



PACIFIC INVASIVES LEARNING NETWORK

SOUNDBITES – DECEMBER 2012 & JANUARY 2013

Pacific Invasives Learning Network

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The monthly electronic newsletter of the Pacific Invasives Learning Network (PILN) –

reporting on invasive news from PILN teams and the Pacific Invasives Partnership.

Past issues are available online: <http://www.sprep.org/piln>

Happy New Year to all the Invasive Battlers, Supporters and Friends

Welcome to this first edition of your Soundbites for 2013. We have a lot planned for this year, especially with the wrapping up of the CEPF-Micronesia/Polynesia Hotspot, the 9th Nature Conservation Conference, the GEF-PAS Invasive Species Project, the Pacific Invasives Partnership annual meetings, the BirdLife World Congress, the Hawaii Conservation Conference, the 12th Pacific Science Inter-Congress, and much more. We hope to bring you opportunities as they come to our attention for training, workshop, employment and funding, as well as news from our friends around the world. Most importantly, is bringing you news of invasive battlers and practitioners fighting invasive species in the Pacific Islands. Wishing you all the successes in your battles and a great year for all.



**9th PACIFIC ISLAND
CONFERENCE ON
NATURE CONSERVATION
AND PROTECTED AREAS**

PILN TEAMS AND COUNTRY UPDATES

Guam

The Guam Invasive Species Advisory Committee held their meeting on 24 January. Topics on the agenda include the Coconut Rhinoceros Beetle, Cycad Scale, restoration efforts on Cocos Island, United States Fish and Wildlife Service Refuge predator fenced area, Brown Tree Snake Control, Micronesia Biosecurity Plan, Regional Invasive Species Council meeting and Aquatic Invasive Plants. For details of this meeting, please contact Diane Vice.

Hawaii

The following meetings took place this month in Hawaii:

- Hawaii Invasive Species Council met January 8th
- Hawaii Invasive Species Council – The Public Outreach Working Group met on January 8th.
- Maui Invasive Species Committee meeting January 25th
- Coordinating Group on Alien Pest Species (CGAPs) met on January 22nd

Hawaii – nominate an invasives hero

As part of the very first Hawaii Invasive Species Awareness Week (March 4-8), please help us spread the word regarding a call for nominations for awards from the Hawaii Invasive Species Council. These awards are meant to highlight the individuals, organizations, and businesses that have had the greatest impact on prevention, control, research, and outreach regarding invasive species in Hawaii. Nominations are due by February 15, 2013, and can be submitted using the guidelines described at the link below: http://hawaiiinvasivespecies.org/hisc/pdfs/201202_hiscawardnomination.pdf

Nomination categories include: Community Hero, Above and Beyond, Business Leader, and Greatest Hit of 2012. The linked document has full descriptions of the award categories, including an additional County MVP category that will be coordinated by the county-based Invasive Species Committees.

Awardees will be recognized in a ceremony at the Hawaii State Capitol on March 4, and neighbor island awardees may be eligible to have their travel to Oahu supported by the HISC.

Please feel free to send this notice on to any relevant individuals or listserves, and help us recognize some of the great work being done to protect Hawaii's ecosystems and way of life from invasive species.

Mahalo,

Josh Atwood, DLNR Invasive Species Coordinator, at 808.388.4317, joshua.p.atwood@hawaii.gov

Jackie Kozak Thiel, HISC Communications Coordinator, at 808.346.5390, jkozak@hawaii.edu

Pohnpei – iSTOP

The invasive species taskforce of Pohnpei (i-STOP) held their first meeting for the year on January 21st. The team discussed issues including invasive weeds management, public awareness and working with youth. For details of the meeting please contact the i-STOP chairman – Gibson Santos or the Secretary Konrad Englberger.

Solomon Islands - \$1.5 million to fight Giant African Snail

The war against the invasive Giant African Snail will be waged this year with a \$1.5 million support from the government.

Permanent Secretary of the Ministry of Agriculture and Livestock Frank Wickham confirmed this when he appeared before the Public Accounts Committee hearing.

He said his ministry has allocated \$1.5 million under its 2013 allocation for the Giant African Snail Eradication Project.

Wickham told the hearing they are doing all they can to contain the snail from spreading to other provinces.

The pest is currently seen mostly around Honiara and in parts of the Guadalcanal plains.

Wickham said his ministry has been fighting the snails through baiting, handpicking, and cleaning up areas where they have spread.

“We also carried out training and awareness programmes at schools and the provinces and also inspect logging machines before they are shipped to the provinces.”

The result of their containment programme, he said, was that the snails were still contained in Honiara, Henderson, Foxwood, Okea, Guadalcanal plains, Ghoroboko and parts of East Guadalcanal.

“To date, there were not sightings in other provinces.”

Wickham said they’ve signed an agreement with Solomon Islands Development Trust (SIDT) to assist in the eradication programme.

This agreement is worth \$400,000.

Papua New Guinea

Dear all,

Belated Happy New Year to you all. A new year and another interesting story i thought i should share with you all to kick off 2013!!!.

An unidentified live 3 meter python was found on the wings of a QANTAS Q400 Next Gen commercial aircraft that arrived from the North Queensland city of Cairns into Port Moresby yesterday morning and people are talking about it on Facebook in PNG. The snake barely survived sub-zero temperatures at 25000ft altitude during the 1 hour flight.

Our (NAQIA) biosecurity officers found the snake during normal inspections and unfortunately went ahead and incinerated the snake without our technical or scientific staff finding out the identity of the snake. Photos will be obtained

soon so I will inform in due course the species involved.

Regards

Warea Orapa

Assistant General Manager,

Operations and Inspections Division, NAQIA

Port Moresby, PNG

PACIFIC INVASIVES PARTNERSHIP (PIP) – NEWS

PIP members contribute to PECCO

PIP members contributed to the Pacific Environment and Climate Change Outlook (PECCO) that was released by the United Nations Environment Programme in Doha, Qatar and the UN Climate Change Conference (COP18). The report states that up to 80 per cent of alien species in the Pacific are invasive or potentially invasive. To download a copy of the report please go to the UNEP website or click on this link: www.unep.org/pdf/PECCO.pdf

PIP members assist West Indian Ocean – by David Moverley

David Moverley (SPREP Invasive Species Adviser) travelled to Mauritius to assist the West Indian Ocean (WIO) with their upcoming invasive species project. The Steering Committee was informed on the structures and institutions such as the PILN, PIP, PII and SPREP that enable the Pacific Island Countries and States to work together in addressing invasive species. The Pacific is viewed as the leading global example of how regions of islands can work together to manage invasive species.

The European Commission funded project “Preparation and testing of a comprehensive model for preventing and managing the spread of invasive species on island ecosystems” is being implemented by the IUCN until 2016.



There are many synergies between the WIO project and the current GEF-PAS invasive species project currently being implemented by SPREP in ten countries within the Pacific. One common goal, and an item of much interest from the WIO practitioners, was the “Guidelines for Invasive Species Management in the Pacific”. This Pacific mandated framework is the key to structuring, recording and aiding countries activities and projects, and was instrumental

in the structuring of the GEF-PAS project. A goal of the WIO project is to review the Pacific Guidelines and other information and publish global guidelines relevant to islands throughout the world.

The countries that are included in the project are Comoros, Mayotte, Mauritius, Seychelles, French Southern Territories in the WIO, and Madagascar with eventual relevance to other island groups around the world. Practitioners from these countries have been invited to participate in the PILN network and we will hopefully see some of them at the next PILN meeting in 2014.

The Steering Committee had a very busy few days and consisted of several present and past Pacific invasives participants such as Shyama Pagad (IUCN IS Specialist Group Auckland), Sidney Suma (ex SPC now based in the Seychelles) and David Moverley (SPREP ISA). Photo: Olivier Tyak (IUCN).

PII looking for some images

PII is looking for some high quality photographs for a new resource kit they are putting together: “PII Resource Kit for Invasive Plant Management”.

Images including:

- Seeds getting stuck to peoples hair or clothing .i.e. socks, pants, shoes, velcro etc
- Invasive plants .i.e. whole plant, leaves, flowers, fruit etc.
- Invasive plants in the native forest or at your project site (not agriculture/horticulture/plantations)
- Animals or people getting hurt from an invasive plant e.g. a bird getting tangled in a view, someone getting scratched from the thorns of a plant,
- Invasive, or any, animals spreading invasive plants e.g. myna birds feeding on ivy gourd fruit, seeds stuck to feathers, fur, etc.
- Management work you are doing e.g. cut-stump, hack-and-squirt, ring barking etc.
- Community involvement in your projects
- And anything else you think would be good.

It would be great to have photographs from around the region, and everyone submitting an image will be acknowledged.

If you can contribute please send high resolution photographs, and it will probably be best to send via <https://webdropoff.auckland.ac.nz/> or let Natasha Doherty (n.doherty@auckland.ac.nz) know if you want to use DropBox instead and she'll set up and folder for you to place them in.

GLISPA - highlight

Dear GLISPA friends and participants,

On behalf of the Partnership coordination team and GLISPA steering committee we would like to wish you all the best of the season and look forward to continuing our work together in 2013.

It's an opportune time to reflect on what has been an incredibly busy year for GLISPA and which has included:

- Ongoing support to the process to review the Programme of Work on Island Biodiversity (CBD) which has resulted in the adoption at CBD COP 11 in Hyderabad of a strategic, focussed decision. (<http://www.cbd.int/cop/cop-11/doc/2012-10-24-advanced-unedited-cop-11-decisions-en.pdf>)
- Two high level events to support GLISPA priorities:
 - Rio+20 event (hosted by President of Indonesia and the Prime Minister of Grenada – on behalf of GLISPA co-chairs) http://glispa.org/wp-content/uploads/2012/07/GLISPA_EventSpotlight_Rio20_print.pdf
 - CBD COP 11 event (hosted by Minister of Environment and Energy, Seychelles and Government of India) <http://glispa.org/wp-content/uploads/2012/12/1210-GLISPA-EVENTSPOTLIGHT-CBDCOP-11.pdf>
- New GLISPA co-chair – Prime Minister of Grenada, HE Tillman Thomas.
- A number of side events to illustrate and support island strategic priorities:
 - Rio+20: Securing the future we want http://glispa.org/wp-content/uploads/2012/07/GLISPA_Spotlight_Securing-the-island-future_web.pdf
 - Rio+20: Sustainable Mountain Development Challenges in Islands
 - SBSTTA 16 Implementing the POW on Island Biodiversity – Lessons and Challenges <http://glispa.org/wp-content/uploads/2012/05/GLISPA-EVENTSPOTLIGHT-SBSTTA-16.pdf>
 - COP 11 Island Bright Spots <http://glispa.org/wp-content/uploads/2012/12/1210-GLISPA-EVENTSPOTLIGHT-CBDCOP-11.pdf>
- 2012 was also the year when we saw increasing engagement of new GLISPA participants in particular:
 - Europe Overseas – led by M. Maurice Ponga, Member of the European Parliament from New Caledonia and by OCTA we saw an increasing presence of European Overseas islands in GLIPSA activities in 2012 which will continue to build.
 - Hawaii – Hawaii's green growth initiative saw Hawaii participate for the first time in the CBD COP and is a reflection of an enormous amount of activity happening in the State in relation to sustainability and green growth. <http://climatechange-tv.rtcc.org/cbd-cop11-hawaii-offers-model-of-sustainability-for-rest-of-usa/> and <http://climatechange-tv.rtcc.org/cbd-cop11-hawaii-seeks-to-lead-pacific-transition-to-a-green-economy/>

A commitment by the Seychelles to start funding GLISPA - \$10,000/year for the next three years. The Seychelles joins with our partners – including recent commitments by Rare, The Nature Conservancy, Island Conservation and others as well as ongoing supporters – Italy, The Nature Conservancy, USA, IUCN, - all contributors to the core costs of GLISPA who are working to try to move GLISPA to a more sustainable funding situation. We are not there yet – for 2013 we have a funding gap of \$150,000 USD, but through collective effort we can ensure the continued existence of this wonderful partnership.

New invasives working group focussed on mobilising high level interest and action on invasives – now co-chaired by Olivier Langrand, Island Conservation and Phil Andreozzi and Stas Burgiel from the US National invasive species council.

We would like to take the opportunity to thank profusely each and every person that participated, spoke, contributed to, supported or collaborated in any of GLISPA's activities in 2012 – this partnership functions successfully because of all of you.

Finally I would like to end with a favourite quote:

*“Finish each day and be done with it. You have done what you could.
Some blunders and absurdities no doubt crept in; forget them as soon as you can.
Tomorrow is a new day; begin it well and serenely and with too high a spirit
to be encumbered with your old nonsense.”*

- Ralph Waldo Emerson

Onward to 2013, Seasons Greetings.

Kate Brown, Partnership Coordinator

Micronesica Bird Conservation established – source Shelly Kremer



A new non-governmental organisation (NGO) - Micronesica Bird Conservation, based in Saipan, Northern Mariana Islands has been established. The mission of Micronesica Bird Conservation is to preserve the integrity and diversity of islands' avifauna. The NGO currently has two staff. If you would like to know more or contribute to the organisation, please contact them on skremer@gmail.com or lainiezarones@gmail.com. Our website will be coming soon at micronesicabirdconservation.org We look forward to working with you.

VACANCY AND OTHER OPPORTUNITIES

BirdLife International – Pacific Partnership



Pacific Local Empowerment Programme Manager - The BirdLife Pacific Secretariat in Suva, Fiji is searching for a passionate and experienced individual to lead the development of a new locally-led conservation programme. The BirdLife Pacific Partnership is based in Fiji, Cook Islands, Palau, New Caledonia, French Polynesia, Australia and New Zealand. Closing date 10th February, 2013. Contact mere.ledu@birdlife.org for more information.

IUCN – Leaders wanted for Sixth World Parks Congress

Here is your chance as an institution, organisation or individual to take a major role in the 2014 World Parks Congress! IUCN and the National Organising Committee are pleased to announce that IUCN has opened the call for stream leaders for the sixth IUCN World Parks Congress. Please follow the link below to the media release, Stream Leadership Proposal Guidelines and the Stream Proposal Template. <http://www.iucn.org/?11787/Leaders-wanted-for-sixth-World-Parks-Congress> Due date 8 March, 2013.

GEPP Executive Summer School on Global Environmental Policy -(University of Geneva in partnership with UNEP)

The Summer School is from 1-13th September, 2013. The Executive Summer School provides a special opportunity for participants from both the public and the private sectors to enlarge their competences in order to address complex environmental issues. Beyond enlarging the knowledge base of each participant, the modules of this trans-disciplinary programme bridge the gap between scientific knowledge and concrete decision-making, problem-solving and negotiation skills. The GEPP Executive Summer School aims to bring together not more than 25 selected participants with diverse origins and professional backgrounds, including decision makers from the public and private sectors, and non-governmental organisations. The closing date for applications is **31st March 2013**. More information about GEPP, including the programme of the Executive Summer School held in September 2012, can be consulted at: www.unige.ch/gepp/ess. Please do not hesitate to contact Mr. Jean Chamel, our Scientific Secretary (jean.chamel@unige.ch) if you have questions.

Pesticide training course on Maui

Charles Nagamine will be running his Pesticide Risk Reduction Education course in Maui from April 15-16, 2013. Please contact Chargles for further information – check : <http://pestworld.stjohn.hawaii.edu/pat/schedule.html>

Pacific Islands Leadership Program

Call for Applications The East-West Center is pleased to invite applications for the Pacific Islands Leadership Program (PILP), a new initiative designed to provide opportunities to enhance the leadership capacities of individuals in the Pacific Islands region and build a network of young leaders who will contribute to lasting people-to-people relationships across the Pacific, Asia, and United States. **Application deadline** March 15, 2013 for full consideration. Applications received thereafter will be considered on a space-available basis.

Program Goals This program seeks to attract candidates possessing outstanding intellectual promise, high leadership potential, and commitment to serve the development needs of their countries. It is intended to strengthen participants' knowledge and understanding of key economic, social, political, health, educational and environmental issues affecting the region, and enable them to cultivate the leadership skills, approaches and networks to make meaningful contributions to the region throughout their careers. **Type of Study** PILP is a three-month course of study with the first two based in Honolulu, Hawaii and the third month based in Taipei, Taiwan. It includes seminars and field visits. Up to 25 candidates will be admitted in the first cohort of PILP participants and the program will seek to balance opportunities for women and men. **Program Dates** August 26, 2013 – November 26, 2013 **Eligibility** The program is aimed at early- to mid-career professionals from Pacific Island nations, spanning the ages of approximately 25 - 38. PILP seeks outstanding individuals from all walks of life (government, business, environment, NGOs, health, media, agriculture, education, and others) to apply. **Citizens of the Cook Islands, Federated States of Micronesia, Fiji, Kiribati, Nauru, Niue, Palau, Papua New Guinea, Republic of the Marshall Islands, Samoa, Solomon Islands, Tonga, Tuvalu, and Vanuatu will be eligible for these competitive, merit-based awards.** Applicants will be expected to have a fluent level of English. Applicants will normally have a Bachelor's degree; exceptions may be considered on the basis of other relevant experience and qualifications. Applicants will be expected to have a minimum of 2 years of significant work experience, and be committed to a career in the region. **PILP Fellowship Provisions** Tuition, residence hall room costs, health insurance, course materials, living stipend, round-trip airfare to Honolulu, roundtrip airfare from Honolulu to Taipei, as well as visa application and SEVIS fees if required. **Location of Study** Two months in Honolulu, Hawaii, followed by one month in Taipei, Taiwan.

How to Apply

Application materials and additional information are available at www.eastwestcenter.org/pilp
<<http://eastwestcenter.us1.list-manage1.com/track/click?u=a2128c0e006365a63fe9e8798&id=a73bb2b415&e=d46ddd3936>>

Code approved for conduct for zoos and aquariums on invasive species

The Standing Committee meeting of the Berne Convention has approved the European Code of Conduct for Zoological Gardens and Aquaria on Invasive Alien Species. For more information see Riccardo Scalera's blogspot: riccardoscalera.blogspot.com/2012/12/a-new-code-for-preventing-animal.html

Invading species can cause extinction



Ecologists at the University of Toronto and the Swiss Federal Institute of Technology Zurich (ETH Zurich) have found that, given time, invading exotic plants will likely eliminate native plants growing in the wild despite recent reports to the contrary. A study published in *Proceedings of the National Academy of Sciences (PNAS)* reports that recent statements that invasive plants are not problematic are often based on incomplete information, with insufficient time having passed to observe the full effect of invasions on native biodiversity.

Invasive boa constrictors pose problems in Puerto Rico



Swift action is being urged to halt the spread of boa constrictors in Puerto Rico now that new research shows the invasive species has established a breeding population on the United States island territory.

Read more:

http://www.caribbean360.com/index.php/news/puerto_rico_news/642393.html?utm_source=Caribbean360+Newsletter&utm_campaign=15895706ca-Vol_7_Issue_148_News12_7_2012&utm_medium=email#ixzz2JCbPeBXR

New social chromosome discovered in the red fire ant



Researchers have discovered a social chromosome in the highly invasive fire ant that helps to explain why some colonies allow for more than one queen ant, and could offer new solutions for dealing with this pest. Read more on <http://www.qmul.ac.uk/media/news/items/se/89315.html>

2013 US National Invasive Species Achievement Awards – call for nominations (US only)

Outstanding Invasive Species Leadership Award: This award recognizes outstanding leadership in the areas of prevention, management and/or control of invasive species. Any individual or organization whose collaborative or coalition-building efforts have made a significant impact at a regional or national level in the fight against invasive species is eligible, including any federal, state or local government employee. Two awards may be given in this category: one for aquatic and one for terrestrial invasive species efforts.

Outstanding Invasive Species Volunteer Award: This award recognizes exemplary volunteer efforts to combat invasive species. Any individual or organization who through their volunteer (i.e., unpaid) efforts have significantly reduced the impact of invasive species at a local, state, regional or national level is eligible. Two awards may be given in this category: one for aquatic and one for terrestrial invasive efforts.

Lifetime Achievement Award: This award recognizes outstanding leadership and achievement over the course of a career in the areas of research, prevention, management and/or control of invasive species. Any individual or organization whose collaborative or coalition-building efforts have made a significant impact at a regional or national level in the fight against invasive species is eligible, including any federal, state or local government employee. Two awards may be given in this category: one for aquatic and one for terrestrial invasive species efforts.

US Marine Invasions species released

The Marine Invasions Lab at the Smithsonian Environmental Research Center, Maryland, USA, has just released all of the species records for introduced crabs, shrimp and crayfish (29 species) in the continental US: <http://invasions.si.edu/nemesis/browseDB/searchTaxa.jsp>). These records are part of the National Estuarine and Marine Exotic Species Information System (NEMESIS) and provide detailed information on how and when a species was introduced, where it has established populations and any known impacts. The creation of NEMESIS and gradual release of records remains an ongoing project as each record undergoes careful review by internal and outside experts. Currently, species records are also available for tunicates. We hope you will find this resource easy to use and informative.

Christina Simkanin, Graduate Research Fellow
Marine Invasions Lab, Smithsonian Environmental Research Center
Edgewater, Maryland - csimkanin@gmail.com

Most pests sneak into Hawaii with 40 products

Pests hitchhiking in 40 imported commodities like lettuce and cut flowers account for 90 percent to 95 percent of the pests and potential invasive species entering Hawaii, a state official said Friday.

The Agriculture Department's "Buy local, it matters" campaign addresses the problem by urging consumers to select Hawaii-grown produce at the supermarket. The department is also helping farmers grow these products locally so people won't need to import them, said Carol Okada, plant quarantine manager.

500 catfish farms destroyed in Bangalore

Officials of the Revenue Department, with the help of police, destroyed about 500 catfish farms that were operating illegally at Razak Palya in Bagalur, near Yelahanka on Saturday.

INVASIVE SPECIES PUBLICATIONS

Scientific articles

Banko, *et al.* 2013. Response of palila and other sub-alpine Hawaiian forest bird species to prolonged drought and habitat degradation by feral ungulates. *Biological Conservation* 157: 70-77.

Falcón, W, JD Ackerman, and C Daehler. 2012. March of the green iguana: Non-native distribution and predicted distribution of *Iguana iguana* (Squamata: Iguanidae) in the Greater Caribbean Region. *IRCF Reptiles and Amphibians* 19(3): 150-160.

Macquarie Dispatch – Macquarie Island Pest Eradication Project Newsletter – Issue 12 – January, 2013 is now out. Contact mieradication@parks.tas.gov.au for a copy.

Parrish, R., & Sherley, G.H. 2012. Birds of the Aleipata Islands, Samoa. *Notornis* 59: 153-162.

The Micronesia Challenge Newsletter (January edition) is now out. Some of the issues include the 2nd Pork in the Park activity carried out in Guam. For more information send an email to MicronesiaChallengeComGroup@gmail.com

Fasi, J., Brodie, G., Vanderwoude, C. 2013. Increases in crop pests caused by *Wasmannia auropunctata* in Solomon Islands subsistence gardens. *Journal of Applied Entomology*.

Ramnanan N (2012). Species under siege: combating the IAS threat. In: Farming Change- Growing More Food with a Changing Resource Base". IICA Critical Issues, Perspectives and Options (CIPO) series, ISBN 13: 978-92-9248-396-8, pp 103-169. Free download at: The booklet can be downloaded at: <http://www.pn4ad.org/docs-a-products/viewdownload/3/174>

Te Ipukarea Society Newsletter December 2012 is out. For a copy please contact TIS on Te.Ipukarea.Society.Inc@gmail.com

South Pacific Agriculture News for November-December is out. Contact seiuli_t@samoa.usp.ac.fj for a copy.

Zenni, R. D. and Nuñez, M. A. (2013), The elephant in the room: the role of failed invasions in understanding invasion biology. Oikos. doi: 10.1111/j.1600-0706.2012.00254.x

Online resources

Training fish to eat invasive lionfish – youtube: http://www.youtube.com/watch?v=6a33ky_Kvvs

LIFE Programme – An interview with Riccardo Scalera, Programme Officer of the IUCN/SSC Invasive Species Specialist Group. http://ec.europa.eu/environment/life/features/2012/is_interviews.htm

UPCOMING EVENTS

2013	Event	Participating Partner	Comments
January			
21-31 January	Student Conference on Conservation Science. University of Queensland, Brisbane, Australia		www.sccs-aus.org
February			
2 Feb	World Wetlands Day – Wetlands and Water Management	SPREP	
4-6 Feb.	BIOPAMA, Suva. Fiji	IUCN-Oceania, SPREP	
14-16 Feb.	12 th Annual International Graduate Student Conference (EWG-IGSC) on the Asia-Pacific Region. East-West Centre, Honolulu, Hawaii.		
18-21 Feb	Global Island Partnership (GLISPA) Annual Steering Committee Meeting. Washington, DC, USA	GLISPA	http://glispa.org
18 Feb-10 May	Durrell Endangered Species Management Graduate Certificate. Durrell Conservation Academy, Jersey, UK.	Durrell Institute	
27 Feb-1 March	Inaugural Meeting: Risk Analysis of Forest Invasive Alien Species (IUFRO). Chandigarh, India.		

Disclaimer: Articles contained within this or other PILN Soundbites do not necessarily reflect the views of PILN teams, SPREP or the Pacific Invasives Partnership. Contact the PILN Coordinator for further information (posas@sprep.org).