

# PLANTS

#### October 2014

TRAFFIC strives to create a sustainable future for medicinal and aromatic plants and the people and healthcare practices that depend on them, through developing tools for better management of harvest and trade.



TRAFFIC, the wildlife trade monitoring network, is the leading non-governmental organization working globally on trade in wild animals and plants in the context of both biodiversity conservation and sustainable development. It is a strategic alliance of WWF and IUCN.

TRAFFIC was established in 1976 and has developed into a global network, research-driven and actionoriented, committed to delivering innovative and practical conservation solutions based on the latest information

#### **MISSION STATEMENT**

TRAFFIC, the wildlife trade monitoring network, works to ensure that trade in wild plants and animals is not a threat to the conservation of nature.

#### **TRAFFIC'S VISION**

TRAFFIC's vision is of a world in which trade in wild plants and animals is managed at sustainable levels without damaging the integrity of ecological systems and in such a manner that it makes a significant contribution to human needs, supports local and national economies and helps to motivate commitments to the conservation of wild species and their habitats.

To receive printed copies of these and other reports, please contact

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Last updated October 2014

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TRAFFIC is grateful for support from the Rufford Foundation in the preparation of this catalogue







### **REPORTS**

#### Traditional and Wild: Revitalizing Traditions of Sustainable Wild Plant Harvesting in Central Europe

www.traffic.org/species-reports/traffic\_species\_plants25.pdf Kristina Rodina, Anastasiya Timoshyna, Andreja Smolej, Darijan Krpan, Elena Zupanc, Éva Németh, Gabriela Ruzickova, Gergö Gáspár, József Szántai, Malgorzta Draganik, Péter Radácsi, Stanislav Novák, Szilárd Szegedi 2014. 38pp. ISBN 978 1 85850 362 2 Published by:

TRAFFIC and WWF Hungary This report collates and presents evaluation of the results of the *Traditional and Wild* project, which ended on 30 April 2014, drawing to a close three years' involvement for TRAFFIC and partners in this Central European project whose specific objective was to implement a pilot model that is socially and culturally acceptable, economically-sound and environmentally viable for the collection of wild plants, their processing and use. The report was disseminated during the project's final event in Budapest. The report is also available in Polish, Slovene, Czech and Hungarian languages,

#### CITES Non-detriment Findings Guidance for Perennial Plants. A nine-step process to support CITES Scientific Authorities making science-based non-detriment findings (NDFs) for species listed in CITES Appendix II. Version 1.0.

http://www.cites.org/sites/default/files/common/com/pc/21/E-PC21-Inf-01.pdf

http://www.dnl-online.de

D.J. Leaman, T.E.E. Oldfield Published by: Bundesamt für Naturschutz (BfN)

These guidelines are aimed at helping government authorities decide, with respect to perennial plants, whether Non-detriment findings (NDFs) can be issued so that export permits can be granted to allow trade to proceed for species listed under CITES.



www.traffic.org/species-reports/traffic\_species\_plants24.pdf Edited by: K. Rodina

2013. 28pp. Published by:

TRAFFIC and WWF, Budapest, Hungary This booklet is developed within the Project "Promoting traditional collection and use of wild plants to reduce social and economic disparities in Central Europe" (Traditional and Wild) implemented through the Central Europe Programme co-financed by the European Regional Development Fund (ERDF).

#### Background Document: Trainings on Plant Collection and Utilization Activities, Building up Entrepreneurial Skills and Employment Opportunities for Local Population in Central Europe.

(PDF)

www.traffic.org/species-reports/traffic\_species\_plants23.pdf http://traditionalandwild.eu/en/

> Edited by: K. Rodina January 2013. 83pp.

Compiled by: TRAFFIC, WWF Hungary This document is developed within the Project "Promoting traditional collection and use of wild plants to reduce social and economic disparities in Central Europe" (Traditional and Wild) implemented through the Central Europe Programme co-financed by the European Regional Development Fund (ERDF).

## Wood for the Trees: a Review of the Agarwood (*Gaharu*) Trade in Malaysia

(PDF, 1.2 MB)

www.traffic.org/species-reports/traffic\_species\_plants15.pdf Lim Teck Wyn, Noorainie Awang Anak October 2010. 116pp. ISBN 9789833393268 Published by: TRAFFIC Southeast Asia

Increase in demand appears to have led to diminishing supplies of agarwood, leading to concerns over the future supplies of the commodity.

A report commissioned by the CITES Secretariat.

The State of Wildlife

国野生动植物贸易状况

in China





What's Driving the Wildlife Trade?

A Review of Expert Opinion on Economic and Social Drivers of the Wildlife Trade and Trade Control Efforts in Cambodia, Indonesia, Lao PDR, and Vietnam

### The Trade and Use of Agarwood (*Oudh*) in the United Arab Emirates

(710KB)

www.traffic.org/species-reports/traffic\_species\_plants16.pdf

Marina Antonopoulou, James Compton, Lisa S. Perry, Razan Al-Mubarak October 2010. 55pp. ISBN 978 9 83339 326 8 Published by: TRAFFIC Southeast Asia

Known in Arabic as *oudh*, agarwood is an important part of life in the UAE for Emiratis as well as Arabic culture in general.

A report commissioned by the CITES Secretariat.

#### Wild for a Cure: Ground-Truthing a Standard for Sustainable Management of Wild Plants in the Field

(PDF, 700 KB)

http://www.traffic.org/species-reports/traffic\_species\_plants14.pdf Compiled by: Wolfgang Kathe, Britta Pätzold, Danna Leaman, Anastasiya Timoshyna, David Newton, Eanghourt Khou, Giridhar Kinhal, Indu Bikal Sapkota, Mohd. Khalid Sayeed Pasha, Nouhou Ndam, Roland Melisch, Sladjana Bundalo, Susanne Honnef, Thomas Osborn, Ximena Buitrön, Xueyan Liu August 2010. 44pp. ISBN 978 1 85850 241 0 Published by: TRAFFIC International

This report presents a description of the project "Saving Plants that Save Lives and Livelihoods", implemented by TRAFFIC and its partners WWF, IUCN and others, which addresses a growing demand from the industry, governments, certification bodies, resource managers and donor agencies for specific guidance on sustainable wild plant collection practices.

#### The State of Wildlife Trade in China: Information on the Trade in Wild Animals and Plants in China 2008

(PDF, 2.5 MB).

http://www.traffic.org/general-reports/State-of-Wildlife-Trade-Report-2008.pdf Edited by: Xu Hongfa, James Compton. Editors and Compilers: Priscilla Jiao, Richard Thomas 2010. 35pp. Published by: TRAFFIC East Asia China Third annual report in a series on emerging trends in China's wildlife trade that aims to highlight wildlife trade trends in threated and at-risk wildlife, with an emphasis on the impact of China's trade on globally important biodiversity "hotspots".

#### Understanding the Motivations: the First Step Toward Influencing China's Unsustainable Wildlife Consumption (PDE 1.7MB)

http://www.traffic.org/medicinal-reports/traffic\_pub\_gen33.pdf Anon. 2010. 55pp.

Published by: TRAFFIC East Asia A report focused mainly on animals, but containing a box on consumers' attitudes towards wild medicinal plant use.

#### What's Driving the Wildlife Trade? A Review of Expert Opinion on Economic and Social Drivers of the Wildlife Trade and Trade Control Efforts in Cambodia, Indonesia, Lao PDR and Vietnam

(3.0 MB)

http://www.traffic.org/general-reports/traffic\_pub\_gen24.pdf (Executive summary 550 Kb)

http://www.traffic.org/general-reports/traffic\_pub\_gen24\_executive summary.pdf

http://www.worldbank.org/eapenvironment

TRAFFIC International October 2008. 103pp. Published by: East Asia and Pacific Region Sustainable Development Department, World Bank, Wahington, DC.

This study aimed to generate findings and recommendations that would be useful to governments, non-governmental organizations, donors and others in considering how interventions to reduce illegal and/ or unsustainable wildlife trade might be applied more effectively in future.

East Asia and Pacific Region Sustainable Development Discussion Papers.

#### An Overview of the Use of Plants and Animals in Traditional Medicine Systems in Viet Nam

(1.2 MB)

http://www.traffic.org/medicinal-reportstraffic\_pub\_medicinal4.pdf *Compiled by:* 

Nguyen Dao Ngoc Van and Nguyen Tap.



#### 2008. 92рр.

Published by: TRAFFIC Southeast Asia, A study using formal and informal interviews, casual observations and questionnaires into the use of flora and fauna in traditional medicine in Viet Nam.

#### An Overview of the Use and Trade of Plants and Animals in Traditional Medicine Systems in Cambodia

(4.7 MB)

http://www.traffic.org/medicinal-reports/traffic\_pub\_medicinal3.pdf David Ashwell, Naomi Walston.

2008 108pp.

Published by: TRAFFIC Southeast Asia,

This comprises two reports. The first examines the use of wildlife and plants in Traditional Khmer Medicine (TKM), whilst the second focuses entirely on the medicinal plant trade in Cambodia.

#### Trading Nature: the Contribution of Wildlife Trade Management to Sustainable Livelihoods and the Millennium Development Goals

(3.1 MB)

http://www.traffic.org/general-reports/traffic\_pub\_gen19.pdf

Compiled by: Dilys Roe 2008. 84pp. ISBN: 978 1 85850 237 3. Published by: TRAFFIC International and WWF International.

A report, with case studies, on the contribution of wildlife trade management to sustainable livelihoods and the Millennium Development Goals.

#### Review of the Status, Harvest, Trade and Management of Seven Asian CITES-listed Medicinal and Aromatic Plant Species

(1.7 MB)

http://www.bfn.de/fileadmin/MDB/documents/service/skript227.pdf

Teresa Mulliken, Petra Crofton December 2008. 142pp. Published by: Bundesamt für Naturschutz (BfN) Federal Agency for Nature Conservation,

Konstantinstrasse 110, 53179 Bonn, Germany The study was led by TRAFFIC, working with the Species Programme of IUCN. Research support was provided by TRAFFIC offices in EastAsia and SoutheastAsia, IUCN offices in Nepal and Pakistan, and independent consultants.

#### Resource Science of Chinese Medicinal Materials: Protection and Sustainable Use of Chinese Medicinal Material Resources

2007. 397pp ISBN 978 7 54393 374 3 Edition: Chinese with English preface Published by: TRAFFIC East Asia

This report examines the conservation and sustainable use of the animal and plant species found in the Chinese *materia medica* and is aimed at raising awareness amongst teachers and students on how best to protect threatened species used in traditional Chinese medicine.

For a hard copy please contact TRAFFIC's office in EastAsia

#### Trade and Conservation of Taxus in China

(2.4 MB) http://www.traffic-reports/traffic\_pub\_forestry13.pdf

2007. 94pp Edition: Chinese with English summary Published by: TRAFFIC East Asia-China Programme

#### For a hard copy please contact TRAFFIC East Asia

### A Review of the Trade in *Aloe ferox*, with a Focus on the Role of the European Union

(212 KB)

http://www.traffic.org/species-reports/traffic\_species\_plants1.pdf

Amélie Knapp. August 2006. 28pp. ISBN 296005 055 X ISBN 978 296005 055 4. Published by: TRAFFIC Europe

The aim of this study is to describe and quantify the international trade in *A. ferox* since 1994, with a particular focus on the role of the European Union (EU). Trade data analysis carried out in this study aims to support the efforts of the relevant authorities in EU Member States in assessing their current importing and re-exporting practices in the EU.

#### Traditional Asian Medicine Identification Guide for Law Enforcers: Version II

(PDF, 5.5 MB)

http://www.traffic.org/medicinal-reportstraffic\_pub\_medicinal5.pdf

Stephanie Pendry, Crawford Allan, Joyce Wu and Grant Cameron. 322pp. Published by: HM Customs & Excise, London

and TRAFFIC International

A guide to assist enforcers to determine which medicines and ingredients are legal or illegal.

#### Certifying Certification: Can Certification Secure a Sustainable Future for Medicinal Plants, Harvesters and Consumers in India?

(3.1 MB)

http://www.traffic.org/medicinal-reports/traffic\_pub\_medicinal2.pdf Pushp Jain.

August 2004. 28pp. ISBN 1 85850 206 3. ISBN 978 1 85850 206 9 Published by: TRAFFIC International

#### TRAFFIC Online Report Series No.9.

#### Chinese Medicinal Wildlife Resources Conservation and Sustainable Use

Edited by: Xu Hongfa, TRAFFIC East Asia Jiang Zhigang, Chinese Academy of Sciences. October 2003. 179pp. Published by: East China Normal University Publishing House.

#### For a hard copy please contact TRAFFIC East Asia

#### Medicinal and Aromatic Plants in Albania, Bosnia-Herzegovina, Bulgaria, Croatia and Romania. BfN–Skripten 91

Download: www.bfn.de/09/090203.htm

Wolfgang Kathe, Susanne Honnef, Andreas Heym. 2003. 200pp.

Published by: Bundesamt für Naturschutz (BfN) A study carried out by: WWF Deutschland and TRAFFIC Europe–Germany

On behalf of the German Federal Agency for Nature Conservation (BfN), Bonn and Vilm.



A study of the collection of and trade in medicinal and aromatic plants (MAPs), relevant legislation and the potential of MAP use for financing nature conservation and protected areas. This was carried out by WWF Deutschland and TRAFFIC Europe-Germany on behalf of the German Federal Agency for Nature Conservation (BfN), Bonn and Vilm.

Order from: International Academy for Nature Conservation, Isle of Vilm, 18581 Lauterbach, Germany.

#### A Question of Attitude: South Korea's Traditional Medicine Practitioners and Wildlife Conservation

(990 KB)

http://www.traffic.org/general-reports/traffic\_pub\_gen2.pdf Sue Kang, Marcus J. Phipps. June 2003. 58pp. ISBN 9 62861 975 6 ISBN 978 9 62861 975 7 Published by: TRAFFIC East Asia With support from WWF-US, the Association of Korean Oriental Medicine (AKOM), the Ministry of Health and Welfare, and the Korea Oriental Drug Association (KODA),

TRAFFIC East Asia undertook a postal survey of South Korea's traditional medicine practitioners.

#### The Final Frontier: Towards Sustainable Management of Papua New Guinea's Agarwood Resource

(664 KB)

http://www.traffic.org/forestry-reports/traffic\_pub\_forestry11.pdf Frank Zich, James Compton 2001. 11pp. Published by: TRAFFIC Oceania in conjunction with WWF South Pacific Programme.

The island of New Guinea is the known eastern extreme of the agarwood-producing species' range, and could also be the world's last frontier for substantial wild agarwood stocks. But even New Guinea's agarwood faces the threat of unprecedented levels of harvest and trade that have expanded over the past five years.

Plantas Medicinales de Brasil: Aspectos Generales Sobre Legislación y Comercio (Plantas Medicinais Do Brasil: Aspectos Gerais Sobre Legislação E Comércio)

#### (560 KB)

http://www.traffic.org/species-reports/traffic\_species\_plants4.pdf Suelma Ribeiro Silva, Ximena Buitrón, Lúcia Helena de Oliveira, Marcus Vinícius, M. Martins. December 2001. 44pp plus annexes. ISBN 9 97841 625 0 ISBN 978 9 97841 625 9 Edition: Portuguese & Spanish in one volume Published by: TRAFFIC South America

#### Making a Killing or Making a Living? Wildlife Trade, Trade Controls and Rural Livelihoods.

(Executive summary, 52 KB)

http://www.traffic.org/general-reports/traffic\_pub\_trade4.pdf

Dilys Roe, Teresa Mulliken, Simon Milledge, Josephine Mremi, Simon Mosha, Maryanne Grieg-Gran. March 2002 114pp. ISBN 1 84369 215 5 ISBN 978 1 84369 215 7. Published by: IIED and TRAFFIC International.

Many rural households in developing countries depend heavily on wildlife resources, both plants and animals, for subsistence purposes and income generation.

#### Biodiversity and Livelihoods Issue No.6

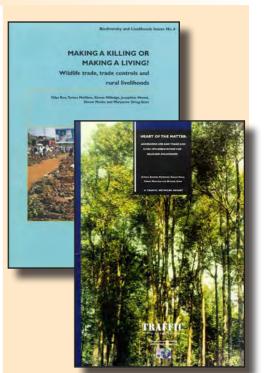
Copies of this report are available from: Earthprint, email: orders@earthprint.com

#### Regulation of Collection, Transit and Trade of Medicinal Plants and other Non-Timber Forest Products in India. A Compendium

Ashok K. Jain. October 2000. 529pp. Published by: TRAFFIC India and WWF-India Out of print

### CITES Listed Medicinal Plants of India: An Identification Manual

(Scanned PDF - warning 22.3 MB) http://www.traffic.org/species-reports/traffic\_species\_plants11.pdf *Ritwick Dutta Pushp Jain. October 2000. 85pp. Published by: TRAFFIC India and WWF-India.* 







### Cultivation of Medicinal Plants in India: A Reference Book

Dr Ramesh Chandra Uniyal, Dr Maya Ram Uniyal Pushp Jain. September 2000. 161pp. Published by: TRAFFIC India and WWF- India.

#### Spiral bound photocopy only (136)

#### Heart of the Matter: Agarwood Use and Trade and CITES Implementation for Aquilaria malaccensis

(524 KB)

http://www.traffic.org/forestry-reports/traffic\_pub\_forestry7.pdf

Angela Barden, Noorainie Awang Anak, Teresa Mulliken, Michael Song. August 2000. 52pp. ISBN 1 85850 177 6 ISBN 978 1 85850 177 2 Published by: TRAFFIC International

TRAFFIC was contracted by the CITES Plants Committee to review the implementation of the CITES listing for *Aquilaria malaccensis* during the 1998-2000 triennium. TRAFFIC's research initially focused specifically on CITES implementation.but the research was then broadened to encompass a more general review of agarwood use and trade.

#### Europe's Medicinal and Aromatic Plants: Their Use, Trade and Conservation

Executive summary (172 KB) http://www.traffic.org/species-reports/traffic\_species\_plants3.pdf

Dagmar Lange. June 1998. 77pp. ISBN 1 85850 144 X. ISBN 978 1 85850 144 4. Published by: TRAFFIC International

This report reviews European trade and documents the results of in-depth studies in eight countries: Albania, Bulgaria, France, Hungary, Spain, Turkey and the UK. It identifies 150 species that could be at risk in one of several countries from over-collection in the wild.

#### Species in Danger Series

#### American Ginseng: The Root of North America's Medicinal Herb Trade

Executive summary (88 KB) http://www.traffic.org/species-reports/traffic\_species\_plants2.pdf Christopher S. Robbins. May 1998. 94pp. Published by: TRAFFIC North America This report examines the harvest, trade, conservation status, and management of P. guinguefolius in North America.

Contact: TRAFFIC North America

#### A World Apart? Attitudes Toward Traditional Chinese Medicine and Endangered Species in Hong Kong and the United States

Summary (360 KB)

http://www.traffic.org/general-reports/traffic\_pub\_gen3.pdf

Samuel Lee, Craig Hoover, Andrea Gaski, Judy Mills. 1998. 80pp. ISBN 0 89161 156 8. ISBN 978 0 89161 156 1 Published by: TRAFFIC East Asia, TRAFFIC North America and WWF-US

This report presents the results of in-depth research into the attitudes of consumers on opposite sides of the Pacific Ocean

#### Searching for a Cure: Conservation of Medicinal Wildlife Resources in East and Southern Africa

(scanned PDF: 10.2 MB) http://www.traffic.org/general-reports/traffic\_pub\_gen46.pdf

Nina T. Marshall. September 1998. 112pp. ISBN 1 85850 151 2. ISBN 978 1 85850 151 2 Contact: TRAFFIC North America

This report presents the results of an 18-month study of the trade in medicinal plants and animals in 17 countries. It identifies 102 medicinal plant species and 29 animal species as priorities for conservation, management or research. It also includes a wide range of general recommendations.

Species in Danger series.

Untersuchung der Gefährdung von Pflanzenarten durch den internationalen Heilpflanzenhandel mit Indien unter besonderer Berücksichtigung des Handels zwischen Indien und Deutschland (Investigation on the threats towards plants species caused by the international medicinal plant trade with India, with a special reference towards the trade between Germany and India.)

Dagmar Lange. 1996. 103 pp + appendices. Edition: German Published by: TRAFFIC Europe

### South Africa's *Aloe Ferox* Plant, Parts and Derivatives Industry

(Scanned PDF, 2.6 MB)

http://www.traffic.org/species-reports/traffic\_species\_plants9.pdf David J. Newton Hugo Vaughan. November 1996. 61pp. ISBN 0 95840 253 1 ISBN 978 0 95840 253 8 Published by:

TRAFFIC East/Southern Africa The A. ferox plant propagation and derivatives industry in South Africa is large and represents a means of income for many people, from farm workers to nurserymen and import/export agents. This report gives an indication of the degree of accuracy or variability of

#### Trade in Agarwood

(Scanned PDF, 1.7 MB) http://www.traffic.org/forestry-reports/traffic\_pub\_forestry20.pdf Kalyan Chakrabarty, Ashok Kumar, Vivek Menon. August 1994. 51pp. Published by:

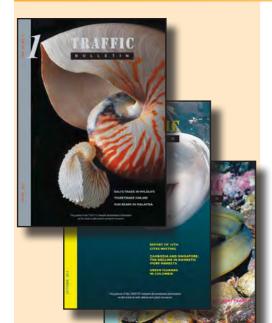
perceptions of the trade within the industry.

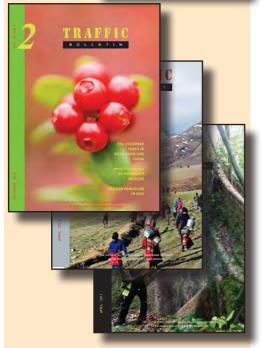
TRAFFIC India and WWF India

This report takes a close look at the distribution of the species in various states of India, its legal status, recorded qualities in trade, quantities exported to various countries, problems of conservation of the species and the control of the trade.

#### Prescription for Extinction: Endangered Species and Patented Oriental Medicines in Trade

(Scanned PDF, 8.8. MB) http://www.traffic.org/medicinal-reports/traffic\_pub\_medicinal7.pdf Andrea L. Gaski, Kurt A. Johnson. May 1994. 300pp.





Published by: TRAFFIC North America The product of extensive research initiated in the late 1980s, this report is an important reference work on patented Oriental medicines and an analysis of their use of endangered and threatened wildlife.

Species in Danger report.

#### The Gardener's Guide to Plant Conservation

Nina T. Marshall. 1993. 187pp. Published by: TRAFFIC North America

Contact: TRAFFIC North America

#### The Wild Plant Trade in Europe

(Scanned PDF, 2.7 MB) http://www.traffic.org/species-reports/traffic\_species\_plants12.pdf *Compiled & Edited by: Martin Jenkins Contributions from: Blaise Du Puy, Maurizio Sajeva, Andrea Cattabriga October 1993. 67pp. Published by: TRAFFIC Europe* Results of a TRAFFIC Europe Survey of European Nurseries

#### Medicinal Plants and Plant Extracts: A Review of their Importation into Europe (Scanned PDE, 1.882 KB)

http://www.traffic.org/species-reports/traffic\_species\_plants18

Anna Lewington May 1993. 37pp. ISBN 0 94761 399 4 ISBN 978 0 94761 399 0. Published by: TRAFFIC International

An overview of the pharmaceutical trade in wild plant material and recommendations for future conservation action.

#### Species in Danger Series

#### Wild Plants in Trade

(Scanned PDF, 1.5 MB) http://www.traffic.org/species-reports/traffic\_species\_plants7.pdf *Martin Jenkins, Sara Oldfield.* 1992. 36pp. ISBN 0 947613 89 7

Published by: TRAFFIC International

The aims of this report were to assess the trade in selected wild-collected plant species in Europe in order to improve controls and to increase the general

awareness of plant trade issues among government authorities and the general public.

#### Species in Danger Series

#### Medicine from the Wild: An Overview of the U.S. Native Medicinal Plant Trade and its Conservation Implications

(Scanned PDF, 1.1 MB) http://www.traffic.org/medicinal-reports/traffic\_pub\_medicinal10.pdf Douglas O. Fuller. 1991. 28pp. Published by: TRAFFIC North America This report presents the results and conclusions of a study of the state of the US herb trade.

### **JOURNALS AND ARTICLES**

#### **TRAFFIC BULLETIN**

#### Vol.26, No.1 (April 2014)

(2 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_26\_1.pdf Medicinal and aromatic plants: conserving biodiversity and sustaining livelihoods in the North-Western Ghats, India, and in north Viet Nam

Chocolate, chambira and chuncho - economic alternatives to wild meat: Cocoa harvesting and other sustainable initiatives provide conservation incentives for the Waorani communities in the Ecuadorian Amazon

Greening traditional Chinese medicine industry supply chains in China

Going wild in Central Europe

#### Vol.25, No.2 (October 2013)

(2 MB)

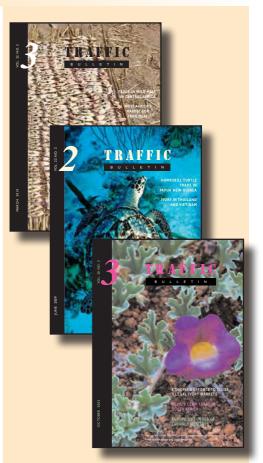
http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_25\_2.pdf Piloting FairWild - certification of Frankincense in Kenya

CITES CoP16: Timber species discussion

#### Vol.25, No.1 (April 2013)

(1.8 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_25\_1.pdf Medicinal and aromatic plants of Morocco - national strategy puts FairWild into action.



Taking action on sustainable wild harvesting: building relationships, changing markets

Traditional and Wild: establishing sustainable collection of wild plants

Sustainable use of wild plants: CBD CoP11 global framework to national implementation

#### Vol.24, No.2 (October 2012)

(1.9 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_24\_2.pdf Pukka Herbs launch the UK's first FairWild-labelled product.

TRAFFIC pilots medicinal and aromatic plants sustainable harvesting project in Viet Nam.

Non-timber forest products from Russian Far East: Conservation of Korean Pine Forest, Livelihoods,



#### Tiger habitats

Sustainable management of Pelargonium sidoides in South Africa and Lesotho

#### Vol.24, No.1 (April 2012)

#### (3.3MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_24\_1.pdf Towards sustainable livelihoods from wild medicinal resources: economic aspects of harvesting and trade in the Chinese Caterpillar Fungus **Ophiocordyceps sinenis** and Southern Schisandra **Schisandra sphenanthera** in China's Upper Yangtze ecoregion.

Reviving the tradition of sustainable collection of wild plants in Central Europe.

#### Vol.23, No.2 (April 2011)

#### (750 KB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_23\_2.pdf Asparagus spp. in traditional Chinese medicine wild collection and its sustainability.

Beyond trials: an update on TRAFFIC projects implementing FairWild.

#### Vol.22, No.3 (April 2010)

(2.8 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_22\_3.pdf Application of ISSC-MAP for Cambodian Plants.

#### Vol.22, No.2 (June 2009)

#### (2.5 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_22\_2.pdf Fair and sustainable future for wild plants: ISSC-MAP merges with FairWild Foundation. pp53.

Progress on FairWild Implementation projects. pp55

#### Vol.21, No.1 (July 2006)

(1.6 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_21\_1.pdf Sustainable use of non-wood forest products

International standard for sustainable collection of medicinal plants

#### Vol.20, No.3 (December 2005)

(3.3 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_20\_3.pdf Devil's Claw trade in South Africa

#### Vol.20, No.2 (February 2005)

(1.7 MB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_20\_2.pdf Market trends for American Ginseng

#### Vol.18, No.1 (September 1999)

(1.6 MB)

 $\label{eq:http://www.traffic.org/traffic-bulletin/traffic_pub_bulletin_18\_1.pdf South Africa's woodcarving industry$ 

Wildlife trade in Yunnan Province, China, at the border with Viet Nam

Pilot study of the traditional medicine trade in Nigeria

#### Vol.17, No.2 , (June 1998)

(228 KB)

http://www.traffic.org/traffic-bulletin/traffic\_pub\_bulletin\_17\_2.pdf Examination of the US pitcher-plant trade with a focus on the White-topped Pitcher-plant

### TRAFFIC DISPATCHES

#### No.21, November 2003

(PDF, 670 KB) Traditional medicine practitioners in South Korea

Medicinal plants in the Balkans

Medicinal plants certification in India.

#### No.19, March 2002

(PDF, 1.1 MB) Medicinal plants in Brazil

Identification guide to Traditional Asian Medicine

#### No.16, March 2001

(PDF, 420 KB) South Pacific medicinal plants exposed to bioprospecting

Medicinal plant news

#### **INFO TRAFFIC**

(French-language newsletter)

#### Info TRAFFIC 6, September 2006.

Plantes aromatiques et médicinales.

Institutional needs for Sustainable Non-Wood forest product sector in South-East Europe

# TRAFFIC ARTICLES IN OTHER JOURNALS

#### FORUM, No.43 (2014)

Nachhaltige Wildsammlung von Heilpflanzen in Bereich des Bialowieza-Urwalds.

An article by: Josef Brinckmann, Bryony Morgan

Submitted to *Forum*, a magazine for essential oil manufacturers

#### Etfrn News: Issue no.54, (December 2012)

http://www.etfm.org/publications/ Good Business: Making Private Investments Work for Tropical Forests.

Linking a wild medicinal plant cooperative to socially responsible companies.

Josef Brinckmann, Bryony Morgan

#### SULiNews 2 (August 2012)

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#### BGjournal 9(2) (July 2012)

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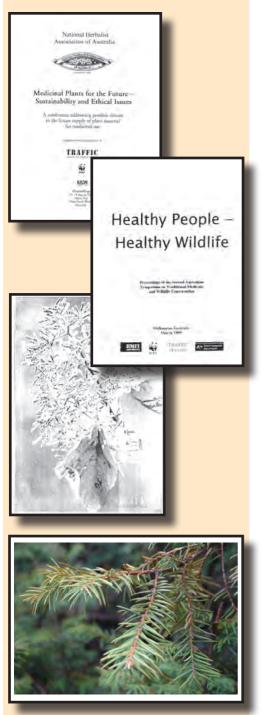
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#### Square Brackets [3:8 2010]

Global Strategy for Plant Conservation and Private Sector Engagement

Article in the newsletter for civil society issued by the CBD Secretariat and CBD Alliance.





### PROCEEDINGS AND WORKSHOPS

### **Resource Assessment of Wild Garlic** (Allium ursinum L.)

Đurić Branko, Ratković Slađana, Timoshyna Anastasiya. 2012.

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#### Sustainability in MAP Sector Development in South-East Europe: Opportunities through FairWild

A. Timoshyna, B. Morgan, K. Rodina 2011.

TRAFFIC's presentation in Redžić, S. (2011).

# Medicinal and Aromatic Plants in the Generating of New Values in the 21st Century.

Book of Abstracts. Special editions, ANUBIH, VOL. CXL. Department of Natural Sciences and Mathematics, Vol.18, Sarajevo, pp.179-180

Available at http://www.map-sarajevo.com/

#### Enabling Sustainable Management of Non-Wood Forest Products in South East Europe with a Special Focus on Medicinal and Aromatic Plants

September 2011. 63pp. Compiled by: Kristina Rodina, Anastasiya Timoshyna Published by: TRAFFIC International and FAO

Proccedings of a workshop at German Federal Agency for Nature Conservation, International Academy for Nature Conservation, Isle of Vilm, 21–25 September 2011

Sustainable management of wild plant resource through the application of Fair Wild Standard principles in Bosnia and Herzegovina.

#### 2010. 275pp. Edited by: L. Andrianos, J.W. Sneep, K. Kenanidis ISBN.978-960-86383-6-5

TRAFFIC's presentation in the proceedings of the conference Conservation and Sustainable Use of Wild Plant Diversity 4–10 May, 2010, Crete

#### Available from http://ithe.webs.com/ecobooks.htm

#### Institutional Needs for Sustainable Non-Wood Forest Product Sector in South-East Europe. 10-12 February 2010, Sarajevo, Bosnia and Herzegovina

The outcomes of an expert consultation involving TRAFFIC, to discuss the development of the sustainable Non-Wood Forest Products (NWFP) sector in South-Eastern Europe

The meeting report and other detailed information on the expert consultation is available at:

http://www.fao.org/regional/seur/events/Sarajevo/ sarajevo\_en.htm

#### Proceedings of the CITES Agarwood Experts Group Meeting, Malaysia, 14–17 November 2006

(550 KB).

http://www.traffic.org/forestry-reports/traffic\_pub\_forestry15.pdf Edited by:TRAFFIC Southeast Asia 2006. 65 pp.

#### Tagungsband—Proceedings: Medizin und Artenschutz—Herausforderung für Mensch und Natur im neuen Jahrtausend

(Medicinal Utilisation of Wild Species—Challenge for Man and Nature in the New Millenium).

(Scanned PDF, 9.430 KB)

http://www.traffic.org/general-reports/traffic\_pub\_medicinal18

Edited by: Susanne Honnef, Roland Melisch. 2001. 107pp.

Edition: Bilingual German/English

Published by: TRAFFIC Europe-Germany. Symposium, EXPO 2000, Hannover, 13th October 2000.

#### Uso y Comercio Sostenible de Plantas Medicinales en Colombia

(Scanned PDF, 4.7MB)

http://www.traffic.org/species-reports/traffic\_species\_plants17.pdf

Edited by: Adriana Rivera, Ximena Buitrón, Paola Rodríguez. December 2000. 73pp. Edition: Spanish

Published by: TRAFFIC South America Memorias del Seminario - Taller realizado el 18 y 19 de septiembre del 2000, Villa de Leyva – Colombia

#### Medicinal Plants for the Future— Sustainability and Ethical Issues.

(Scanned PDF)

www.traffic.org/medicinal-reports/traffic\_pub\_medicinal11.pdf Edited by: Andrew Pengelly, Anne Cowper. 2000. 116pp. Produced by: National Herbalist Association of Australia Organized with the co-operation of TRAFFIC Oceania, WWF and IUCN.

Proceedings 13 - 14 August 1999, Byron Way, New South Wales, Australia.

A conference addressing possible threats to the future supply of plant material for medicinal use.

#### Sustainable Utilisation of Wildlife Medicinals in East and Southern Africa: A Challenge for Health and Natural Resources Sector 1998, Nairobi, Kenya.

1999. Published by: TRAFFIC East/Southern Africa. Proceedings of a workshop, 2-4 December

Spiral bound photocopy only (83)

#### Ecuador: Uso y Comercio de Plantas Medicinales: Situación Actual y Aspectos Importantes para su Conservación

(Ecuador: Use and Trade of Medicinal Plants: current situation and important aspects for its conservation) (Scanned PDF 7.6 MB)

www.traffic.org/medicinal-reports/traffic\_pub\_medicinal8.pdf

Edited by: Ximena Buitrón. 1999. 101pp. ISBN 9 97840 934 3



#### Social & Ecological Standard for Wild Collection

A fair and sustainable deal for wild-collected ingredients throughout the supply chain



High collection pressure on vulnerable wild species can threaten local ecosystems and the future use of natural resources.



Collectors often belong to the poorest social groups in their region – their livelihoods are at stake.



Implementing FairWild certification assures production in a socially and ecologically sustainable manner.

FairWild Standard and certification scheme includes:

- Resource assessment and management plan
- Sustainable collection practices
- Cost calculation along the supply chain
- Traceability of goods and finances
- Documented fair trading practices



ISBN 978 9 97840 934 3 Edition: Spanish Published by: TRAFFIC International. Proceedings of a workshop 1-3 September 1999, Quito, Ecuador.

### Medicinal Plant Trade in Europe: Conservation and Supply.

(Scanned PDF, 4 MB) http://www.traffic.org/general-reports/traffic\_species\_plants10

> 1999 214pp. Organized by: TRAFFIC Europe In collaboration with WWF, IUCN/SSC Medicinal Plant Specialist Group, Royal Botanic Gardens, Kew.

Proceedings, 22-23 June 1998, Royal Botanic Gardens, Kew, United Kingdom. First International symposium on the conservation of medicinal plants in trade in Europe.

### Proceedings of the Workshop on the Conservation of Medicinal Plants.

(Scanned PDF, 4.03KB)

http://www.traffic.org/general-reports/ttraffic\_species\_plants19 *Compiled by: Sue Kang, Samuel Lee. Edited by: Marcus Phipps, Melanie Pong.* 1999. 51pp. *Edition: English and Korean Published by: TRAFFIC East Asia* 25 November, 1998, Seoul, R.O. Korea

#### Healthy People—Healthy Wildlife: Proceedings of the Second Australian Symposium on Traditional Medicine and Wildlife Conservation

(Scanned PDF, 2.58MB) http://www.traffic.org/species-reports/traffic\_species\_medicinal9 March 1999. 68pp. ISBN 0 64254 644 4. ISBN 978 0 64254 644 9. Published by: Commonwealth of Australia, Melbourne, Australia

#### Healthy People—Healthy Wildlife: Proceedings of the First Symposium on Traditional Medicine and Wildlife Conservation

August 1997. 67pp.

ISBN 0 64254 503 0 ISBN 978 0 64254 503 9 Published by: Commonwealth of Australia, Melbourne, Australia

### FAIRWILD PUBLICATIONS

All available at http://www.fairwild.org

#### FairWild News 3 (December 2013)

(PDF 1.6 MB) 2013

#### FairWild News 2 (October 2012)

(PDF 350 KB) 2012

#### FairWild News 1 (January 2012)

(PDF 350 KB) 2012

#### FairWild poster

2012

### FairWild Guidance Manual for Social and Fair Trade Aspects

(DRAFT: PDF, 0.8 MB) http://www.fairwild.org/publication-downloads/other-documents/FW-FairTrade-Guidance-manual-June2012.pdf

#### Factsheet on FairWild.

(PDF, 4.4MB) http://www.wow.org.tw/traffic/?p=2720 2011 Edition: Chinese.

#### FairWild information for industry

(PDF, 4.4MB) http://www.fairwild.org/documents/ 2011 Edition: Japanese. Brochure and Information sheet

#### Assessing the Resilience of Plant Species to Wild Collection—a Practical Methodology.

(PDF, 0.2 MB) http://www.fairwild.org/publication-downloads/other-documents/ July2011\_FairWild\_Risk\_Analysis.pdf

### An Introduction to Implementing FairWild Certification.

(PDF, 0.1 MB) http://www.fairwild.org/storage/May2011\_Implementing\_FairWild\_ Certification.pdf

#### FairWild Standard, Version 2.0

(PDF, 0.45 - 1.6 MB)

August 2010 onwards Editions: English, French, Armenian, Azeri, Bosnia & Herzegovina, Georgian, German, Hungarian, Polish, Portuguese, Japanese, Russian, Spanish and coming soon in Chinese.

#### FairWild Standard, Version 2.0 Performance Indicators

(PDF, 1.5 MB)

August 2010 onwards Editions: English, Bosnia & Herzegovina, French, German, Hungarian, Polish, Portuguese, Spanish and coming soon in Chinese and Russian

#### FairWild Standard in Practice: Certification and more

#### FIVE IMPLEMENTATION GUIDANCE DOCUMENTS

### IMO Manual for Sustainable Wild Collection Practices

(PDF, 2.1 MB)

http://www.fairwild.org/publication-downloads/other-documents/IMO-Sustainable-Wild-Collection-Practices.pdf

#### IMO Manual for Developing and Implementing an Internal Control System (PDE 1.9MB)

http://www.fairwild.org/publication-downloads/other-documents/IMO-Manual-for-Internal-Control-System-Wild-Collection.pdf

#### IMO Manual for Quality Assurance

(PDF, 1.6 MB) http://www.fairwild.org/publication-downloads/other-documents/IMO-Quality-Assurance-Manual.pdf

# IMO Manual for Management Planning & Resource Assessment for Low Risk Species [under revision]







#### IMO Sample Plant Monograph

#### (PDF, 0.9 MB)

http://www.fairwild.org/publication-downloads/other-documents/IMO-Plant-Monograph-Rubus-idaeus.pdf

Developed by the Institute for Marketecology as part of a project implementing the FairWild Standard in the South Caucasus region.

For further information, contact the FairWild Secretariat.

#### Factsheets on a Project of TRAFFIC and Partners to Implement the Sustainable Collection and Trade of Wild Medicinal Plants in Six Countries and Regions:

Brazil (PDF, 1.3 MB), Cambodia (PDF, 550 KB), India (PDF, 1.3 MB), Nepal (PDF, 830 KB), Lesotho (PDF, 1.1 MB), Bosnia-Herzegovina (PDF, 1.6 MB)

http://www.fairwild.org/activities/http://www.fairwild.org/publicationdownloads/other-documents/FW-FairTrade-Guidance-manual-June2012.pdf

#### Saving Plants that Save Lives and Livelihoods: International Standard for Sustainable Wild Collection of Medicinal and Aromatic Plants (ISSC-MAP)

(1.2 MB) http://www.traffic.org/species-reports/traffic\_species\_plants6.pdf 2007 2pp.

Factsheet Also available in French, German and Spanish.

#### Saving Plants that Save Lives and Livelihoods

(PDF, 428 KB) http://www.floraweb.de/map-pro/flyer\_BMZ.pdf *May 2008* Factsheet. Also available in Portuguese and Spanish.

#### WORKING DOCUMENTS FROM BMZ FIT PROJECT

available on request from project sites in Brazil, Cambodia, India, Nepal, Lesotho, Boznia-Herzegovina

Management Plan Guidance Document (available through fairwild.org)

Resource Assessment guidance document (available through fairwild.org)

The above draft implementation guidance documents

were developed within an internal project piloting ISSC-MAP implementation in selected countries worldwide. This project started before the combining of ISSC-MAP and FairWild.

#### **ISSC-MAP Version 1.0**

(PDF, 1,1MB) http://www.floraweb.de/map-pro/Standard\_Version1\_0.pdf January 2007

Edition: German, Spanish, Portuguese and Serbo-Croat Based on Advisory Group consultation 2005, field consultation results and 2nd expert workshop.

### **BRIEFING PAPERS**

#### Agenda Item 8 Global Strategy for Plant Conservation 2011 – 2020: Progress in Implementing Decision X/17

May 2012 Published by: TRAFFIC and WWF ATRAFFIC–WWF joint position paper for the 16th meeting of the Subsidiary Body on Scientific, Technical and Technological Advice of the Convention on Biological Diversity, Montreal, Canada.

#### The Economic Value of Cordyceps sinensis and Schisandra sphenanthera: Findings from Research in the Upper Yangtze Ecoregion in China

October 2010 Published by: TRAFFIC International

#### Biodiversity for Food and Medicine: updated May 2011

(PDF, 280 KB) www.traffic.org/medicinal-reports/traffic\_pub\_medicinal19.pdf May 2011 Published by: the Biodiversity Indicators Partnership A Biodiversity Indicators Partnership factsheet

#### **Biodiversity for Food and Medicine**

(PDF, 300KB) http://www.traffic.org/medicinal12.pdf

### available in English, French, Spanish, Chinese, Japanese and Russian Medicinal Plants and CITES March 2000 Published by: TRAFFIC International Biodiversity Indicators Partnership **Biodiversity for Food and Medicine** V Facts CBD Focal Area: Ecosystem integrity and ecosy CBD Headline Indicator: Biodiversity for food and medicine Key Indicator Partners: TRAFFIC Data Available: Global time series for animals used for food and medicine, 1978 onwards and regional/national case studies Development Status: Ready for global use (Red List Index Component) Reason Many trentitial and and plant packate are used by human for food and medicine. These spectres make applicant contributions of dot and transfrance and analyzing of developed contrals. Are estimated to 600,007-0000 plant spectres are used in traditional and modern medicine. Namy of the wild spectre sub-off the spectre of the spectre o Status The Biodiversity for Food and Medicine Indicator has been developed by TMAFFC in collaboration with the IUCN-SSC Medicinal Plant Specialist Group with assistance from the IUCN Specie Programme and BirdLie International. The indicator provides amount of the answer the the corresponding table of animal used for food and medicine, and a baseline for the conservation status of medicinal plants. Plants harvested for hood have not been included, specific immedicine use, occurring the other of other proposes in table and the internation and the metidian set of the other other included, specific the other todo and medicine, includes to due to graduate the other build beam of the analysis. A Red List holes RUI for fore, mention and medicine and beam produced. This seek and from operated assessments of the status of each species for the IUCN Red List, and listances for each species in the existicitor in Kino entities. TRAFFIC Indicator Factsheet 4.5.2 中国中医药企业社会责任与可持续发展论坛成立 暨首次会议 TRAFFIC O @ @ man . 0

August 2010

Partnership

Published by: the Biodiversity Indicators

A Biodiversity Indicators Partnership factsheet

Wild plants the stars of innovative online toolbox



Budapest, Hungary, 27th May 2014—Today sees the launch of an online interactive "Traditional and wild" toolbox, created to showcase the use of a variety of wild plant species used for traditional medicine and for food in Hungary, the Czech Republic, Slovenia and Poland and beyond.







### Set of Sustainability Principles for Wild Plant Collection

http://www.traditionalandwild.eu/en/images/set%20of%20 sustainability%20principles%20for%20wild%20plant%20collection%20 ---vegleges.pdf

2012

Published by: Traditional and Wild Project TRAFFIC is a partner in the Traditional and Wild project whose goal is: to protect and share declining cultural heritage and to improve livelihoods of vulnerable groups in rural parts of Central Europe.

### **FILMS/VIDEO/DVDS**

#### A Healing Power from Nature

http://www.youtube.com/watch?v=5eQTVajKgYE&list=UUrXCXAtD9bW pZZrU2lyqDjQ&index=19&feature=plcp Edition: Japanese

http://www.youtube.com/watch?v=fXrG8js6teE

Edition: English http://youtube/DQWrOPnHUDAin German

Edition: German Video on trade in medicinal and aromatic plants

### Sustainable harvesting of medicinal plants in Karnataka, India

http://www.youtube.com/watch?v=uPOqwCTfsBg&list=UUrXCXAtD9bW pZZrU2lyqDjQ&index=3&feature=plcp Uploaded to www.youtube.com/trafficnetwork 16 May 2008, revised February 2012

A documentary examining implementation of the ISSC-MAP Standard for wild collection of aromatic plants and its application in a field project in Karnataka, southern India.

### **MISCELLANEOUS**

#### Traditional and Wild "toolbox"

http://whygowild.com/en

http://www.traffic.org/home/2014/5/27/wild-plants-the-stars-of-innovative-online-toolbox.html

This state-of-the-art, award-winning, interactive website was created as part of the *Traditional and Wild* project, in which TRAFFIC was a partner, to showcase the use

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of wild plant species in Hungary, the Czech Republic, Slovenia Poland and beyond.

# Engaging China's private sector in sustainable management of medicinal plants—the multiplier effect (EGP MAPs)

Flyer prepared for the traditional Chinese medicine (TCM) corporate social responsibility and sustainability forum jointly organized by TRAFFIC, the China Medical Pharmaceutical Material Association (CMPMA), the World Federation of Chinese Medicine Societies (WFCMS), and China Wild Plant Conservation Association (CWCA), March 2014. The forum attracted participation from more than 70 representatives from TCM companies, academia and NGOs.

More information available at: http://www.traffic.org/ home/2014/3/4/tcm-sector-holds-inaugural-corporatesocial-responsibility-a.html

#### POSTER

#### **Traditional and Wild**

The Traditional and Wild project, which concluded in April 2014, supported pilot initiatives to promote sustainable management of wild-collected plants and associated capacity-building for local wild plant collectors in Central Europe.

### FORTHCOMING

WHO/WWF/IUCN Guidelines on the Conservation of Medicinal Plants Expected publication: tbc





AVIVE (Cumaru, Brazilian Amazon Region

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