The Panda-friendly Daping Model
- Sustainable Management of Traditional Medicine Plants Project

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Who We Are?

- Registered on 2005
- Grass-root NGO based in Chengdu, Sichuan province, SW China
- Grew up from PRA (preparatory rural approval) network in Sichuan Province
- Six staff, three volunteers, and more than 30 contracted advisors
- Focus on community-based sustainable development
• Upper Yangtze Eco-region
• High-biodiversity landscape
• Diverse minority groups, 4.6 million people
• “Green Heart”
• Habitat for more than 80% giant pandas
• One of the 200 global hotspots of biodiversity
TCM (Traditional Chinese Medicine) Collection

- More than 25 plants of TCM are endangered species in CHINA RED LIST
- More than 45 species in red list are still extensively used

DANGGUI *Angelica sinensis*

BEIMU *Fritillary*
Unmanaged Wild TCM Harvest
TCM Market

- Unpredictable price
- Diversity in quality
- Lack of management, e.g., traceability

Town-level TCM collector/buyer

The base for 3000 TCM traders at the new Hehuachi market, Chengdu
Our Mission

To develop a strategic model through incentive based approaches for sustainable harvest of medicine plants in the mountain range in the upper Yangtze River basin.
STEP 1: Baseline Surveys

- Participatory rural approval in the community
- Research on TCM resources
- Market surveys
- Location: Daping Village
About Daping

- A flat ground located in the high mountain area
- 400 villagers
- 0.2 square kilometers
- 10 TCM are collected from April to November
TCM research in giant pandas’ habitat
STEP 2: Capacity Building and Regulation

- Set up a community-based team
- Provide a series of trainings to develop the skills of the local team
- Create a resource management plan in Daping Village
- Help establish TCM harvest regulation
大坪村野生中药材资源可持续管理村规民约

根据国家的有关法律法规，经大坪村全体村民讨论通过，水晶镇人民政府批准，为保护、利用好大坪村内的各种药材资源，特制定本村规民约：

1. 所有大坪村村名都有保护大坪村内所有药材资源的责任和义务；
2. 大坪村范围内所有药材资源，都是属于所有大坪村村名的财产，受到国家法律政策的保护；
3. 农户自己的耕地、荒地、自留山内的所有药材资源，由农户自己管理、利用，其他任何人不得侵占、损坏。

4. 禁止外村人私自进入大坪村采摘各种药材，按照“谁发现谁没收，没收物归谁所得”的原则，鼓励大坪村村名主动、积极地参与防止外村人进入大坪村采摘药材的行为。如外村人有破坏性采集药材资源的行为，农户有权利干涉，制止并没收其采集到的药材，并要求赔偿药苗、林苗的损失。出现此等情况，大坪村村名应及时向村两委和管理小组进行反映。

5. 村有林、社有林内的药材资源，由管理小组协助村两委、社队干部共同管理。

(1) 5位管理小组成员，分别参与管理不同村名小组的社有林，具体安排是：俞泽润负责岩家坝社，唐金周负责大院子社，杜从全负责杜家坝社，俞远德负责罗家坝社，张显武负责瓦房子社；
(2) 各管理小组成员，要对自己负责的地域内老百姓的野生药材采集行为进行监督、指导，杜绝出现不按规定采集的行为。

(3) 对于出现的问题，管理小组成员要及时向村两委通报并进行协商解决。

6. 当出现药材资源采集利用的纠纷，可报请村两委和水晶镇人民政府协调解决。

7. 针对五味子的所有采集行为必须按照要求进行。

(1) 采集季节：阳历8-9月（果子开始变红）；
(2) 采集方式：
- 用钩子把树枝钩弯，采集好果子后放回去，做到不伤害树木的目的；
- 爬到树上进行采集；
- 20%的果子不采集（高一些的地方无法采集，可以保证果子的剩余量）；
- 严禁采用砍树取果、砍树取果的方法采集五味子。

平武县水晶镇大坪村村民委员会
大坪村中药材资源可持续管理小组
2009年8月

TCM harvest regulation
STEP 3: Select Specified TCM Plants

- **NAN WUWEIZI** (Southern China population of *Schisandra*) as key species, liana plant like grape.
- Collect from July to August, up to 1600m – 2300m high in the broad-leaf forest; Women and children are the majority,
STEP 4: Establish the Producers Association

- Registered as Shuijing TCM Co-operative
- 150 Household Members
- Enable the association to open a bank account
<table>
<thead>
<tr>
<th>Description</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>采集编号</td>
<td>STOP CUTTING</td>
</tr>
<tr>
<td>采集人姓名</td>
<td>Collect the red ones, leave some for the animals</td>
</tr>
<tr>
<td>采集时间</td>
<td></td>
</tr>
<tr>
<td>采集地点</td>
<td></td>
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<tr>
<td>证明人签名</td>
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<tr>
<td>重量（公斤）</td>
<td></td>
</tr>
<tr>
<td>收货人签名</td>
<td></td>
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</tbody>
</table>

备注：1、证明人必须是管理小组成员；
2、收货人签名必须由管理小组成员和生产经营者协会代表人共同签字。
STEP 5: Process, Products and Functional Upgrading

Daping Village, Sichuan commenced a partnership with Traditional Medicinals in California, USA.
2009 3 tons

2 USD / Kg

2010 5 tons

3.5 USD / Kg

2011 11 tons
STEP 6: Complete Organic Certification

- Institute for Marketecology (IMO) help to get certification of USA NOP standard and European Sustainable organic product
- Access to higher prices and more markets
PANDA-FRIENDLY
The Achievements of Daping Model

Firstly added government policy on sustainable production, conservation of medical plants for Sichuan province

1 resource management plan, as role model for other TCM sustainable collection

2 organic certificates, promoting Panda-friendly projects

19 tons of high-quality Southern Schisandra

20 villages join resource management, enabling sustainable cooperation between the government and villagers

200 square kilometers Panda Habitat are preserved
We Are Part of

• TCM Administration of Sichuan Province
• Forestry Department of Sichuan Province
• Government of Pingwu County and Shuijing Town
• Daping villagers
• Wanglang National Giant Panda Nature Reserve
THANK YOU!

谢谢！

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