

项目背景

小陇山位于甘肃省东南部，秦岭山脉西段，北跨清渭、南携嘉陵，地处我国南北自然地理分界线，是亚热带湿润气候区和暖温带的过渡带。小陇山地区由于其独特的地理位置，蕴有南北兼备的各种野生动植物资源，动植物种类丰富。小陇山地区农林交错，人口密集，大部分农户收入来源单一，仅靠农林业维持基本生计，经济收入水平较低。

小陇山地区蕴藏有较为丰富的矿产资源，目前已发现了多处铜、金矿藏。矿山过度开采破坏了地表植被，也破坏了当地动物、微生物等的栖息地，形成了寸草不生的裸岩，不仅直接导致生物多样性急剧下降，也为

当地爆发山洪、泥石流和滑坡等自然灾害埋下隐患。同时，本地区森林绝大多数为天然次生林，多年来缺乏合理经营措施，造成森林结构单一、生物多样性程度低、森林土壤酸化板结等问题，而当地采矿业的过度发展和人为破坏，更进一步降低了森林健康水平，不仅破坏了当地社区的生态环境，更影响了社区居民的生计收入。

因此，本项目计划以甘肃省陇南长江上游地区为例，探索矿山退化地区林业社区可持续发展和居民生计改善模式，为中国乃至世界同类地区建立技术示范。



项目名称

甘肃陇南长江上游矿山退化土地恢复和社区发展示范项目

项目地点

甘肃省陇南市徽县麻沿河乡糜岭村

项目周期

2012年1月1日–2013年12月31日

项目目标

- 提高退化矿山土地植被覆盖，改善区域生态环境；
- 改善森林质量和功能，优化森林结构，提高森林生物多样性，提升森林健康水平；
- 优化当地种植结构，扩大社区收入来源，改善社区生计；
- 改善社区居民的环保意识和自我发展能力。

项目活动

- 参与式社区发展规划；
- 退化矿山植被恢复；
- 天然次生林近自然化经营；
- 林下中药材种植；
- 社区居民能力建设活动，涵盖：农林复合经营、近自然森林经营、环保意识、健康知识等领域。



项目产出

- 在社区土地退化和社会经济基线调查基础上，完成参与式社区发展规划，明确社区发展方向和重点；



- 天然次生林近自然化改造1000亩，优化森林树种、年龄结构，恢复森林生物多样性，改善森林土壤肥力状况，提高森林健康水平；



- 开展1000人次社区居民能力建设活动，社区居民应对土地退化和自我发展的能力得到明显提升，环保意识得到显著改善，改变目前单纯依靠采矿业的现状，有效改善社区生计。



联合国开发计划署

联合国开发计划署是联合国从事发展的全球网络，倡导变革并为各国提供知识、经验和资源，帮助人民创造更美好的生活。联合国开发计划署在177个国家开展发展援助，通过与这些国家的合作，帮助各国应对全球和各国国内面临的发展挑战。联合国开发计划署与其广泛的合作伙伴一起帮助各国进行自身的能力建设。

在中国，联合国开发计划署致力于促进人类发展，赋予性别平等的权利，共同创造更美好的生活。作为联合国的发展机构，联合国开发计划署利用其丰富的国际经验，帮助中国寻求应对发展挑战的解决之道。联合国开发计划署在中国的主要重点工作是：减少贫困、包容性发展，法治和管理、能源，环境和气候变化。

全球环境基金小额赠款计划

作为全球环境基金资助项目的组成部分之一，小额贷款计划成立于1992年，由联合国开发计划署负责实施，联合国项目管理办公室负责执行。小额赠款计划直接向非政府组织和社区组织提供资金和技术，支持他们保护盒恢复自然，同时提高人们福祉和生计的活动。小额赠款计划支持的优先领域为：保护生物多样性、减缓气候变化、保护国际水域、防止土地退化和消除持久性有机污染物。目前，这个计划已经在全球130多个国家支持14000多个项目。

天水小陇山自然与环境保护协会

甘肃省天水小陇山自然与环境保护协会成立于2007年4月25日。协会依据国家有关法律法规和联合国公约，开展自然资源 and 环境保护活动，进行小陇山地区自然资源调查和研究，制定当地自然资源保护的长远规划及行动计划，建立环境和自然保护志愿者平台，提高区域公众环保意识，在生态环境和自然资源得到有效保护的前提下，实现当地社会、经济、自然和文化的可持续发展。

- 协会成立至今，已开展的项目有：
- 小陇山地区主要珍稀物种宣传活动；
- 小陇山环境和自然保护宣传教育活动；
- 参与式森林景观恢复培训项目；
- 中日小渊基金“甘肃小陇山长江、黄河上游地区以社区为基础的森林保护经营和生计发展”项目。



天水小陇山自然与环境保护协会
The Institution of Nature and Environment Xiaolongshan

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BACKGROUND

As part of western Qinlin Mountains, Xiaolongshan Mountain is located in the southeast of Gansu Province. It crosses Qing River & Wei River in the north and Jialing River in the south. The mountain is on the geographical line which divides China's south and north, and is within the transition zone between the subtropical humid climate region and warm temperate zone. Due



to the unique geological location, it is home to an abundance of wildlife which appears both in north and south of China, with a wealth of flora and fauna species. In the populous Xiaolongshan region, forestry and agriculture dominate. Most

households make their living just from forestry and agriculture, which provide them limited incomes.

Xiaolongshan region is rich in mineral resources. Currently, many copper and gold deposits have been discovered. Over-exploitation of mines has destroyed ground vegetation and habitats of local animals, microbes and the like, leading to barren bare rocks, significant decline in biodiversity, and risks of natural disasters, such as

torrential floods and debris flows. Meanwhile, as most of local forests are of natural secondary, lack of appropriate management over the years has caused single forest structure, lower biodiversity, soil acidification

and sealing, etc. Over-development of local mining as well as anthropogenic factors have added to forest ill-health, which has destroyed local communities' ecological environments and reduced residents' incomes.

This project will thus take upper reaches of Yangtze River in Longnan city of Gansu province as an example, to explore models for sustainable development of forestry communities and improvement of residents' livelihood, and to provide technical demonstration for similar areas in China and the world as well.



PROJECT TITLE

Demo Project of Community Development and Degraded Mine Land Rehabilitation in Upstream of the Yangze River in LongNan Gansu Province

PROJECT LOCATION

Miling Village, Mayanhe Township, Hui County, Longnan City, Gansu Province

PROJECT DURATION

Jan 1st, 2012- Dec 31st, 2013

PROJECT OBJECTIVES

- Increase vegetation coverage of degraded mine land and improve local ecological environments;
- Improve forest quality and function, optimize forest structure, increase forest biodiversity and enhance forest health;
- Optimize local planting structure, broaden communities' income sources and improve their livelihood options;
- Enhance residents' environmental awareness and self-development capacities.

PROJECT ACTIVITIES

- Participatory community development planning;
- Rehabilitation for degraded mines;
- Close-to-nature management of natural secondary forests;
- Underforest planting of Chinese medicinal materials
- Community residents' capacity building, including agro-forestry management, close-to-nature forest management, environmental awareness, health knowledge and other areas.



PROJECT OUTPUTS

- Finish participatory community development planning and specify development direction & priorities, based on baseline assessment of land degradation and socio-economic conditions;



- Afforest 300 mu in mine land, increase biodiversity of degraded mine land, and reduce risks of geological disasters, such as landslides and debris flows;



- Transform 1000mu natural secondary forests into close-to-nature forests, optimize forest species and age structure, restore forest bio-diversity, improve forest soil fertility and enhance forest health;



- Plant 100 mu of underwood Chinese medicinal materials, increase woodland productivity, optimize local planting structure, increase communities' income recourses and improve community livelihood;



- Conduct 1000 man-time capacity building for community residents, significantly enhance their capacities of self-development and of addressing land degradation, strengthen their environmental awareness, change the mining-dominating situation and effectively improve community livelihood.



United Nations Development Programme(UNDP)

UNDP is the UN's global development network, advocating for change and connecting countries to knowledge, experience and resources to help people build a better life. We are on the ground in 177 countries, working with them on their own solutions to global and national development challenges. As they develop local capacity, they draw on the people of UNDP and our wide range of partners.

In China, UNDP fosters human development to empower women and men to build better lives. As the UN's development network, UNDP draws on a world of experience to assist China in developing its own solutions to the country's development challenges. UNDP's main focus areas in China are: poverty reduction, inclusive growth, rule of law, governance, energy, environment and climate change.

The Global Environment Facility (GEF) Small Grants Programme (SGP)

As a corporate programme funded by the Global Environment Facility (GEF), Small Grants Programme was established in 1992, implemented by the United Nations Development Programme (UNDP) on behalf of the GEF partnership, and executed by the United Nations Office for Project Services (UNOPS). SGP channels financial and technical support directly to NGOs and CBOs for activities that conserve and restore the environment while enhancing people's well-being and livelihoods. SGP supports activities in these priorities – biodiversity conservation, abatement of climate change, protection of international waters, prevention of land degradation and elimination of persistent organic pollutants. With presence in more than 130 countries, SGP has awarded more than 14,000 grants worldwide.

The Institute of Nature and Environment Xiaolongshan(INEX)

Institute of Nature and Environment Xiaolongshan (INEX) was founded on April 25th, 2007. Based on relevant national laws & regulations and United Nations Convention, INEX is designed to protect natural resources and environments, investigate and analyze natural resources in Xiaolongshan region, formulate long-term planning and action plans for protection of local natural resources, establish platforms for nature & environment protection volunteers, enhance general public's environmental awareness, and achieve sustainable development of local society, economy, nature and culture, whilst protecting ecological environment and natural resources. Since its foundation, INEX has conducted following activities/projects

- Dissemination of major rare species in Xiaolingshan region;
- Dissemination and education on environment and natural protection in Xiaolongshan Region;
- Training on participatory forest landscape restoration;
- China-Japanese Obuchi Fund "community based forest conservation management and livelihood development in the upper reaches of Yangtze River and Yellow River in Xiaolongshan Mountain of Ganshu Province"

联合国开发计划署 全球环境基金小额赠款 甘肃陇南长江上游矿山退化 土地恢复和社区发展示范项目

The Global Environment Facility/Small Grants Program
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