



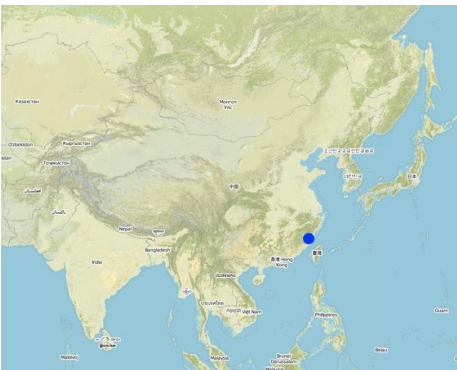
Overlook of the comprehensive control of a small watershed in Zhenghe county. (YANG Xuezheng (Fuzhou China))

# Comprehensive Development & Management of a Small Watershed ( )

Intergraded development of a small watershed

The comprehensive measures including interplanting & intercropping are applied in the small watershed to control soil and water loss and improve integrated production.

Based on the national conditions and soil and water loss in the area, the corresponding SWC measures were adopted to pursue the targets including: 1. Closing the hilly and mountain area of 224ha for the timber forest and grass growing as well as preventing soil and water loss; 2. Adjusting the land use structure so as to strengthen the comprehensive development of the hilly land as well as crop land irrigation; 3. Changing the area of W & S loss to economic vegetation land; 4. Constructing reservoirs and roads.



: Fujian Province,	
:	
• 119.307, 26.43	
:	(5.93 km²)
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( )	: 10
(> 50 )	
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Comprehensive development & management of Xinxili small watershed (HUANG Xinquan (Fuzhou, China))

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Tree types: Abies species (fir), ,

: , , /

/



, Wg: - Wt:



- Et:



- Cn: (



) - Ha:

• SLM ( )





SLM

- A1: /

- S7: /

Wocat SLM Technologies

Comprehensive Development & Management of a Small Watershed

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- M1:



<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>• ( ) 1 USD =</li> <li>• 1.44</li> </ul>	<p>Because mechanic machines are not available, more labor forces are needed costing much. In addition, the expense for seeding, fertilizer, flagstone used in building dams take most of the total fees.</p>
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1. closing mountain to afforest ( / : 1990)
2. planting bamboo ( / : 1990)
3. bamboo forest cultivated ( / : 1990)
4. changing farmland to forest ( / : 1990)
5. planting fruit trees ( / : 1990)
6. Building sluice dams ( / : 1990)
7. road constructing ( / : 1990)

1. fertilizing ( / : 1990-1999 /3)
2. cleaning out ruderal ( / : 1990-1999 /2)
3. Preventing and curing illness and insect pests ( / : 1990-1999 /3)
4. Broadening road ( / : 1995/timely)
5. highway maintenance ( / : 1995/timely)



<ul style="list-style-type: none"> <li>&lt; 250</li> <li>251-500</li> <li>501-750</li> <li>751-1,000</li> <li>1,001-1,500</li> <li>✓ 1,501-2,000</li> <li>2,001-3,000</li> <li>3,001-4,000</li> <li>&gt; 4,000</li> </ul>	<ul style="list-style-type: none"> <li>✓</li> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> </ul>	1609.0
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<ul style="list-style-type: none"> <li>(0-2%)</li> <li>(3-5%)</li> <li>(6-10%)</li> <li>(11-15%)</li> <li>✓ (16-30%)</li> <li>(31-60%)</li> <li>(&gt;60%)</li> </ul>	<ul style="list-style-type: none"> <li>✓</li> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> </ul>	<ul style="list-style-type: none"> <li>0-100</li> <li>101-500</li> <li>501-1,000</li> <li>1,001-1,500</li> <li>1,501-2,000</li> <li>2,001-2,500</li> <li>2,501-3,000</li> <li>3,001-4,000</li> <li>&gt; 4,000</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> <li></li> </ul>
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<ul style="list-style-type: none"> <li>(0-20 )</li> <li>(21-50 )</li> <li>(51-80 )</li> <li>(81-120 )</li> <li>✓ (&gt; 120 )</li> </ul>	<ul style="list-style-type: none"> <li>( )</li> <li>/ ( )</li> <li>( , )</li> <li>/ ( )</li> </ul>	<ul style="list-style-type: none"> <li>(&gt; 20 )</li> <li>/ ( )</li> <li>( , )</li> <li>/ ( )</li> </ul>	<ul style="list-style-type: none"> <li>✓ (&gt;3%)</li> <li>(1-3%)</li> <li>(&lt;1%)</li> </ul>
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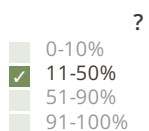
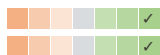
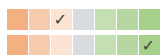
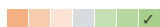
<ul style="list-style-type: none"> <li>&lt; 5</li> <li>5-50</li> <li>&gt; 50</li> </ul>	<ul style="list-style-type: none"> <li></li> <li></li> <li></li> </ul>	<ul style="list-style-type: none"> <li>( )</li> <li>( )</li> <li>( )</li> </ul>	<ul style="list-style-type: none"> <li>?</li> <li>/</li> <li></li> <li>/</li> </ul>
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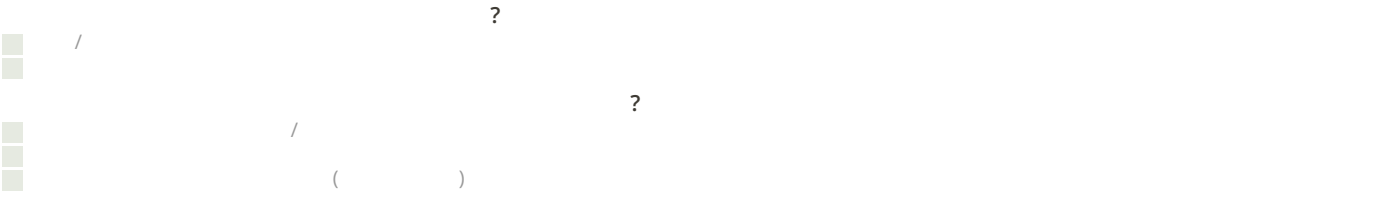


## SLM



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[https://qcat.wocat.net/km/wocat/technologies/view/technologies\\_971/](https://qcat.wocat.net/km/wocat/technologies/view/technologies_971/)

**SLM**  
Approaches: Comprehensive Development & Management of a Small Watershed  
[https://qcat.wocat.net/km/wocat/approaches/view/approaches\\_2408/](https://qcat.wocat.net/km/wocat/approaches/view/approaches_2408/)  
Approaches: Interplanting fruit trees of Longan, Peach, Plum etc. [https://qcat.wocat.net/km/wocat/approaches/view/approaches\\_2407/](https://qcat.wocat.net/km/wocat/approaches/view/approaches_2407/)

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