Mountain Futures 山地未来









Jianchu Xu, PhD
Principal Scientist, World Agroforestry Centre
Distinguished Professor, Kunming Institute of Botany, Chinese Academy of Sciences



Different Mountains, Shared Dream 不同的山地, 共同的梦想

Dr. Andreas Heinimann, Associate Director, Regional Cooperation

Centre for Development and Environment (CDE) University of Bern





Mountains are negative assets or positive assets? 山地是我们人类的负资产还是正资产?



POSSIBLE TEMPERATURE CONTROL INVOLVING BIOTA Coccolithophores use carbonates to form CO2 pumped into soil AND PELLASUD on lockedup as **VOLCANO** by micro-organisms accelerates rate of rock weathering Rocks (Limestone etc) formed by accumulation of dead coccolithophores







The second nature: Anthropocene

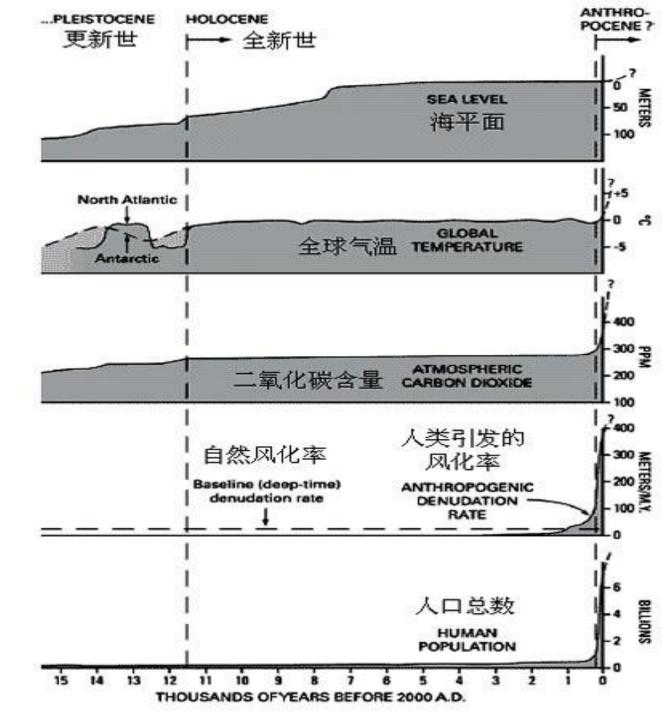
1610 : Christopher Columbus discovered new world

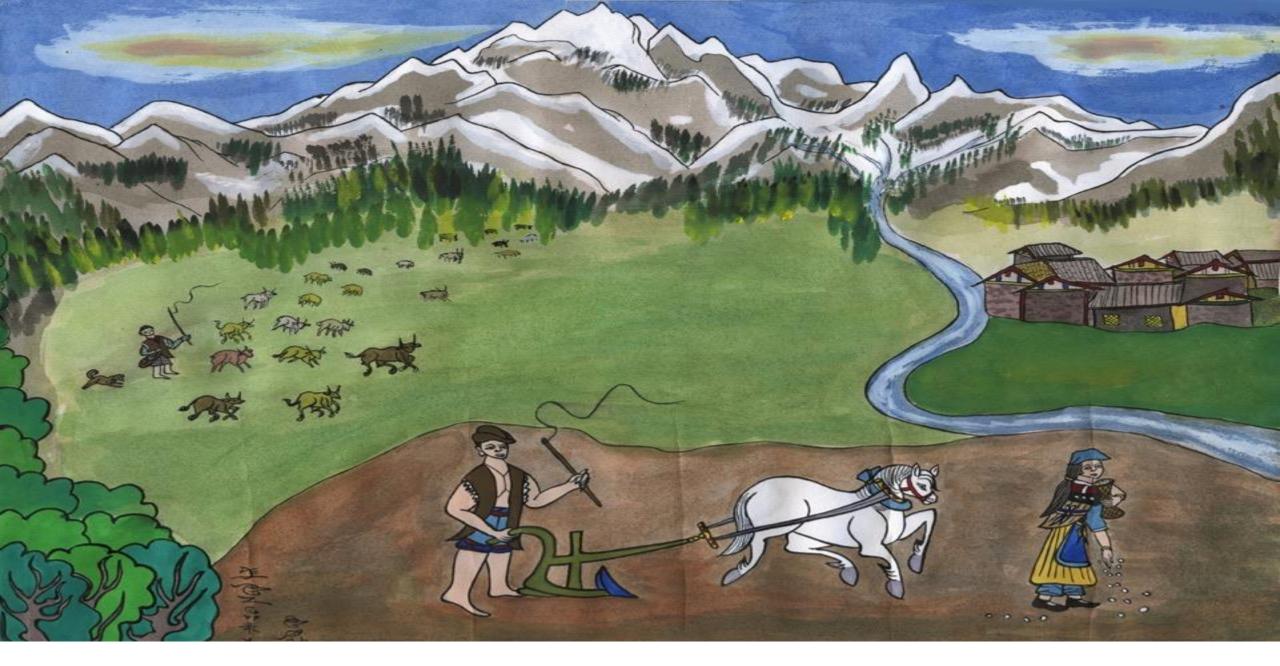
1784: James Watt invested steam

engine

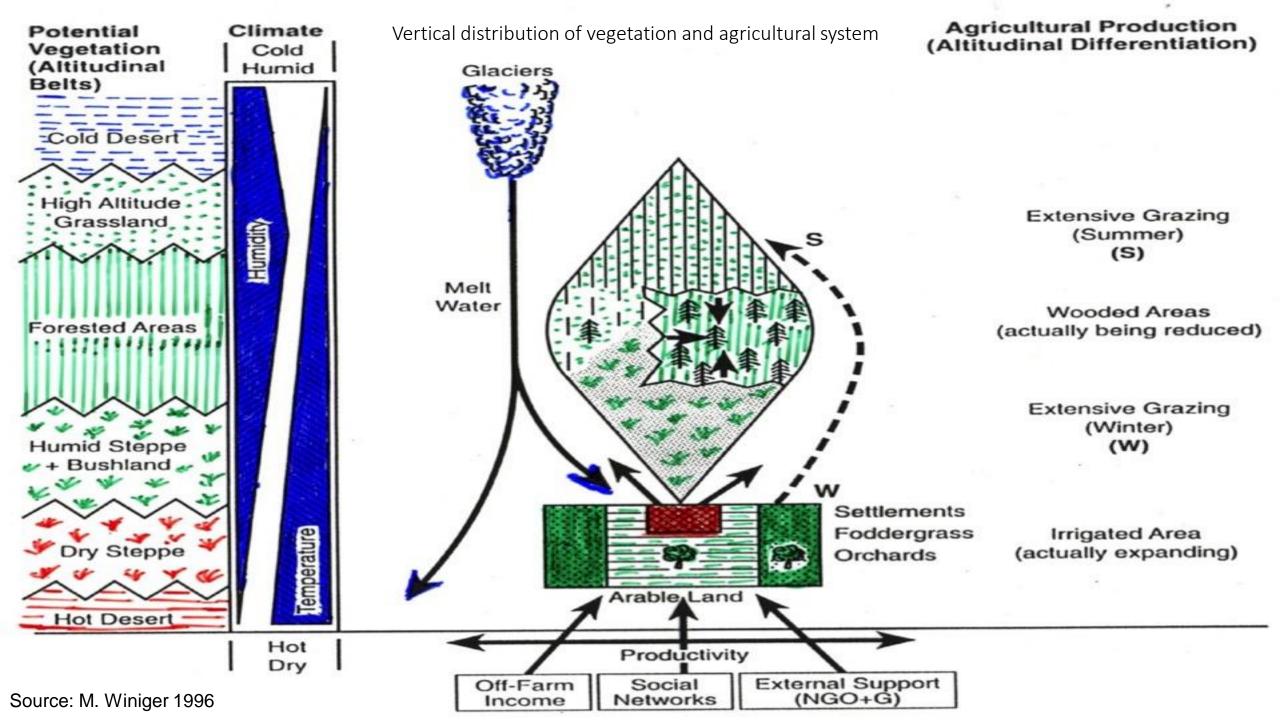
1945: Nuclear weapon, World War II

1964: Green Revolution>>CGIAR





MOUNTAIN AS THE THIRD SPACE, IT HAS MULTIPLE FACES





Our Footprint 我们的足迹(2016 – 2018)

2016

Inception "Seeds of Change"

启动:提出"变革的种子"慨念

First Mountain Futures Flagship Conference in Kunming, China 第一届山地未来会议在昆明举行

2017

Integration with Future Earth program of research in global sustainability 与"未来地球"的全球土地计划整合成立:山地未来的土地系统

2018

Honghe Innovation Center for Mountain Futures 红河谷山地未来中心

Second Mountain Futures conference, Honghe-Kunming 第二届山地未来会议,红河-昆明

Our Core Values 核心价值观



Human – Knowledge 人与知识



Human – Nature 人与自然



Human – Human 人与人



Integrating science, technology and traditional knowledge 融合科学、技术与传统知识

Optimizing natural resources in mountainscapes 优化山境的自然资源

Promoting a brighter future livelihood in the mountains 倡导光明未来生计



Our Mission 我们的使命

To create innovative solutions through research and traditional knowledge that secure a sustainable future for mountains and their people 为山地、为人民,创造与分享可持续山地未 来的创新方案

Our Focus Areas (我们的重点领域)





Create a shared vision in a fractured world through participatory processes and intercultural dialogue

通过参与过程,在破碎的世界里创建共同的愿景。



Improve food security by applying socially acceptable and cost effective management methods

采用社会认可与 经济可行的 管理方案 保障食品安全。



Enable smart farming through new technologies and traditional experience

融合传统知识与新技术,实现智能、惠民与可持续农业。



Develop innovative systems to recognize climate trends

开发创新体系, 识别与适应山地气候 变化趋势。

Honghe Innovative Center 红河山地未来中心



200 hectares of land use was granted by the Chinese Government to build an agricultural **research village** to support a network of trained individuals from industries, educational institutions, and local villages **in best practices** for environmental and financial sustainability.



Research 研究





Education 教育



Designated Land for Mountain Futures 红河县政府划拨山地未来用





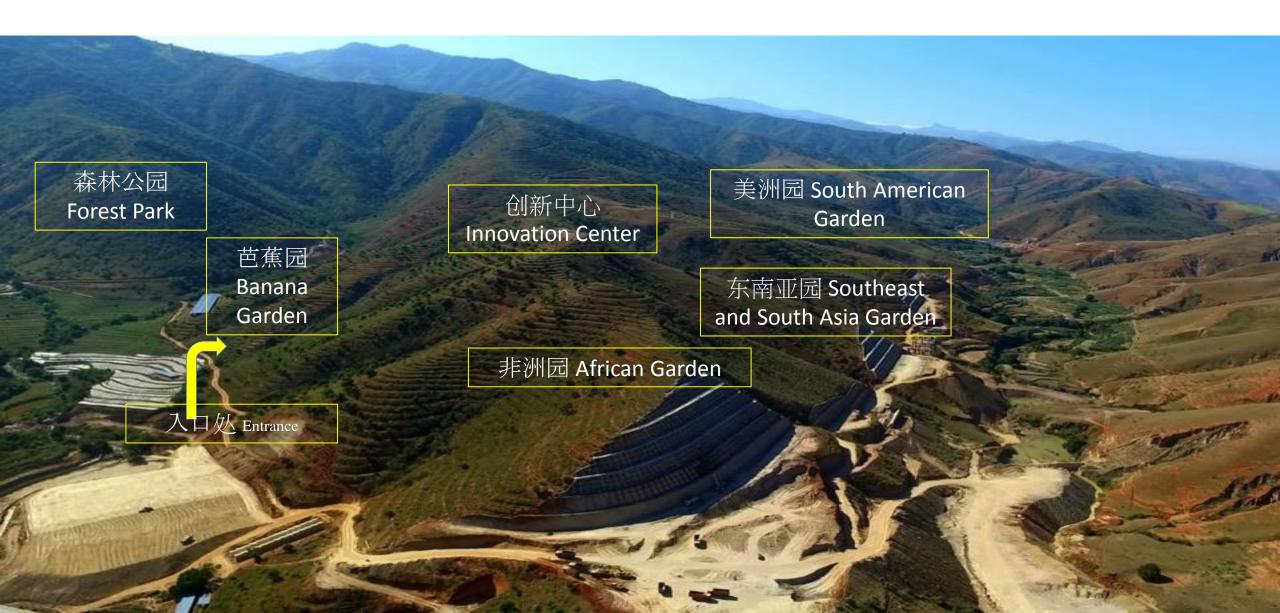






山地未来示范基地三维位置图

3-D for Mountain Futures Demonstration Site





Our bold Goals for 2025 我们宏伟的目标



Create 1 0 global significant innovative solutions

创造100个全球意义的创新方案

Impact 1 million hectares of mountainscapes

影响一百万公顷的山境

Impact 5 million mountain people

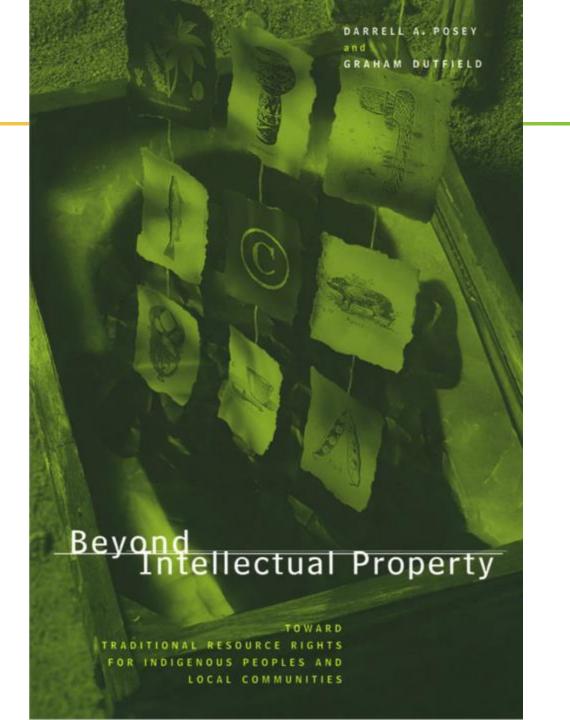
受益5百万山民

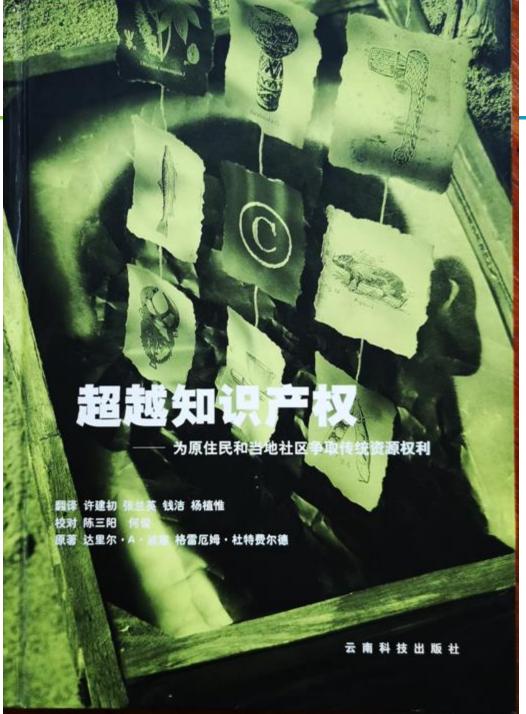
创新科技 Innovative Technology















Mountain Mango





