项目背景

荒漠化是世界性的生态环境问题,在气候变化的全球背景下,荒漠化对内蒙古东部地区的影响也 更加直接而深远。而日益黑劣的环境、与劳动不成正比的低微的人、正存不断刺裂着这十批和生活存 汶土地上的人。

内蒙古通行市位于内蒙古自治区在部、批外业体42°15′-45°41′。在经119°15′-123°43°之间。属 专业和线业地区的交汇外。 南亚均为丘陵山地、中部为西辽河流域沙质油和平原、占全市总面积的 70.7%。 大部分区域分布兼起伏不平的沙丘和沙地。海拔客度200~400m。通过市屋曲型的坐于显大 肤性承风气候。在平均除水量350-400mm。蒸发量易除水量的5倍左右,由于连在干旱。全市境内河 流常年断流,70多座中小型水库干涸,局部地下水位下降,水资源匮乏。

科尔沁沙地是中国面积最大的沙地,也是荒漠化最严重的地区之一,通辽沙地而积4086万亩、分 别占总土地面积和利尔达沙地面积的45.4%和52.7%。 最利尔达沙地的主体地区,但是与之相应的知 是通过现有人口约310万,是内蒙古第二大人口城市、约占内蒙古总人口的15%。而内蒙古第一大人 口城市赤條也与之毗邻。

由于多风干燥的气候和不合理的土地利用。通订地 区的土地普遍面临着荒漠化的威胁。尤其对农民的生产 生活影响巨大,微薄的农作物收入使得农民不得不选择 **姜硝士曼的姓名** 但是姓名的过度效效又会使得生水环 培进一步試验区 苍道化加剧 形成了一个恶性循环 用此在农村通过农林管会经营模式的构建 提升当场針 区可结结土地管理的音识和能力 同时俱导域市局民关 注管道化 鼓励安白和城市早早平取宝压行动 形成会 力,才能更持久地遏制土地荒漠化,恢复沙地生态环境。







项目区位于内蒙古通行市祭古斯台 镇图古日格行政村,该村分为两个自然 村、布图古日格和西图古日格。项目林 **#位于在图古日格村。图古日格行政** 村全村在册人口667人。 车图古日格为 340人。村星绝大名数为蒙古族。在图 古日格村井有土地35000亩、其中耕地 约有3000亩、盆中林州(包括项目林州) 3000名官、其他土地由教场和沙伊闲置 **州构成。全村十州大部分已经管道化**或 存在荒漠化风险。

而你问题







菅港化严重, 植被覆盖惠任。 讨度放牧蚊普遍



造林护林技术落后, 保护生 杰奇识涉贿, 经济收入较低

项目目标

- 1. 探索适合本地的林农发展模式,改善项目区的普遍化现状
- 2. 提高农民的环境新识和相应的技术能力 3、加深城市居民对低碳生活方式和荒漠化问题的认识
- 4、强化项目运作的规范性和科学性



项目内容

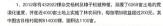
活动内容

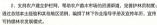
- ·帮助农户开展项目林地规划,讨论并选择适合本土的树种以及种植方法。 种植防风固沙林
- 宣传可持续的造林护林知识,及编撰林下作业指导手册
- ·鼓励农户尝试林下间种
- 访问项目参与农户,支持农户完善林地后期维护
- 在上海地区开展多次主题宣讲会,传播低碳意识

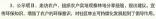
项目成果

- 组织城市志愿者去内蒙古进行多次植树活动
- 邀请林业专家现场的考察,提供专业的评估和意见
- 定期实地观测林地,形成了常规化林地生长报告
- 秋季组织农户对林地进行了人面积抽样测量,并形成林地年度报告









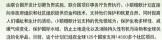


5、邀请美国传勒冈州立大学的林业专家Robin Rose教授参与指导了林地测 量、观察、评估工作、并提供一份技术性的报告、评估项目进展、针对存在的问 题进行探讨和建议。从4月至11月对项目林地共进行了10次常规观测和1次全面 林地测量工作,形成常规林地生长报告3份,林地年度报告1份,对项目林地的情 况和存在问题进行记录,成为项目后续管理和改进的重要依据。

项目机构

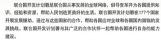


全球环境基金小额赠款计划 作为全球环境基金资助项目的组成部分之一。小额赋款计划成立于1992年。





联合国开发计划署



在中国、联合国开发计划器致力于促进人类发展、髋予性别平衡的权利、共 同创造更单好的生活。作为联合国的发展机构、联合国开发计划器利用其丰富的 国际经验、帮助中国寻求应对发展排战的解决之道。联合国开发计划署在中国的 主要重点工作品。减少贫困、何容性发展、法治和管理、能源、环境和气候变化。





上海根与芽青少年活动中心百万植树计划始于2007年,致力于唤起大众环 保意识、号召个人参与行动,以减少对自然环境的负面影响。该项目通过在内蒙 古种植树木,为个人和组织提供了抵御全球变暖的机会,为当地居民和社会发展 建立一片可靠的防护屏障。同时,项目的各个环节都能够帮助当地居民从中获益, 兼顾了生态与人道主义救助的双重使命。

上海根与芽计划于2012年顺利完成在内蒙古沙化地区种植1,000,000棵树木 的目标,比预期提前两年。种植树种包括杂交杨树、文冠果、榛子松等。全职林 业技术管理团队长期驻守当地,与林农密切合作,确保树木的正确种植和养护, 并通过一系列的监测和调查,切实维护项目林地的生长,保证林地的生态和经济 效益。从2013年起項目将继续向着第二个100万棵树努力。



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全球环境基金小额赠款计划 Global Environment Facility Small Grants Programme

—内蒙古通辽市努古斯台镇图古日格村植树项目 Tree planting project in Tugurige Village, Nugusital Town, Tongliao Municipality, Inner Mongolia, China









Project Background

Desertification is currently one of the largest global ecological problems. With the progression of climate change, the devastation of desertification in eastern Inner Mongolia is becoming much worse. Both the harsh environment and low income in the town are threatening the land and the local residents.

Tonglian Municipality is located in the east of Inner Mongolia, in the area between N 42°15′-45°41′ and E 119°15′-123°43′, at the junction of northeast and northern China. The area's landscape is very hilly in the north and southern parts, with sandy and loose sediment in the middle which has been generated by West Liao River. This river comprises approximately 70.7% of the total area of this municipality. The rest of the area's landmass is mainly rolling early during and candy land. Altitudes here yary between 200-d00m, and the climate in Topolian is classified as semi-arid continental monsoon, with an average rainfall of 350-400mm. The evaporation volume is approximately five times the amount of their rainfall, and because of this continuous dryness, the rivers in the area are often cut-off from sufficient water supply, and over seventy reservoirs are in danger or have had problems of running dry.

The Kornin Sandy Lands are the largest sandy lands in China, and also one of the areas most effected by desertification. Tongliao encompasses a great portion of the Korajin Sandy Lands, with 4086 Mu inside its borders. This sandy area is close to 45.4% of the total size of the town and 52.7% of the total size of the Korajin Sandy Lands. Tongliao's population is 3.1 million, 15% of Inner Mongolia's total population, making it the second most populated city in Inner Mongolia.

Due to the dry, windy climate, and overutilization of the land, the desertification process in this area has accelerated, and the dense population further impacts the problem. Both the produce yields and income generated from these depleted lands are so low that it forces the local residents to raise livestock on a large scale to compensate. Unfortunately, the over-grazing from the animals further destroys the eco-system and intensifies desertification creating a vicious cycle. One of the solutions is to plant trees in the village as part of an economic agroforestry model, which addresses both issues at once. By doing this, awareness for sustainability and the capacity and to utilize and manage the land will simultaneously be increased. Meanwhile, the model encourages and helps urbai residents learn about the seriousness of desertification, and to take action in assisting those suffer from it. With a holistic effort, the problems of desertification will be dealt with more roundly and completely, and the healthy ecosystem of the Korqin Sandy Land will be restored.



Project Location



The project has been based in Tugurige Village, Nugusitai Town, Tongliag Municipality Inner Mongolia. This village includes two settlements: Fast Tugurine and West Tugurine The project's planting site is close to East Tugurine The total population of this village is 667 people; among them, 340 live in East Tugurige, Most of the residents here are Mongolian. There are 2,333 hectares of land in East Tugurige: of this, about 200 hectares is cultivated land, 200 hectares is forest land, and the rest is pastures and idle sandy lands. fost of the land in this village is desertified or being seriously threatened by desertification

Problems







low vegetation coverage, overgrazing



techniques. low awareness of need for environmental protection, low

Project Targets

- 1. Explore an agro-forestry development model that addresses desertification and fits the local situation.
- 2. Raise environmental awareness and technical capacity for protection among locals. Spread and expand knowledge of desertification and low-carbon lifestyles among urban residents.
- 4. Strengthen the formality and science of the project's management



Project Content

Activities

- Help the locals with the planning of tree planting, discussing the selection of species that fil
- the local environment, and tree planting methods.

 Build large forests to act as windbreakers and will stabilize the shifting sands.

 Advocate sustainable forestry through the spread of knowledge, including creating a guidebook regarding an under-forest economy (developing modern economics and processes based around
- · Encourage the locals to try an under-forest economy approach.
- Visit local families and support the maintenance of the forest.
 Launch various lectures and workshops in Shanghai to spread ideas of low-carbon lifestyles
- Organize volunteers from Shanghai to plant trees in Inner Mongolia.
- Invite experts for onsite forest visits, providing project evaluation and reo
- . Observe and measure the trees regularly hullding a long-term regular database for forests



Outcomes to Date

- Planted 432,922 poplars and pines in 2012, covering 418 hectares of land. Nearly 4267 hectares of the trees have been inter-cropped, which generate approximately another 200RMB per Mu of extra income for the locals.
- Supported the establishment of fencing and a Forest Ranger system. Helped the locale navigate and purchase seedlings. By summarizing local experience and successful cases in other (similar) areas, a guidebook regarding under-forest economy (attached with a calendar) has been created and distributed to spread knowledge of sustainable agro-forestry development.
- Publicly announced the project in the village; visited several families; organized the farmers to learn and share good ways of maintaining the forests. All these activities have effectively helped to raise the villagers' awareness and initiated the development of sustainable community
- Organized tree planting trips for over 316 volunteers of different donors in 2012. The MTP team has attended and organized over fifty lectures/training/workshops/meetings for companies and schools; organized 1 rock (awareness/fundraiser) concert with over 600 attendees; a large reception with Dr. Jane Goodall, advocating low-carbon lifestyles and environmental protection to 400 corporate attendees; and attended over twenty-three event fairs, distributing over 5,000 leaflets which spread the idea of low-carbon lifestyles and desertification.
- 5. Invited Dr. Robin Rose from Oregon State University, U.S.A to visit Inner Mongolia, being trained with the most updated measurement methods and investigation work. Dr. Rose provided a follow-up technical evaluation report, giving suggestions on project development and current problems. Between April and November, the on-site team paid ten regular visits to the forest and conducted one full-forest sample investigation. As an outcome of these visits and investigations, three routine forest reports and one general annual forest reports were created, including descriptions of the tree growth, current problem analysis and suggestions, and importa references for further management and improvement.

Project Institute



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 CROs 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 and chemicals of global concern. With presence in more than 125 countries, SGP has supported more than 14,500 community-based projects worldwide





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 devel 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

The Million Tree Project



The Shanghai Roots & Shoots Million Tree Project, which began in 2007, aims to raise community awareness of the Earth's precious environment while focusing on steps individuals can take to lessen their negative impact on the natural world. The project gives individuals and organizations ar opportunity to fight global warming by planting oxygen-producing trees in Inner Mongolia, China. It also encompasses true capacity building as the local population is intimately involved with, and benefits from, every step of planting, maintaining and monitoring the trees.

Shanghai Roots & Shoots has successfully planted the one millionth tree in the Inner Mongolian desert in July 2012, two years ahead of schedule. Full-time forestry staffs stay in Kulun and work closely with local farmers to plant and maintain the trees. Through observation and investigation, they make pure the trees will grow well and do positive ecological and economic impact to the local community. The project will continue its journey towards second million tree forest since 2013.



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全球环境基金小额赠款计划 Global Environment Facility Small Grants Programme

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