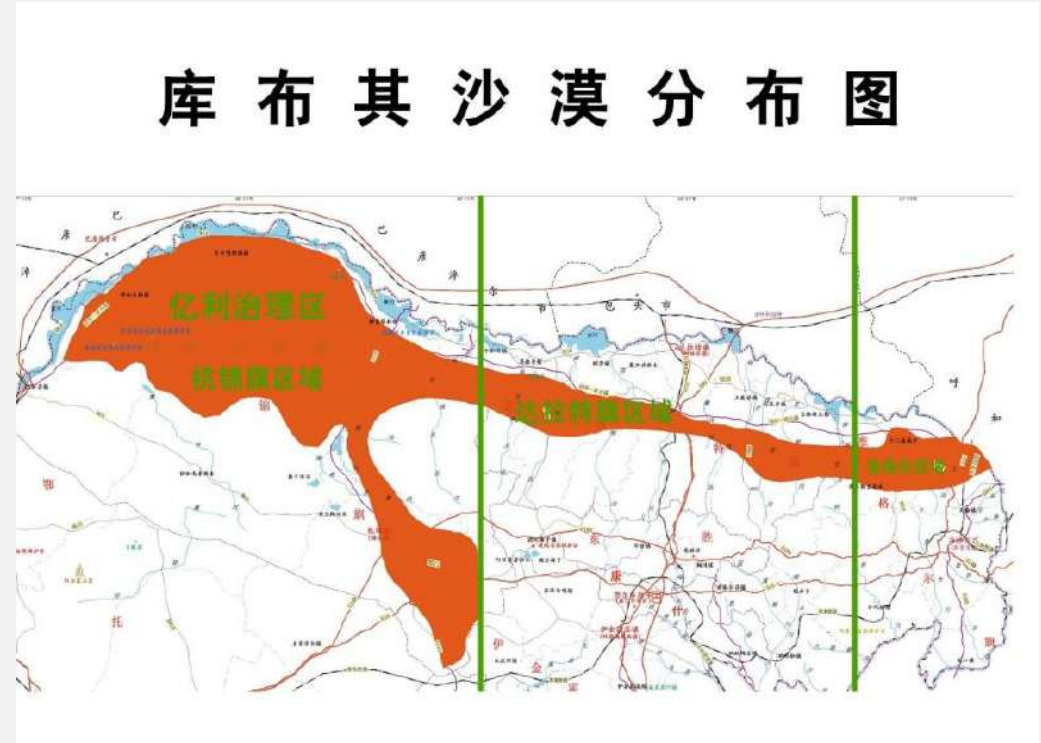
China's new PV installed capacity forecast



库布其沙漠 Introduction to Kubuqi desert



中国库布其沙漠位置
Location of Kubuqi Desert in China



库布其沙漠分布图
Kubuqi Desert Distribution Map

曾经库布其沙漠 The former Kubuqi desert



牧民出行靠骆驼 Herders travelling by camels



牧区儿童无法上学 Children in Kubuqi cannot go to school



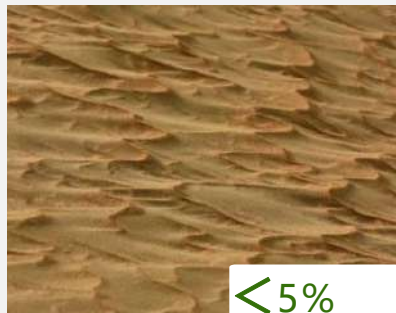
牧区百姓住处 People's houses in Kubuqi desert



沙漠侵蚀黄河 Erosion of the Yellow River by Kubuqi desert

库布其巨变 Great changes of Kubuqi desert

1988



Vegetation coverage



Biodiversity



Annual number of sandstorms



Carbon sequestration

2020



库布其荣誉 Kubuqi honors



Liangshan theoretical innovation practice base in China



"Global Desert Control Leader" Award by the UNs

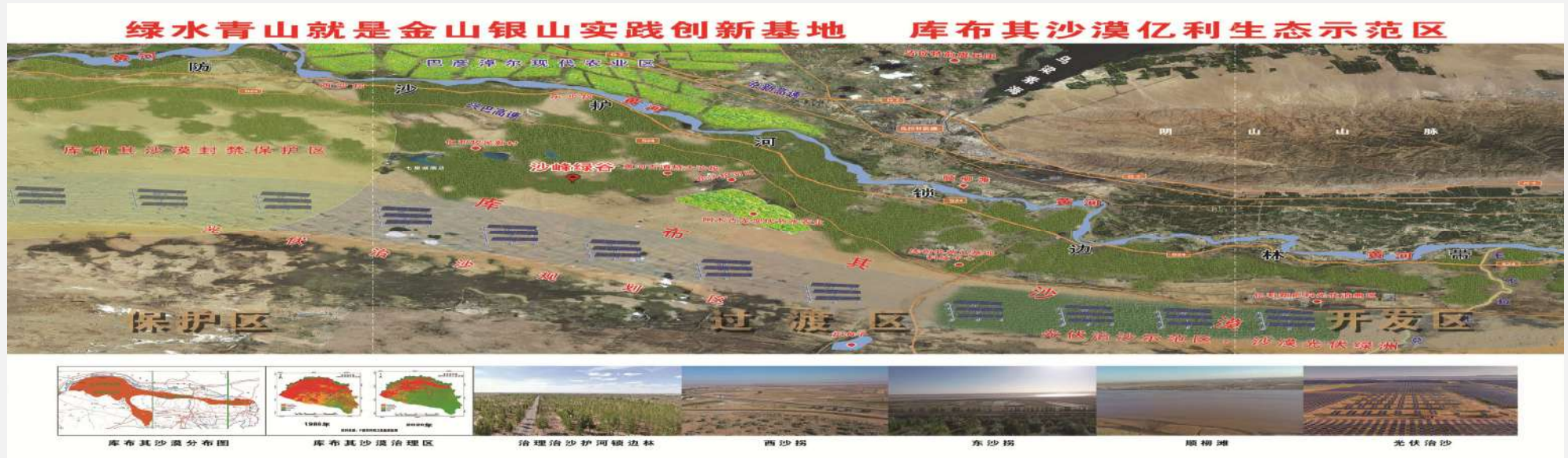


Lifetime Achievement Award for Guardian of the Earth by UNs



Global Ecological Economy Demonstration Zone

库布其生态治理-模式创新 Kubuqi ecological governance-Model innovation



Ecological industrialization of desertification control

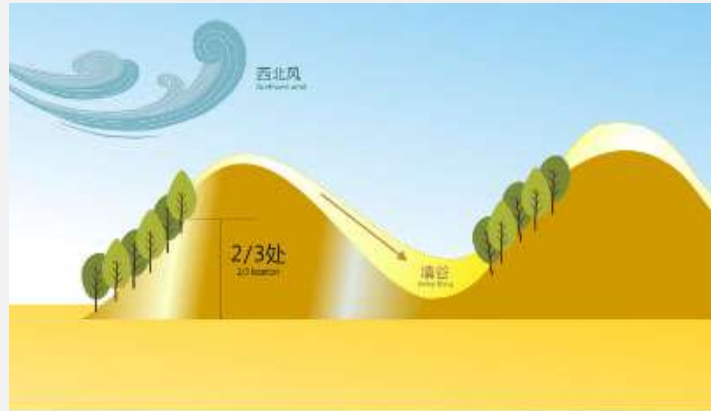


Diversified investment of desertification control

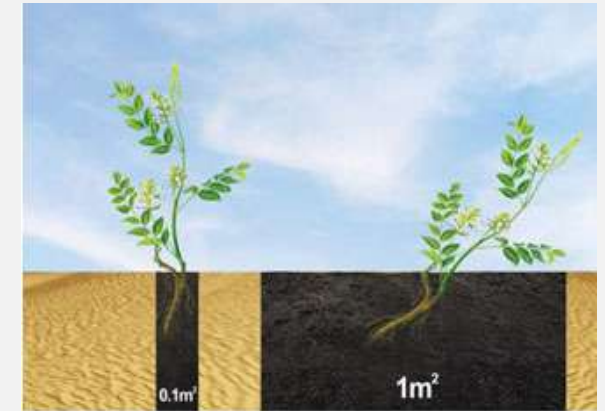
库布其生态治理-技术创新 Kubuqi ecological governance-Tech innovation



Minimally Invasive Airflow Tree Planting



Tree planting technique on windward slope



Licorice planting technology



Germplasm resources cultivation technology

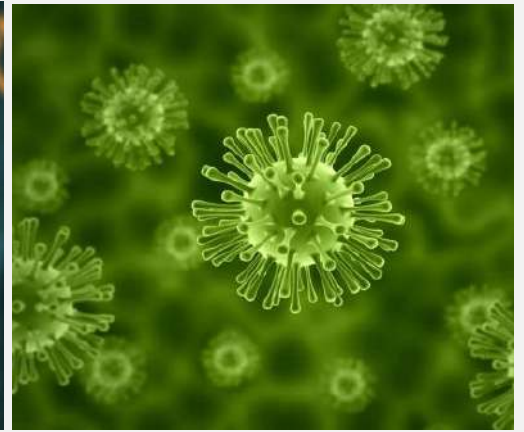
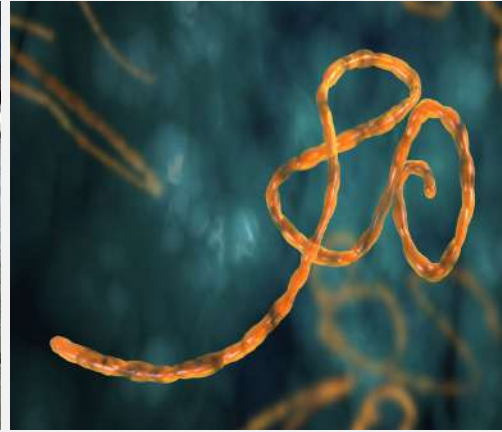


Soil improvement technology



Intelligent tree planting robot

生物多样性保护-种质资源库 Biodiversity conservation-Germplasm bank



生物多样性保护-生物多样性科技园 Biodiversity conservation-Biodiversity park



生物多样性保护-生态系统 Biodiversity conservation-Ecosystem



Desert ecosystem



Plateau ecosystem



Wetland ecosystem

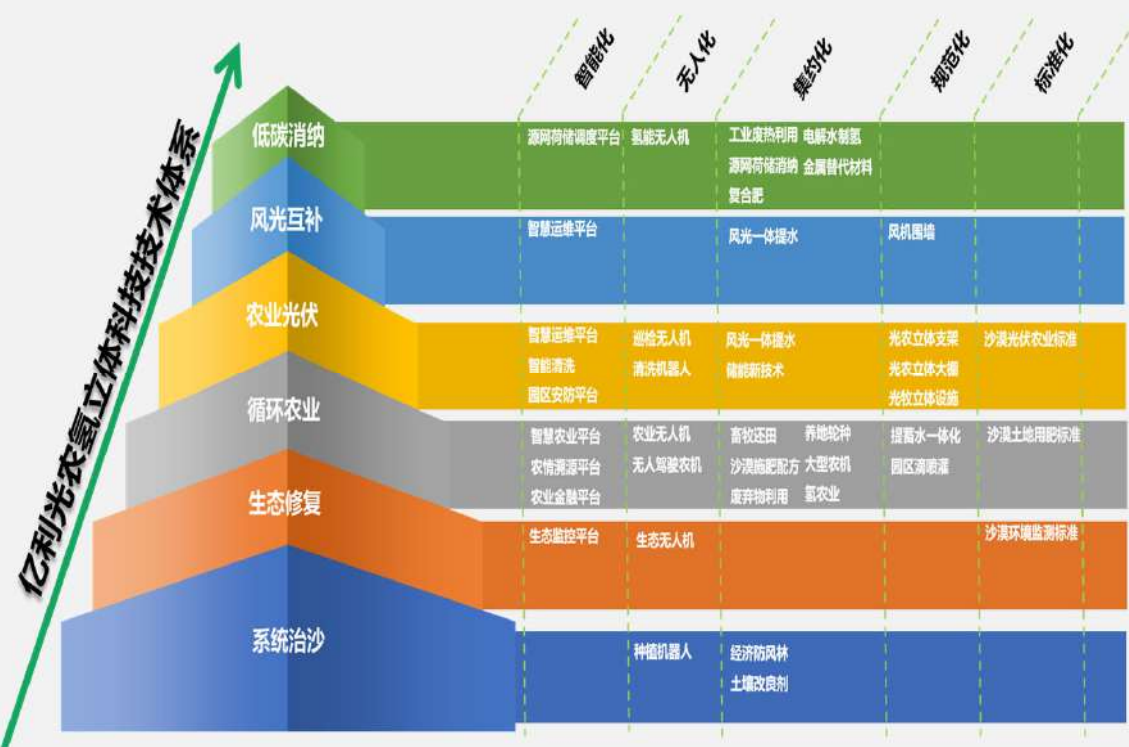


Forest ecosystem

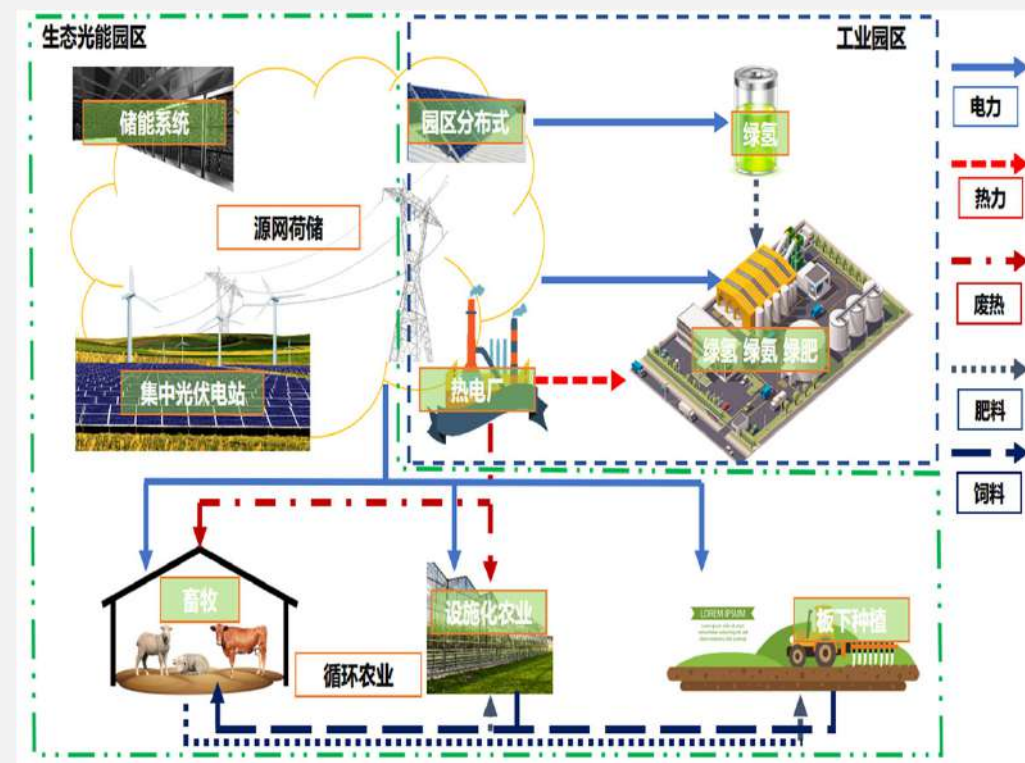
库布其光伏治沙产业模式 Kubeqi photovoltaic desert control industry model



库布其光伏治沙产业模式 Kubuqi photovoltaic desert control industry model



湿地生态系统



森林生态系统

库布其模式助力实现双碳目标 Kubeqi model helps achieve dual carbon goals



中国西藏那曲 Nagqu Tibet in China

Biodiversity conservation - dignity of birds

In Nagqu, there is a very strange phenomenon, birds and pikas live together. Some experts believe that there is an interdependent "symbiotic" ecological relationship between birds and pikas. By comparing the behavior of birds before and after planting trees in the same area, we found that there should be no symbiotic relationship. Because with trees, birds will nest and breed in the tree, no longer mixed with pikas. Bird regains the dignity of being a bird finally.



2016 Bird habitat



2020 Bird habitat

国际推广 International promotion



1973 Aral Sea



2010 Aral Sea



Ecological restoration of the Aral Sea in Uzbekistan



Saudi Desert Management



Pakistan Forest Tsunami Project



THANKS

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