

Introduction



Planning

Spatial land-use planning

Local participation

Rights and regulations

Clarifying property rights

Policies and regulations

Information and incentives

Building awareness

Payments for ecosystem services

Monitoring

Conclusions

References and recommended reading

Acknowledgements

References

The Future of Sustainable Cleaning Products

The governance of ecosystem services from tropical upland watersheds

Louis Lebel  , Rajesh Daniel

Unit for Social and Environmental Research, Faculty of Social Sciences, Chiang Mai University, Chiang Mai 50200, Thailand

<http://dx.doi.org/10.1016/j.cosust.2009.07.008>, How to Cite or Link Using DOI

 [Permissions & Reprints](#)

[View full text](#)



Purchase \$31.50

Upland watersheds in the tropics provide a range of crucial ecosystem goods and services. How they are governed can be crucial to human well-being and environmental sustainability. Communities, governments and firms have taken many different approaches to sharing these benefits, negotiating trade-offs between them, and allocating the risks and burdens if services are degraded or lost. This review of policies and projects draws four initial conclusions: (1) multi-stakeholder planning improves the assessment of underappreciated services and users, but does not eliminate importance of power relations; (2) regulations invariably create winners and losers with outcomes that often depend on pre-existing institutions; (3) information and incentives can change behaviours and are therefore important complement to plans and regulations; (4) monitoring is the least well developed area of governance. Many challenges in integrating ecological and social understanding remain.