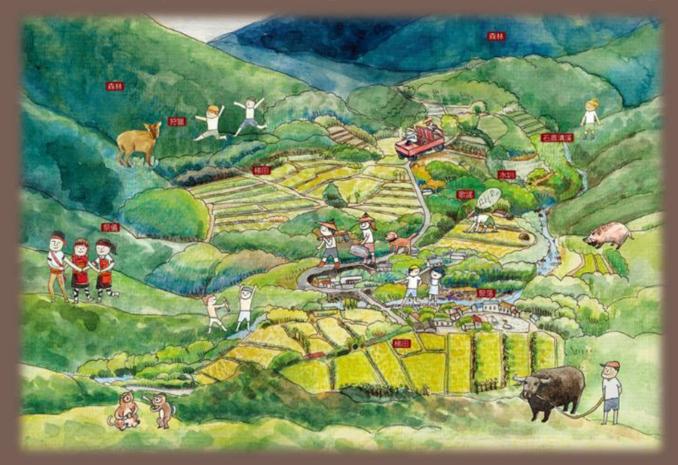
Satoyama Initiative Regional Workshop in Sabah Malaysia, 18-20 April 2017



Facilitating the Development of a Taiwan Partnership for the Satoyama Initiative (TPSI) A progress report on the SDM 2016 project & IPSI collaborative activity

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OUTLINE

Background Challenges □ Strategy □ Progress of 2014-2016 **2017** Vision for the future

Background

- Satoyama Initiative *introduced to Taiwan in the late* 2010 and received great popularity from the government and the general public.
- Practices engaging in conservation and revitalization of socio-ecological-production landscapes (SEPLs) in compliance with the goal of Satoyama Initiative increasing.
- Especially *since 2011, the Forestry Bureau (FB)* working with universities, NPOs and local communities on *ecological restoration of rice paddies and wetlands* in the name of the Satoyama Initiative.

Challenges

- A lack of an integrated national policy and strategic framework
- A lack of indicator systems for monitoring SEPLs
- A *need* for relevant research for *adapting* the Satoyama Initiative *into national and local contexts*
- A lack of a capacity-building mechanism for practitioners
- A need for national and regional networks for on-the-ground and collaborative activities

Strategy

- It calls for a more *integrated approach* to setting up *a national strategic framework* for promoting Satoyama Initiative in Taiwan.
- Learning from the knowledge and experiences of IPSI, in 2015, National Dong-Hwa University (NDHU) proposed a national strategic framework and started to work with Forestry Bureau (FB) on building up a Taiwan Partnership for the Satoyama Initiative (TPSI).

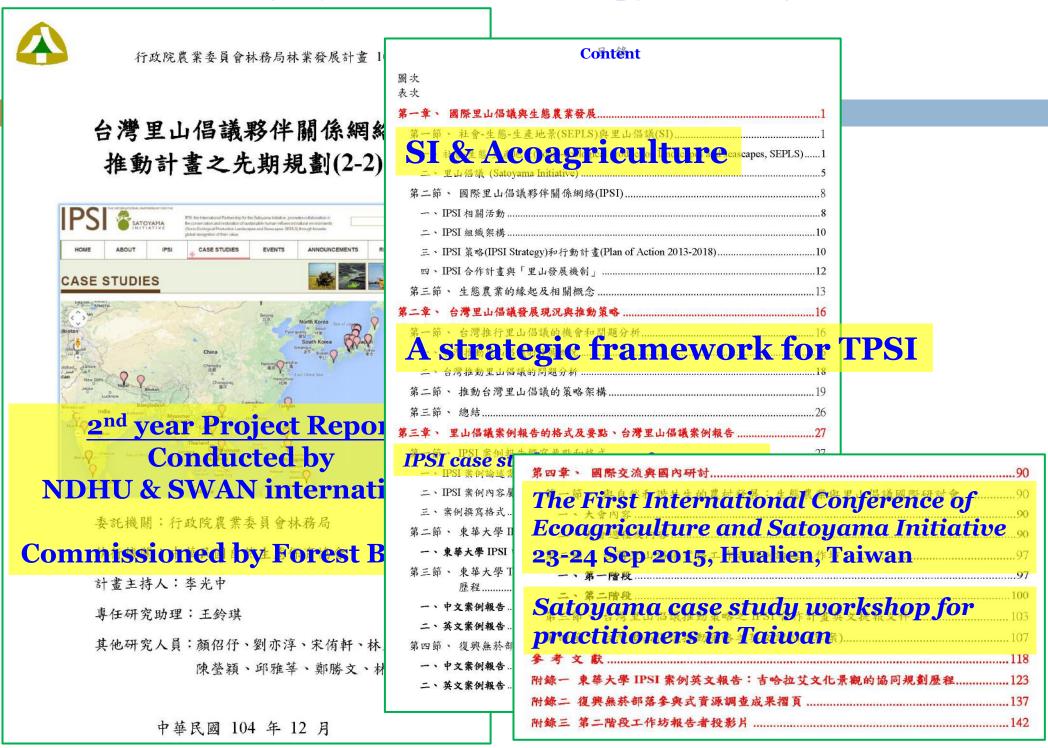


Lee (2014) A Pilot Project for a Taiwan Partnership for the Satoyama Initiative (1/2)



	_{表次}
第一節、社會-生態-生產地景(SEPLS)與里山得強(SI) 1 中日中の日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	圆次
Introductional of the Siles Same Pass P1.5)1 二、里山陽嶺 (Satoyama Initiative) 第二節、國際里山倡議夥伴關係綱絡(IPSI)	第一章、 里山倡議(SI)及其國際夥伴開係網絡(IPSI)1
二、里山倡議 (Satoyama Initiative) .5 第二節、 國際里山倡議夥伴關係網絡(IPSI) .8 一、IPSI 相關活動 .8 二、IPSI 組織架構 10 三、IPSI 菜幣(IPSI Strategy)和行動計畫(Plan of Action 2013-2018) 10 四、IPSI 含作計畫與「里山發展機制」 12 五、IPSI 案幣(IPSI Strategy)和行動計畫(Plan of Action 2013-2018) 10 四、IPSI 含作計畫與「里山發展機制」 12 五、IPSI 案例報告報寫要認知格式 13 第三節、 社會-生態-生產地景約評估架構和回復力指標 16 二、增進社會-生態-生產地景約評估架構和回復力指標 16 二、增進社會-生態-生產地景和海景的《口復力指標、貝箱》 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 六、造過社區工作坊發展和評估回復力指標的類別和評估細目 19 六、造過社區工作坊發展和評估回復力指標的資源 25 第四節、2014 年 IUCN 世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 39 Preliminary (framework for TPPSI) 39 第一節、台灣里山倡議的標會和問題分析 30 二、台灣里山倡議約件關係網絡的政策依據、目標和策略架構 41 二、計畫的國內外政策依據 41 二、計畫的國內外政策依據 41 二、計畫會來經標 41 二、計畫會來經標標 <th>第一節、社會-生態-生產地景(SEPLS)與里山倡議(SI)</th>	第一節、社會-生態-生產地景(SEPLS)與里山倡議(SI)
二、里山倡議 (Satoyama Initiative) .5 第二節、 國際里山倡議夥伴關係網絡(IPSI) .8 一、IPSI 相關活動 .8 二、IPSI 組織架構 10 三、IPSI 菜幣(IPSI Strategy)和行動計畫(Plan of Action 2013-2018) 10 四、IPSI 含作計畫與「里山發展機制」 12 五、IPSI 案幣(IPSI Strategy)和行動計畫(Plan of Action 2013-2018) 10 四、IPSI 含作計畫與「里山發展機制」 12 五、IPSI 案例報告報寫要認知格式 13 第三節、 社會-生態-生產地景約評估架構和回復力指標 16 二、增進社會-生態-生產地景約評估架構和回復力指標 16 二、增進社會-生態-生產地景和海景的《口復力指標、貝箱》 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 六、造過社區工作坊發展和評估回復力指標的類別和評估細目 19 六、造過社區工作坊發展和評估回復力指標的資源 25 第四節、2014 年 IUCN 世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 39 Preliminary (framework for TPPSI) 39 第一節、台灣里山倡議的標會和問題分析 30 二、台灣里山倡議約件關係網絡的政策依據、目標和策略架構 41 二、計畫的國內外政策依據 41 二、計畫的國內外政策依據 41 二、計畫會來經標 41 二、計畫會來經標標 <th>Introductional OftiSalso Kande RaS EPLS)1</th>	Introductional OftiSalso Kande RaS EPLS)1
-、IPSI 相關活動 .8 二、IPSI 組織架構 10 三、IPSI 組織架構 10 三、IPSI 菜吻(IPSI Strategy)和行動計畫(Plan of Action 2013-2018) 10 四、IPSI 合作計畫與「里山發展機制」 12 五、IPSI 案例報告撰寫要點和格式 13 第三節、社會-生態-生產地景的評估架構和回復力指標 16 一、社會-生態-生產地景的評合案 16 二、增進社會-生態-生產地景的保全活用和回復力 16 二、增進社會-生態-生產地景的保全活用和回復力 16 二、增進社會-生態-生產地景的保全活用和回復力 16 二、增進社會-生態-生產地景的保全活用和回復力 16 二、社會-生態-生產地景和漆景的《回復力指標工具箱》 19 五、社會-生態-生產地景和海景回復力指標的頻影和評估細目 19 六、造過社區工作坊發展和評估回復力指標的影影 25 第四節、2014 年 IUCN 世界保護區大會重要訊息 26 一、2014 年世界保護區大會實景 26 二、2014 年世界保護區大會實景 26 二、2014 年世界保護區大會實景 26 二、2014 年世界保護區大會實景 26 二、2014 年世界保護區大會實景 26 二、全台灣里山倡議的機會和問題分析 39 第一章節、台灣里山倡議的傳給會和問題分析 39 第一章節、台灣里山倡議的問題分析 39 二、台灣理由倡議的問題分析 40 第二章 41 二、計畫的圖內外政業依據 14 二、計畫會地案部案 41	
二、IPSI 組織架構	第二節、 國際里山倡議夥伴關係網絡(IPSI)8
三、IPSI 策略(IPSI Strategy)和行動計畫(Plan of Action 2013-2018) 10 四、IPSI 合作計畫與「里山發展機制」 12 五、IPSI 案例報告撰寫要點和格式 13 第三節、社會-生態-生產地景的評估架構和回復力指標 16 一、社會-生態-生產地景的評估架構和回復力指標 16 二、增進社會-生態-生產地景的評估架構和回復力 16 二、增進社會-生態-生產地景的評估容積和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景和海景回復力指標的發展線起和內容特徵 17 四、社會-生態-生產地景和海景回復力指標的類別和運行細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 六、透過社區工作均發展和評估回復力指標的類別和評估細目 19 六、透過社區工作均發展和評估回復力指標的對數 26 一、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 39 第一節、台灣 推行里山倡議的標會和問題分析 39 第一節 、台灣推行里山倡議的標會和問題分析 39 第一節 、台灣里山倡議的時題分析 40 第二節、台灣里山倡議的問題分析 40 第二節 41 二、計畫會地目標 33	一、IPSI 相關活動8
四、IPSI合作計畫與「里山發展機制」 12 五、IPSI案例報告撰寫要點和格式 13 第三節、社會-生態-生產地景的評估架構和回復力指標 16 一、社會-生態-生產地景的評估架構和回復力指標 16 二、增進社會-生態-生產地景前線研究的重要性 16 二、增進社會-生態-生產地景前線研究的重要性 16 二、增進社會-生態-生產地景的線全活用和回復力 16 三、社會-生態-生產地景回復力指標的發展線起和內容特徵 17 四、社會-生態-生產地景和海景的《回復力指標工具箱》 19 五、社會-生態-生產地景和海景回復力指標的變用 19 五、社會-生態-生產地景和海景回復力指標的獎用 19 五、社會-生態-生產地景和海景回復力指標的獎別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的獎單 25 第四節、2014年 IUCN 世界保護區大會重要訊息 26 一、2014年世界保護區大會實景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 36 第二章、全灣推行里山倡議的機會和問題分析 39 第二章 4 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政業依據 41 二、計畫實施成率解構 41 二、計畫實施成率解構 41 二、計畫實施成業 44	二、IPSI 組織架構10
五、IPSI 案例報告撰寫要點和格式 13 第三節、社會-生態-生產地景的評估架構和回復力指標 16 一、社會-生態-生產地景相標研究的重要性 16 二、增進社會-生態-生產地景相標研究的重要性 16 二、增進社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景和保全術和回復力指標。 17 四、社會-生態-生產地景和海景回復力指標的發展線起和內容特徵 17 四、社會-生態-生產地景和海景回復力指標的頻別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的頻別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的頻別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的頻別和評估細目 19 二、社會-生態-生產地景和海景回復力指標的頻影和評估細目 19 六、透過社區工作坊發展和評估回復力指標的頻影和評估細目 19 六、透過社區工作坊發展和評估回復力指標的步驟 25 第四節、2014 年 IUCN 世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 39 第二章、全灣推行里山倡議的機會和問題分析 39 第二節、台灣推行里山倡議的機會和問題分析 39 二、台灣推動里山倡議的時職分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政業依據 41 二、計畫實施業略架構 41 二、計畫實施業略架構 41	三、IPSI 策略(IPSI Strategy)和行動計畫(Plan of Action 2013-2018)10
第三節、社會-生態-生產地景的評估架構和回復力指標 16 一、社會-生態-生產地景指標研究的重要性 16 二、增進社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景回復力指標的發展線起和內容特徵 17 四、社會-生態-生產地景和海景回復力指標的發展線起和內容特徵 17 四、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 六、透過社區工作坊發展和評估回復力指標的步驟 25 第四節、2014 年 IUCN 世界保護區大會背景 26 一、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、約請及建議 36 第二章、 建立台灣里山倡議的機會和問題分析 39 第二節、台灣理山倡議的機會和問題分析 40 第二節、台灣理山倡議的問題分析 40 第二節、台灣理山倡議將伴關係網絡的政策依據、目標和策略架構 41 二、計畫的國內外政策依據 41 二、計畫實施策略架構 43 三、計畫實施策略架構 44	四、IPSI 合作計畫與「里山發展機制」12
-、社會-生態-生產地景指標研究的重要性	五、IPSI 案例報告撰寫要點和格式13
二、增進社會-生態-生產地景的保全活用和回復力 16 三、社會-生態-生產地景回復力指標的發展線起和內容特徵 17 四、社會-生態-生產地景和海景的《回復力指標工具箱》 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 六、透過社區工作坊發展和評估回復力指標的類別和評估細目 19 六、透過社區工作坊發展和評估回復力指標的要求 26 一、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、約准分理山倡議的標會和問題分析 39 第二節、台灣推行里山倡議的問題分析 39 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議務伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫實施策略架構 43 三、計畫實施策略架構 44	第三節、 社會-生態-生產地景的評估架構和回復力指標16
三、社會-生態-生產地景回復力指標的發展緣起和內容特徵 17 四、社會-生態-生產地景和海景的《回復力指標上具箱》 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 六、透過社區工作坊發展和評估回復力指標的步驟 25 第四節、2014 年 IUCN 世界保護區大會重要訊息 26 一、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、台灣推行里山倡議的標網給網絡之推動計畫(草案) 39 第一節、台灣推行里山倡議的問題分析 39 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議務伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫實施策略架構 44	一、社會-生態-生產地景指標研究的重要性16
四、社會-生態-生產地景和海景的《回復力指標工具箱》	二、增進社會-生態-生產地景的保全活用和回復力16
五、社會-生態-生產地景和海景回復力指標的類別和評估細目 19 六、遠過社區工作坊發展和評估回復力指標的獎燉 25 第四節、2014年 IUCN 世界保護區大會重要訊息 26 一、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 36 第二章、建立台灣里山倡議夥伴關係網絡之推動計畫(草案) 39 第二節、台灣推行里山倡議的機會和問題分析 39 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫全程目標 43 三、計畫實施策略架構 44	
六、透過社區工作坊發展和評估回復力指標的步驟 25 第四節、2014 年 IUCN 世界保護區大會重要訊息 26 一、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 26 二、2014 年世界保護區大會背景 36 第二章、建立台灣里山倡議的標綱絡之推動計畫(草案) 39 第二章、台灣推行里山倡議的標題分析 39 第二節、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議務伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫實施策略架構 43 三、計畫實施策略架構 44	
第四節、2014年 IUCN世界保護區大會重要訊息 26 -、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 26 二、2014年世界保護區大會靖景 29 三、結語及建議 36 第二章、建立台灣里山倡議的機會和問題分析 39 第二節、台灣推行里山倡議的機會和問題分析 39 第二節、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫全程目標 43 三、計畫實施策略架構 44	
一、2014年世界保護區大會背景 26 二、2014年世界保護區大會背景 29 三、結語及建議 36 第二章、建立台灣里山倡議夥伴關係網絡之推動計畫(草案) 39 第二章、台灣推行里山倡議的機會和問題分析 39 第二節、台灣推行里山倡議的機會和問題分析 39 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫實施策略架構 43 三、計畫實施策略架構 44	
二、2014年世界保護區大會議程和成果 29 三、結語及建議 36 第二章、建立台灣里山倡議躬伴關係網絡之推動計畫(草案) 39 第二節、台灣推行里山倡議的機會和問題分析 39 Preliminary, framework for TPSI 39 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫實施策略架構 43 三、計畫實施策略架構 44	
三、結語及建議 36 第二章、建立台灣里山倡議躬伴關係網絡之推動計畫(草案) 39 第二節、台灣推行里山倡議的機會和問題分析 39 Preliminary 新田田田田子、「「「「「「「」」」」」」」 第二節、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議躬伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫全程目標 43 三、計畫實施策略架構 44	
 第二章、建立台灣里山倡議夥伴關係網絡之推動計畫(草案)	
第一節、台灣推行里山倡議的機會和問題分析 39 Preliminary framework for TPSI 39 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫全程目標 43 三、計畫實施策略架構 44	
Preliminary framework for TPSI39 二、台灣推動里山倡議的問題分析 40 第二節、台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構 41 一、計畫的國內外政策依據 41 二、計畫全程目標 43 三、計畫實施策略架構 44	
 第二節、 台灣里山倡議夥伴關係網絡的政策依據、目標和策略架構	第一節、台湾推行里山倡議的機會和問題分析 Preliminary。framework for TPSI。9
 一、計畫的國內外政策依據	二、台灣推動里山倡議的問題分析40
二、計畫全程目標	
三、計畫實施策略架構	
第三節、 台灣里山倡議夥伴關係網絡的運作辦法草案44	
	第三節、 台灣里山倡議夥伴關係網絡的運作辦法草案44
IPSI Case Study Report format	IPSI Case Study Report format
- 只称前小大之具不許	- 貝の市小小江貝木の1000000000000000000000000000000000000
& NDHU's IPSI Case Study Report	第二章 ····································

Lee (2015) A Pilot Project for a Taiwan Partnership for the Satoyama Initiative (2/2)



Lee (2014) TPSI Go! Building up a Taiwan Partnership for the Satoyama Initiative

Shia et al. (2015) A strategic framework proposal for promoting the Satoyama Initiative in Taiwan





建立台灣里山倡議夥伴關係網絡

☆·圖/**李光中** ●##★學自然管源問題演學系

國際里山倡議的概念和作法, 自從20 O年底引進台灣後,受到政府和民間的歡迎。 山倡議精神、從事農村地景保全活用的案例也愈來愈多。 前尚缺乏整體性的里山倡議規劃和推動架構 來整合及強化政府和民間的智慧及力量。 本文關注上述機會和問題,提議一項「台灣里山倡議夥伴關係網絡」 (Taiwan Parmership For the Satoyama Initiative, TPSI)建立的推動架構,提供各界參考。





10年第十届生物多接性小约大会議定的 受销自标是网路里山倡議的源料

推動台灣里山倡議的策略架構芻議

文/圖 夏榮生■林務局保育組簡任技正 ^{黃群策■林務局保育組棲地經營科}Authors: FB's officers 許曉華■林務局保育組棲地經營科技正 張弘毅■林務局秘書室主任 李光中■國立東華大學自然資<mark>源與環境學系副教授(通訊作者)</mark>

Taiwan Forestry Journal

山倡議自從2010年底引進台灣後,受到 政府和民間的歡迎,台灣各地符合里山 倡議精神、從事農村生產地景保全活用的案例 也愈來愈多。林務局近年推動水梯田暨濕地生 態復育工作,即積極回應國際里山倡議和生物 多樣性愛知目標。其中包括「八煙聚落」保有 傳統水梯田砌石圳道灌溉系統、砌石三合院、 水中央等特殊人文地景,並修繕八煙出張所為 聚落小賣店,銷售聚落生產之農產品及手工藝 藝品,讓在地小農的收益比以往增加約10倍, 也讓第二代願意回鄉深耕;「貢寮水梯田」生 態系統豐富,物種超過500種,還有珍貴的保 育類動物一食蟹獴出現,展現人與自然和諧共 生的美景;花蓮豐濱鄉「港口部落」原本遍布 著大面積層疊的阿美族傳統水梯田,因逐漸休 耕灌溉水路傾頹失修水田陸化,在林務局提供 經費及族人與耆老的協助下將水源引回田區, 當地暌違20年的「海稻米」也試種成功,眾人 的心中充滿感動等。以保存現有之珍貴水梯田 與埤圳生態環境,引導農民採取生態友善耕作 或有機農業方式生產、種植具文化與休閒市場 價值之傳統作物,創造兼具生物多樣性保護與 永續發展之經典案例,希望能起帶頭作用,讓

各項作為能將永續經營、維持生物多樣性的 理念融入其中。

& Lee

前述案例實際操作雖已有具體影響和成 效,惟展望未來,仍有許多挑戰及亟需調整 修正者,本文借鏡國際里山倡議及其夥伴關 係網絡之運作架構,首先分析台灣推動里山 倡議的機會和問題,繼而提出未來推動台灣 里山倡議的整體策略架構(包括策略目標、 策略架構、運作架構和工作面向等)之若干 想法,提供林務局未來研訂台灣里山倡議相 關政策和推動計畫之參考。

一、台灣推動里山倡議的機會 和問題分析

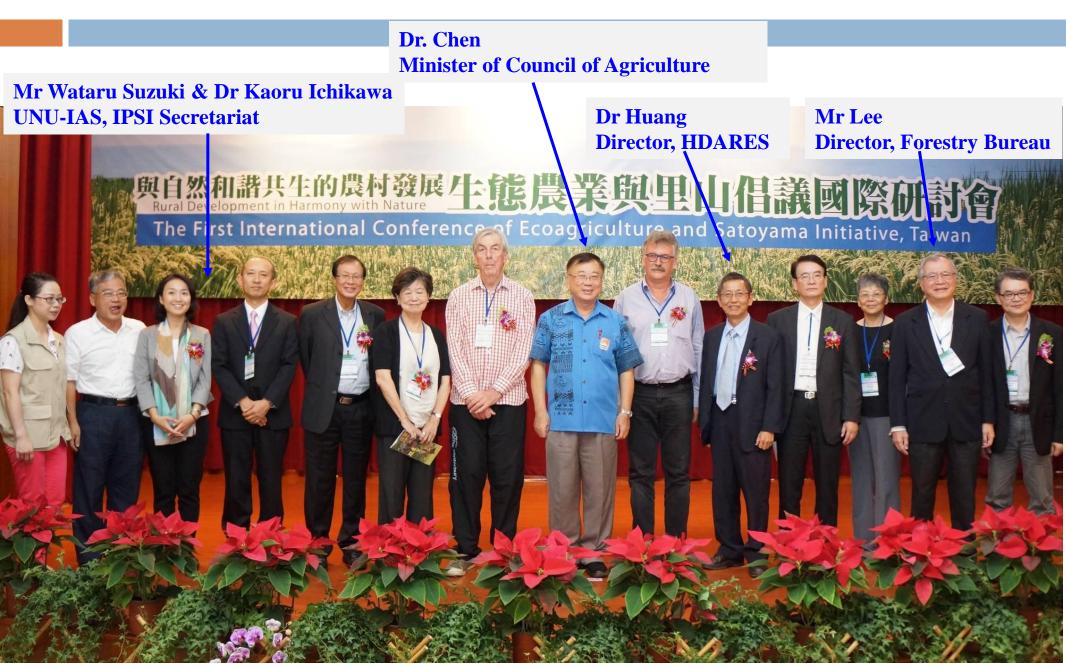
(一)台灣推動里山倡議的發展概況

台灣自 2010 年底引進里山倡議概念和 作法,受到各界重視。特別以林務局為首, 在政策研究和實務推動計畫上給予支持,奠 定里山倡議在台灣發展的基礎。目前,台灣 各地符合里山倡議精神、從事「社會一生態-生產地景」保全活用的相關案例愈來愈多, 至少包括:

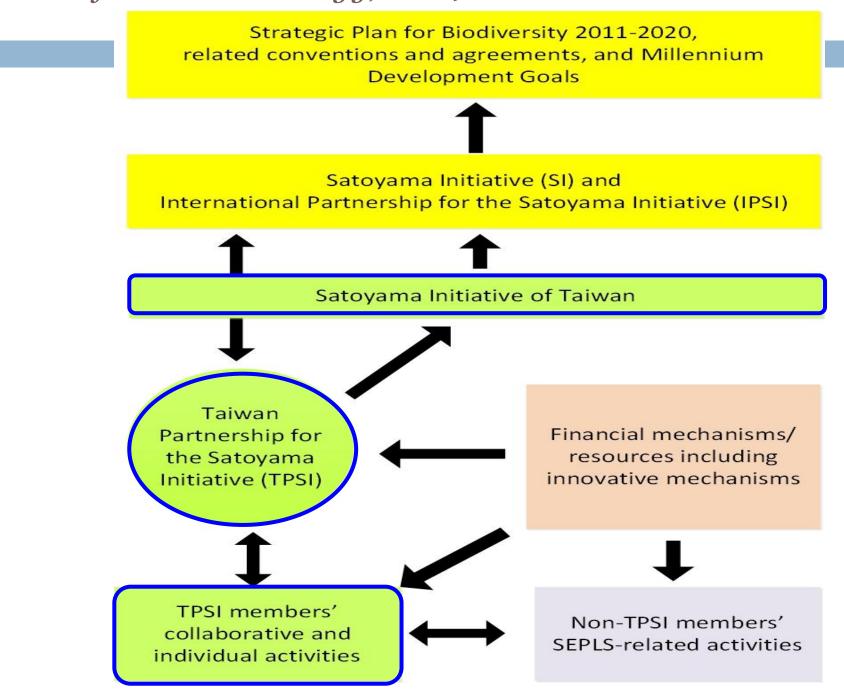
38 台灣林業 1 一〇四年 二月號

Taiwan Forestry Journal

The **first international conference** of *Eco-agriculture and the Satoyama Initiative*, HDARES, Taiwan (Sep 2015)



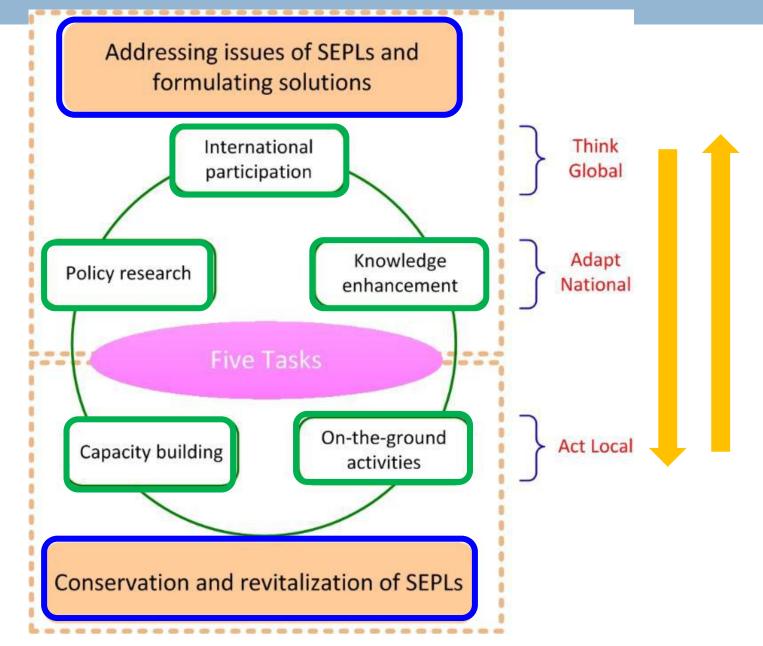
Relationship among TPSI, IPSI and SI (revised from IPSI Strategy, 2012)



TPSI Strategic Framework:

Two targets and Five clusters of activities

(based on IPSI Operational Framework, 2010)



Promotion of the Satoyama Initiative in Taiwan has become a new ministerial policy since May 2016

announced by the new minister of Council of Agriculture in May 2016 and by the new director of the Forest Bureau in July 2016

農委會新政:環境綠色給付、鼓勵有機小農、林業永續、里 山倡議
D建立於 2016/05/31 ▲上稿編輯:CLiao
5戰2016年5月31日台北訊,特約記者廖靜蔥戰導
f上任的農委會主委曹歐鴻能(30日) <mark>首度赴立法院報告</mark> 。宣示未來四年重要施政,包括綠自 見境給付、有機與友審環境耕作,以「里山倡議」稿神兼顯林葉永續利用;但沒有提到完整的 E膠保育政策與論述;另一方面,施政報告未提動物保職業務,立委要求3個月內針對現況進。 能點。
「歐鴻解釋,綠色給付目的是鼓勵農民減少化學肥料與農藥,他將鼓勵小農調型,成為友善大
的尖兵,「小農是當代最值得尊敬的農民。」他希望任內有機主產面積從6000公頃提高到 0000公頃。另外也會響應聯合國「千分之四」倡議,每年讓土環增加千分之四有機物質儲 覺,將空氣中的碳留在土釀中。

十 國會無難

林華慶出掌林務局 施政首重里山倡議



行政院農業委員會林務局局長林華慶表示,天然林禁止砍伐、經濟林使用依據國際規範, 以及深化里山倡議,為未來3大施政重點,尤其是里山倡議。

行政院農業委員會林務局今天舉行卸任、新任局長交接典禮,由前國立台灣博物館副館長



Taiwan Partnership for the Satoyama Initiative (TPSI) 7 IPSI members Nov 2016

Collaborating partners

NPO

NPO

Government

- all 7 IPSI members of Taiwan including
- Academic National Dong-Hwa University (NDHU)
 - **NGO** Society for Wildlife and Nature (**SWAN**) International
 - Taiwan Ecological Engineering Development Foundation (EEF)
 - **NPO** Environmental Ethics Foundation of Taiwan (**EEFT**)
 - Hualien District Agricultural Research and Extension Station (HDARES), Council of Agriculture
- **Government** Forestry Bureau (**FB**), <u>Council of Agriculture</u>
 - Tse-Xin Organic Agriculture Foundation (**TOAF**)
 - Other non-IPSI members of Taiwan

Lee (2016) Extension Project for TPSI (1/2)

行政院農業委員	會林務局林業發展計畫 105林發-07.2-保-17(1)	-
台灣里山倡議夥伴	Content 表次 圖次	五、結論
生物多樣性策 相關公約、協調	第一章、 第 「 第 Sues , 一、必須有整體, 二、必須有整體, 大國、和東略規劃 1 1 1 1 1 1 1 1 1 1 1 1	International #330 年前人 participation & exchange 64
國際里山倡議及其	framework of TPSI通 1 三、需建立能力培育機制 2 四、需建構台灣以里山倡議完整架構引導的實踐案例 2 第二節、計畫目標 2	第二節 PSIF6 72 ✓-、 FUCN: WCC*2016 72 ✓-、 FUCN: WCC*2016 72 ✓-、 FUCN: WCC*2016 72 ✓-、 NUCN: WCC*2016 72 ✓-、 Nuclear to the state of the sta
台灣	 一、全程目標	✓=第一FB'SEIPSI®membership application → form =、参約行程及目誌 96
台灣里山倡議 夥伴關係網絡 (TPSI)	二、國際參與	 二、多約1 社及日崎 第四節、 協助林務局加入會員並協助完成林務局之 IPSI 案例報告草案
1	第二章、能力培育及實踐範例 第一節、網絡協力: 企區實地踏查及現地工作訪 Capacity 作 building & 6 の中區實出 查及現地工作坊(2016.11.27)	エ、休初切之口日第一時報告半来
台灣里山倡議夥伴間的	On-the-ground activities 11 ✓、水4 Regional workshops for TPSI 24 第二節、網絡進力、行政業務内容部理由局部建築運行方法 34	 № Policy research ✓ Satoyāma*Initiative and
<u>1st year F</u> <u>安定機関:行</u> Conduc ^{执行機関:國} Commissione	^{第二節} partners (N, W, S, E parts) ^{5工作坊} → ^{T作坊目前} ✓ 和Workshop for FB's Administrative 34 =、 \$\$\$\$\$tem ^{\$in 8/3#} → \$\$\$\$\$tem ^{\$in 8/3#}	五、生態長葉的地景取向與通用地區 六 Ecoagriculture和和 landscape 113 七 高村社民名本地名載對生態良素主流化應發揮的角色 114 八、要引展村居民從事生態農業的誘因和方法 115 ✓ 九 SatoyamaxInitiative in Taiwan 117
計畫主持人: 研究人員:翁,	 第三節 第三節 第三節 1 1 一、前言 41 二、研究方法 二、行動研究歷程與發現 44 	+ (約 118 第二節、 台灣本土里山倡議論述內涵與實踐架構初探 118 一、連結台灣島「森、川、里、海」的綠色保育網絡 118 二、自然地區的保育 119
中華民	四、結果與討論	ш

Building up <u>4 Regional TPSI Networks</u> for capacity-building & on-the-ground activities, from 2016



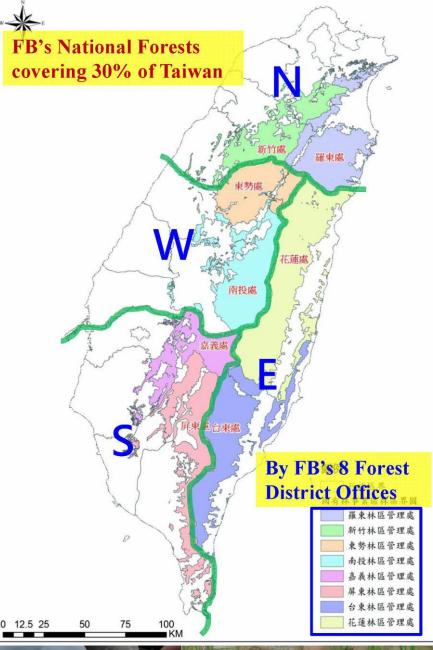






Capacity building: Workshop for Forestry Bureau's Administrative system 58 officers in FB headquarters, Taipei, 8-9 Aug 2016







TPSI-S Regional Workshop Kaohsiung, 12-13 July 2016 with 14 participants from *local communities, NGOs, NPOs, academics and governmental institutions*



TPSI-N Regional Workshop New Taipei, 15 Oct 2016 with 15 participants from *local communities, NGOs, NPOs, academics and governmental institutions*



TPSI-W Regional Workshop Miaoli, 27 Nov 2016 with **17 participants** from *local communities, NGOs, NPOs, academics and governmental institutions*



TPSI-E Regional Workshop Hualien, 7-8 Dec 2016 with 23 participants from *local communities, NGOs, NPOs, academics and governmental institutions*



International Exchange FB headquaters, Taipei, 17-20 Oct 2016

Dr Lin Hwa-Ching Director General, Forest Bureau

Mr. Naoya TSUKAMOTO Mr. Kazuhiko SERIU UNU-IAS, IPSI Secretariat

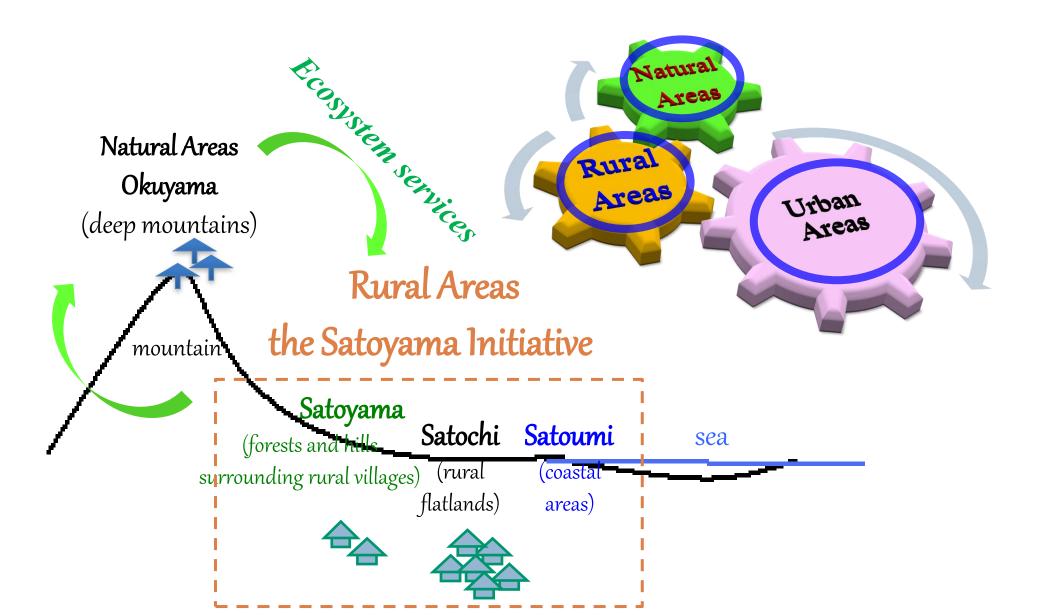
Mr Kazuaki NAGANO MoEJ

> Mr Toru HAYAMI Hayami Forest (FSC)

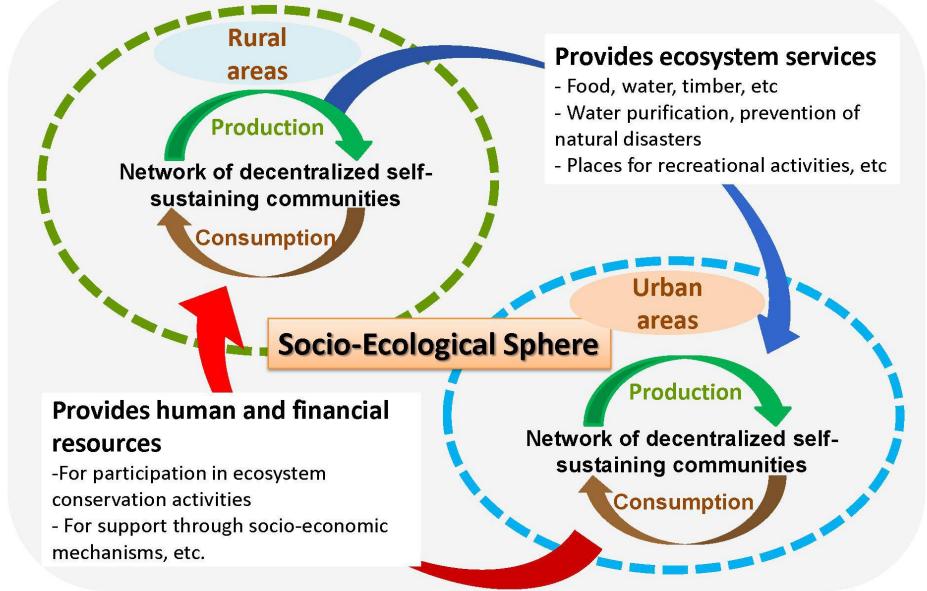
日本里山倡議經驗交流專題演講

2017 Vision for the future

Satoyama Initiative in Taiwan's Context: Concepts and approaches to *Re-connecting Natural- Rural- Urban Areas of Taiwan*

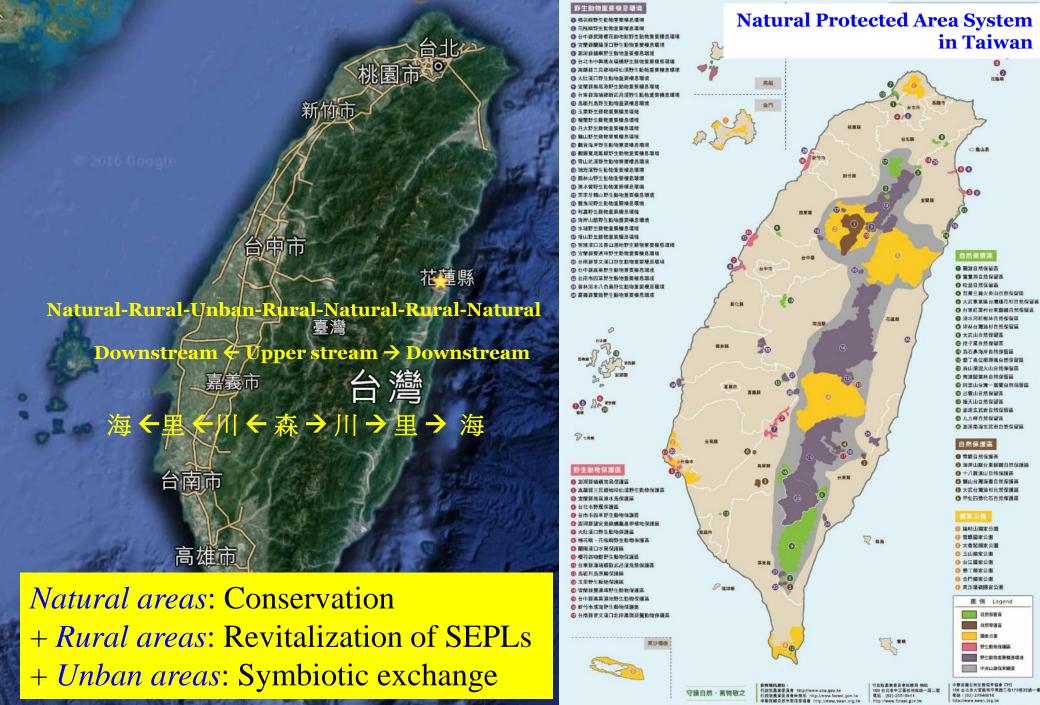


Human Well-Being Enriched by Ecosystem Services: An Integrated Regional Perspective(Takeuchi, 2012)

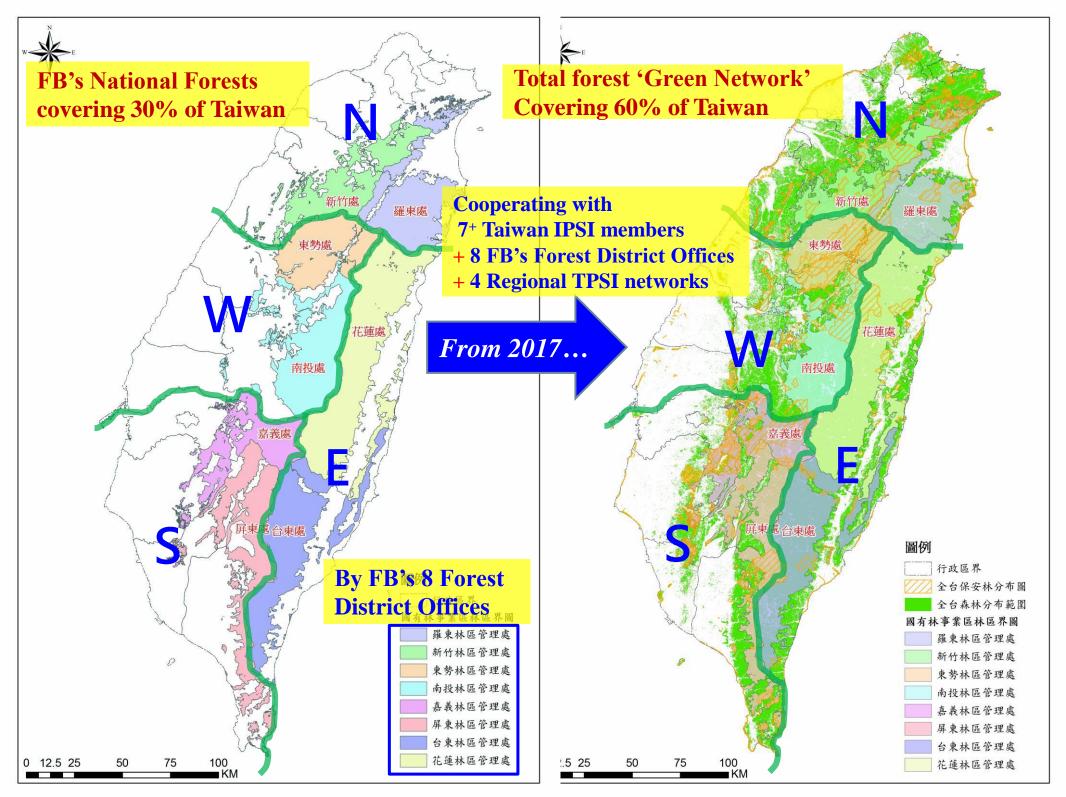


Proposed concept in Japan's newly revised NBSAP in September 2012

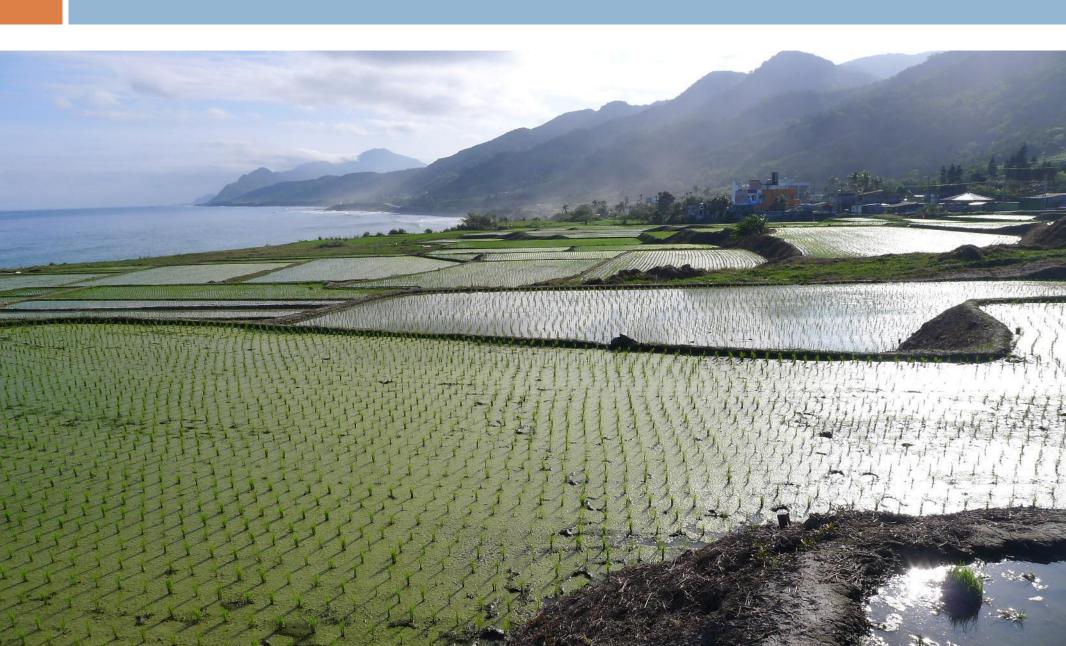
Satoyama Initiative in Taiwan's Context: for Re-connecting Natural- Rural- Urban Areas



電話:(02)-23515441 http://www.forest.gov.tw



Thank You for Listening



TPSI framework (1): 1st Target + 3 Tasks

- First target
 - Corresponding to 'think global' and 'adapt national,'
 - about addressing issues of and formulating solutions for SEPLs

TPSI framework (1): 1st Target + <u>3</u> Tasks

- Enhancing international participation and exchange
 - Contributions to IPSI conferences and workshops;
 - Conduction of international conferences and workshops concerning Satoyama Initiative in Taiwan
- Working on policy research and strategic framework for implementation
 - Reviews of problems and opportunities of promoting Satoyama Initiative in Taiwan;
 - A mid-term national strategic framework for promoting Satoyama Initiative in Taiwan
- Facilitating knowledge of indicators for monitoring
 - Participatory evaluation of indicators of resilience of the SEPLs in Taiwan
 - Agro-biodiversity indicator development

TPSI framework (1): 2nd Target + 2 Tasks

Second target
 corresponding to 'act local'
 about conservation and revitalization of SEPLs

TPSI framework (1): 2nd Target + **2** Tasks

- Enhancing capacity building for on-the-ground practitioners and relevant governmental institutions
 - Field visits for exchange of knowledge and know-how among on-the-ground practitioners;
 - Workshops of case study reports for on-the-ground practitioners in line with SI
- Enhancing and networking on-the-ground activities
 - Working on regional and national TPSI networks

IPSI Case Study Report: National Dong-Hwa University <u>https://goo.gl/oghsSU</u>

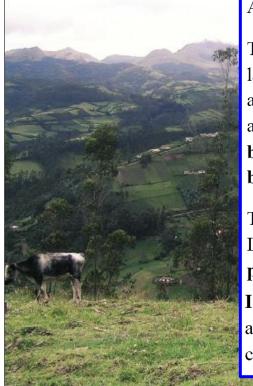
	INT	TIATIVE	Socio-Ecological Production Landscap obal recognition of their value.				
		PARTNERSHIP	CASE STUDIES	EVENTS	ANNOUNCEMEN	TS	RESOURCES

Categories	Collaborative Planning and Management of Socio-Ecological Production Landscapes: a Rice Paddy Cultural Landscape
Forest	Conservation in an Indigenous Community, Taiwan
	SUBMITTED ORGANISATION :
Coastal	DATE OF SUBMISSION :
Grass	CATEGORIES :
	REGION :
Agricultural	COUNTRY :
In-land Water	Google map :
Area	

A review of 80 IPSI Case Studies (2015)

For more information please visit the IPSI website: http://satoyama-initiative.org Or contact IPSI Secretariat: is i@unu.edu **SATOYAMA** INITIATIVE Decision making and implementations by the United Nations University Institute Decision making and implementations (UNU-IAS)

Decision making and implementation (CS 2, 50, 69, 73) The two-year action research projects of a case study from Taiwan (CS 73) have successfully introduced the Satoyama Initiative's three-fold approach into formulation of the "Cihalaay Cultural Landscape Management Plan" through a multi-stakeholder participation process. The projects facilitated **dialogue between the local community and the governmental authorities and helped to transform the informal local code of conduct – or norms of behavior – into its formal management principles**.



Another two case studies draw lessons from the *creation of a new type of protected area*. Creation of a new type of protected areas The above case study from Madagascar (CS 23) shows that the creation of a protected landscape-level conservation area, such as the Ankeniheny-Zahamena Corridor, requires an alliance of diverse stakeholders, who share a common vision for its establishment and management. It is crucial to first demonstrate that securing ecosystem services benefits local people in specific places and then to scale-up those successes for broad-level impact.

The above case study from Taiwan (CS 73) on the formulation of the Cihalaay Cultural Landscape Management Plan shows that the **combination of a multi-stakeholder participation process and the landscape approach in light of the Satoyama**

Initiative concept can help to create a new style of protected areas (IUCN protected area category V) in Taiwan's national protected area system. The Satoyama Initiative concept can be applied not only outside but also within protected areas.

IPSI Case Study Report:

Environmental Ethics Foundation of Taiwan (EEFT) https://goo.gl/mZNrmy



IPSI, the International Partnership for the Satoyama Initiative, promotes collaboration in the conservation and restoration of sustainable human-influenced natural environments (Socio-Ecological Production Landscapes and Seascapes: SEPLS) through broader global recognition of their value.



	EVENTS ANNOUNCEMENTS	RESOURCES
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IPSI Case Study Report:

Hualien District Agricultural Research and Extension Station (HDARES) <u>https://goo.gl/KJgz5x</u>

IPS	THE INTERNATIONAL P		IPSI, the International Partnership for th the conservation and restoration of sus (Socio-Ecological Production Landsca global recognition of their value.	stainable human-influenced	I natural environments Searc	h ··· search
HOME	CONCEPT	PARTNERSHIP	CASE STUDIES	EVENTS	ANNOUNCEMENTS	RESOURCES



Taking the agricultural production and the ecological environment conservation into consideration at the same time has already become the

IPSI Collaborative activity: National Dong-Hwa University <u>https://goo.gl/Tloz1Z</u>



IPSI, the International Partnership for the Satoyama Initiative, promotes collaboration in the conservation and restoration of sustainable human-influenced natural environments (Socio-Ecological Production Landscapes and Seascapes: SEPLS) through broader global recognition of their value.



HOME CON	NCEPT PARTNERSHIP	CASE STUDIES	EVENTS	ANNOUNCEMENTS	RESOURCES
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Newsletter Archive



How to become an IPSI partner



IPSI Collaborative Activities



Facilitating the Development of a Taiwan Partnership for the Satoyama Initiative (TPSI) **TPSI**

Lead organization: National Dong-Hwa University

Other participating organizations: The Society for Wildlife and Nature (SWAN) International; Taiwan Ecological Engineering Development Foundation; Environmental Ethics Foundation of Taiwan (EEFT); Forestry Bureau, Council of Agriculture, Taiwan; Hualien District Agricultural Research and Extension Station, Council of Agriculture, Taiwan

Activity Proposal

1. Background and goals

Ever since Satoyama Initiative was introduced to Taiwan in the late 2010, it has received tremendous popularity from the government and the general public. Practices engaging in conservation and revitalization of socio-ecological-production landscapes that are in compliance with the goal of Satoyama Initiative are on the rise. In recent years, National Dong-Hwa University and Forestry Bureau, Council of

IPSI Collaborative activity:

Hualien District Agricultural Research and Extension Station (HDARES) <u>https://goo.gl/9kGUAv</u>



Ecoagriculture

Newsletter Archive



How to become an IPSI partner



IPSI Collaborative Activities



Integrated project of enhancing ecoagriculture and sustainable development of rural Taiwan through international cooperation

Lead organization: Hualien District Agricultural Research and Extension Station, Council of Agriculture, Taiwan (HDARES)

Participating organizations (IPSI members): National Dong-Hwa University (NDHU)

Other participating organizations (non-IPSI members): Council of Agriculture, Taiwan (COA); National Taiwan University (NTU); Miaoli District Agricultural Research and Extension Station, Council of Agriculture, Taiwan (MDARES); Chinese Taipei Committee, International Commission on Irrigation Drainage (CTCID); Agricultural Engineering Research Center (AERC)

Activity Proposal

Background and goals

The global population has grown rapidly while the agricultural production environment of food supply is suffering from uneven development between urban and rural areas, rural traditional culture loss,



The Satoyama Development Mechanism (SDM)

ects selected in 2013

🐴 Projects selected in 2

SDM 2013



4-4 Chinese Taipei - SWAN International Converting pests to allies in tea farming - a potential case of Satoyama landscape in Hualien, Chinese Taipei



- Project goals and objectives

Conventional tea farming in Chinese Taipei requires the application of herbicides and pesticides to control pests from damaging the crops, but they are known to cause serious negative impacts on the surrounding biodiversity. In this context, SWAN International has identified at least two tea farming families in Hualien County of eastern Chinese Taipei who have completely stopped the use of pesticides and are using tea pests as their allies to produce a value-added tea variety. Tea leaves damaged by the green leafhopper, a species formerly considered as a pest, gives the tea a unique flavour. Through an innovative shift in the tea making process, these farmers were able to make leafhopper-damaged tea leaves a special flavoured product which is prized by consumers. If this new tea farming technique is able to support a higher level of biodiversity and also brings these added economic benefits to the farmers, it would serve as a model of socially and ecologically sustainable production landscape in Chinese Taipei. SWAN International therefore aims to investigate whether these tea plantations have higher biodiversity than that of the conventional tea plantations, and also to identify the benefits of the new farming approach to the local community. This project will serve to verify a Satoyama landscape in Chinese Taipei based on a scientific study, and also to share experiences on the restoration of SEPLS, and to support and promote SEPLS at local, regional and national levels

SWAN international

- Description of project activities SWAN International's project will comprise three main stages.

- The first stage will begin from a field survey to record and compare species diversity (mammals, birds, reptiles, amphibians, and especially insects) in tea plantations managed by conventional versus sustainable farming methods.
- The second stage will consist in interviewing the tea farmers and relevant stakeholders such as government agencies, other community members, tea buyers, consumers etc., in order to collect information on the motivation, production process, obstacles, and benefits of sustainable tea farming.
- ③ The third stage will be the analysis of the data collected in the field, including the sorting and recording of field samples, and the analysis of recorded data.

Once these are completed, the specimens will be stored, and the results of the analyses and interviews compiled into a report and shared with relevant stakeholders.





Satoyama Initiative Thematic Review vol. **O**



"Enhancing Knowledge for Better Management of Socio-ecological Production Landscapes and Seascapes (SEPLS)"

Chapter 11 SWAN international

Converting pests into allies in tea farming

— a SEPL case in Hualien, Taiwan

Jung-Tai Chao¹*, Ling-Ling Lee²

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Abstract

Eco-friendly farming (EF) has been practiced in some tea plantations of Wuhe Tableland, Rueisuei Township in eastern Taiwan to maintain populations of the small green. leafhopper (SGL), Jacobiasca formosana. Previously considered a pest, this insect is now an economic ally because tea shoots and young leaves "damaged" by SGL are now harvested to make a high-priced honey-flavored. black tea that is welcomed in the market. However, the socio-economic and ecological impacts of EF have not been examined. In this study, we measured and compared insect (and other arthropod) and vertebrate diversity. at three tea plantations with EF practices and three plantations with conventional farming (CF) practices, and interviewed relevant stakeholders to collect information on the socio-economic effects of EF versus OF practices. Our results showed that tea plantations with EF practices not. only generate higher economic return but also conservel higher biodiversity. In addition, more job opportunities were created through the EF practices. We conclude that social interviews and stakeholder engagement, as well as biodiversity surveys, are not only useful but also critical tools to identify and verify a socio-ecological production landscape (SEPL) such as the tea production landscape in Wuhe Tableland.

Keywords

biodiversity survey, small green leafhopper, socioecological production landscape, social-economic interview, Taiwan, tea

1. Introduction

In COP 10 Decision X/32 of Convention on Biological Diversity, the Conference of the Parties recognized the Satoyama Initiative as a potentially useful tool to better understand and support human-influenced natural environments for the benefit of biodiversity and human well-being. To conserve human-influenced natural environments, or sociole-cological production landscapes (SEPLs), the benefits of biodiversity and human well-being need to be identified and verified. However, social and economic dimensions, particularly the ecological dimensions of many SEPLs, are not measured quantitatively.

In 2013, we found a tea production landscape in Wuhe Tableland of eastern Taiwan, where some tea farmers managed their tea plantations by eco-friendly farming (EF) practices instead of conventional farming (CF) practices, i.e., using herbicides to remove weeds and pesticide to control pests such as the small green leafhopper (SGL). SGL, Jacobiasca formosare, is a common and abundant insect species in tea plantations of Taiwan (Chen et al. 1978, p. 93). With its sucking mouthparts, the insect feeds on phoem sap of the teal foliage, preferably shoots and young leaves. The feeding of SGL retards shoot growth and causes shoot ourling. The leaf margins turn yellow to brown and eventually fall off. The population of SGL usually reaches its peak in the summer (Chen et al. 1978, pp. 9697) and may cause great loss of tea shoots and leaves (Chen et al. 1978, pp. 93). Therefore, the SGL has traditionally been considered a serious pest for teal plantations. Many control methods, including chemical and biological control (Chen et al. 1978, p. 103; Shiau 2004, pp.7-8), have been developed to suppress populations of SGL and protect tea crops from plest damage.

In the early 2000s, scientists of the Tea Research and Extension Station successfully developed a honey-favorad black tea processed from SGL-fed colong tea shoots and leaves (Chen et al. 2004, pp. 81-87). This processing method was learned and further developed by a tea farmer of Wuhe, Mr. CS Kao, who cutcompeted contestants from 25 counties and won the championship of the black tea group in the First

The Satoyama Development Mechanism (SDM) 2014

SDM 2014

National Dong-Hwa University (NDHU)

CHINESE TAIPEI

Tailoring Satoyama initiative concepts to national and local context: A Case Study of the collaborative planning process of a Rice Paddy Cultural Landscape in an Indigenous Community, Taiwan — National Dong-Hwa University (Chinese Taipei)



Project goals and objectives

4-3

In 2005, the concept of landscape/seascape conservation was introduced into the amended Cultural Heritage Preservation Act of Talwan as a new legal subject entitled 'Cultural Landscape'. Unlike strictly protected areas, the Cultural Landscape emphasizes the interaction of local people and the land. However, most legally designated cultural landscapes focus on the preservation of historical architecture, and few employ a community-based approach benefitting both local people and their living landscapes. There was also a lack of exemplary cases of collaborative governance for the maintenance of socio-ecological production landscapes in the ading rural areas of Talwan.

In order to help governmental authorities and local communities to apply this new instrument, a community-based participatory process was introduced in 2011 to enhance partnership among stakeholders in a rice paddy landscape in the indigenous Fengnan Village of Hualien County. Through Intense communication, stakeholders jointly set up a Local Management Committee and designated the slie as a Cultural Landscape in 2012. They developed a mid-term Cultural Landscape Management Plan in 2013, and have since continued the stakeholder forums. These experiences have shown that a landscape approach based on the idea of the Satoyama initiative and the IUCN protected area category V [protected landscapes] can be welcomed by local people and add a new dimension to Talwan's national protected area system.

Based on this example of multi-stakeholder Cultural Landscape management, this project aims to analyse the processes and outcomes of tailoring Satoyama initiative concepts to national and local contexts, and to help continue the stakeholder forums for the revitalization of socio-ecological production landscapes in the model area. The project has two objectives:

- To explore to what extent the Satoyama Initiative framework can fit into the management plan of the rural cultural landscape
- b) To explore what contribution a collaborative planning approach can make to reach consensus among different stakeholders in planning and management of socio-ecological-production landscapes

Through these considerations, this project will seek to develop a feasible way of enhancing the government-facilitator-community interaction for the revitalization of the socio-ecological production landscapes.

Description of project activities

This project has two key activities:

a) Policy Research

The project will explore a landscape and participatory approach to incorporating the three-fold approach of the Satoyama initiative into Cultural Landscape designation and management under the 2005 amendment of the Cultural Heritage Preservation Act of Talwan. The project will analyse the processes and outcomes of the activities conducted in 2011–2015 to tallor Satoyama initiative concepts to national and local contexts. The proposed project aims to create a new 'living landscape' type of protected area, equivalent to IUCN category V, through a collaborative planning process.

b) On-the-Ground Activities

An indigenous Amis tribe, Cihalaay, of Fengnan village and the surrounding production landscape in eastern rural Talwan is chosen as the case study area. Various formal and informal forums have been conducted from 2011 to 2014 to achieve consensus on the Codes of Conduct and the Management Plan of the rice paddy Cultural Landscape. The project aims to help continue the stakeholder forums and local actions for landscape revitalization in 2015. Seasonal formal stakeholder partnership platform meetings will be facilitated by the research team in the village to help stakeholders implement tasks and review the progress of the Management Plan in 2013-2015.

Expected outcomes

19

The project is expected to distil lessons on tailoring the three-fold approach of the Satoyama initiative to a national planning system, and on incorporating the framework into the designation of rural Cultural Landscapes and their Management Plan under the 2005 amendment of the Cultural Heritage Preservation Act of Talwan. The project is also expected to propose a collaborative framework for local stakeholder participation. The theoretical concepts, steps of actions, analysis of processes and evaluation of outcomes for stakeholder participation in the planning and management of the case study area will be presented. Key elements of the framework include: steps of participatory planning, mutually beneficial linkages between local communities and local authorities with the heip of facilitators, principies for design and operation of a stakeholder partnership platform, and a structure of a SEPL Management Plan.







Satoyama Initiative Thematic Review vol. 2

Chapter 5

National Dong-Hwa University

Tailoring the Satoyama Initiative concepts to the national and local context: a case study of the collaborative planning process of a rice paddy cultural landscape in an indigenous community, Taiwan

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Abstract

The idea of landscape/seascape conservation was introduced into the amended Cultural Heritage Preservation Act in 2005 as a new legal subject entitled a "Cultural Landscape" in Taiwan. Unlike traditional strictly protected areas, namely the IUCN protected area categories I-IV, the Cultural Landscape is a new concept to Taiwan that emphasises the interaction of local people and the land. In order to help stakeholders of governmental authorities and local communities to apply this new instrument, the research team employed a community-based participatory approach to enhancing partnership among them. The research has especially learnt from the "three-fold approach" of the Satoyama Initiative, as well as the operational guidelines of IUCN protected area category V (protected landscapes/seascapes). A study area of rice paddy production landscape in the indigenous Fengnan village, Hualien County, was selected as a potential Cultural Landscape site. Two-year participatory action research from May 2011 to June 2013 was conducted by the researchers drawing on collaborative planning theory and qualitative methods to analyse interactions and enhance partnerships among the villagers, the local authority officers and experts. Various formal and informal forums and workshops were conducted in the local area to achieve stakeholder consensus on the designation of the Cultural Landscape and the formulation of its management plan. This case study shows that a landscape approach can be welcomed by local people and create a new style of a "living" protected landscape in Taiwan's national protected area system.

Keywords: Socio-ecological production landscape; Satoyama Initiative; Multi-stakeholder forum; Collaborative planning; Cultural landscape;

1. Introduction

Ever since the Satoyama Initiative (UNU-IAS 2010a, 2010b, Morimoto 2011) was introduced to Taiwan in late 2010, it has been received with great popularity by the government and the general public. Practices that engage in conservation and revitalisation of socio-ecological production landscapes (SEPLs) in compliance with the goals of Satoyama Initiative

Mainstreaming concepts and approaches of socio-ecological production landscapes and seascapes into policy and decision-making



The SDM Secretariat announced a call for proposals for the SDM 2016 in May 2016. By the deadline for

applications (July 2016), the Secretariat had received a total of 22 applications, of which 19 were confirmed eligible

to SDM.

List of recipients for the SDM 2016

•					
Applicant	Project type	Country	Project title	Region	Funding
Community Based Environmental Conservation (COBEC) (NGO/CBO)	Community/field- based project implementation	Kenya	Strengthening Community Participation in Biodiversity Conservation through Benefit Sharing and Capacity Building	Africa	US\$ 10,000
A Rocha Ghana (NGO/CBO)	Community/field- based project implementation	Ghana	Mangrove restoration to improve socioecological production landscapes and seascapes for fisheries recovery at the Muni Pomadze Ramsar Site	Africa	US\$ 10,000
Japan Environmental Education Forum (JEEF) (NGO/CBO)	Community/field- based project implementation	Bangladesh	Project for conserving Bangladesh Sundarbans SAYATOMA and developing its showcase through creating action plan and ensuring the sustainable use of natural resources by promoting mangrove restoration, traditional culture and skill of mangrove's shrimp	Asia	US\$ 10,000
M. S. Swaminathan Research Foundation (Research institute)	Research activities	India	Problems and 'prospects' of SEPLS' conservation for alternate benefits –A research case study from the Western Ghats	Asia	US\$ 9,900
DVL Germany	Activities to facilitate cooperation among IPSI members	Europe	Preparing the conservation and development of cultural landscapes on a European level	Europe	US\$ 10,000
National Dong- Hwa University (Research institute)	Activities to facilitate cooperation among IRSDHU members	Chinese Taipei (Taiwan) 'S Collab	Facilitating the Development of a Taiwan Partnership for the Satoyama Initiative (TPSI) Orative activity about TPSI	Asia develoj	US\$ 10,000 D Ment