



PACIFIC DISASTER NET

Ni Sa Bula,

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Please send us documents and information about disaster risk management in the Pacific Region via email to jutta@sopac.org.

Information about TC Pat, Rene and Sarah is included in this update.

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4111

Cook Islands : tropical cyclones ; DREF operation no MDRCK002 ; GLIDE no TC - 2010 - 000024 - COK ; update no 1 ; 19 February 2010. IFRC DREF operation update

IFRC DREF Operation Update no 1. 19 th February 2010. Following three tropical cyclones, including cyclone Pat (a category 3 cyclone), CHF 150,000 was allocated from the (DREF) to support the Cook Islands Red Cross Society's relief operation. The Cook Islands Red Cross Society staff and volunteers have been deployed to Aitutaki, which was the most badly affected island. Support to the CIRCS with regard to assessment and the operation has been provided by an Australian Red Cross water and sanitation delegate. A needs assessment has been completed, which indicates that there are 317 affected households and the greatest needs at this time are shelter, food and access to safe water

Rattle, Niki. International Federation of Red Cross And Red Crescent Societies

Kuala Lumpur : IFRC, 2010. [7 p.] : col. ill. Annex 1-2 : [p. 5-6] Includes a map displaying flood in Cook Islands

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_IFRC_DREF_update_MDRCK002_1.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4111.html>

URL : [http://www.reliefweb.int/rw/RWFiles2010.nsf/FilesByRWDocUnidFilename/MDCS-82TCAT-full_report.pdf/\\$File/full_report.pdf](http://www.reliefweb.int/rw/RWFiles2010.nsf/FilesByRWDocUnidFilename/MDCS-82TCAT-full_report.pdf/$File/full_report.pdf)

4112

Vava'u Governor says they need overseas help with cyclone relief

ABC News 18 Feb 2010. The Royal Governor of the northern Tongan island group of Vava'u says his people definitely need overseas assistance in the wake of Cyclone Rene. Noble Luani says power is starting to be restored, but the damage to crops caused by the high winds is going to be severe

Hill, Bruce

[Canberra] : ABC, 2010. 1 p.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/TON_TC_Rene_2010_governor_needs_oversea_help.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4112.html>

URL : <http://www.reliefweb.int/rw/rwb.nsf/db900SID/KHII-82T7DL?OpenDocument>

4113

Insuring against earthquakes : simulating the cost-effectiveness of disaster preparedness. Insuring against earthquakes

Natural hazards may become natural disasters either because of action or because of a lack of action by humankind. This paper addresses why governments and non-governmental organisations continue to focus more on disaster relief and to under invest in risk preparedness measures. A key explanation for the lack of ex-ante investment in disaster mitigation and adaptation could be perverse incentives. Ex-ante measures to improve risk preparedness for natural disasters are generally considered to be more effective than ex-post measures. Nevertheless, most resources are allocated after an event in geographical areas that are vulnerable to natural disasters. This paper analyses the cost effectiveness of ex-ante adaptation measures in the wake of earthquakes and provides an assessment of the future role of private and public agencies in disaster risk management

De Hoop, Thomas

London : [Blackwell Publishing], 2009. [15 p.] . Ref. : p. [13-15]

Download : http://www.pacificdisaster.net/pdnadmin/data/original/Wiley_2009_EQ_dsstr_preprdnss.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4113.html>

URL : <http://www3.interscience.wiley.com/cgi-bin/fulltext/123210853/PDFSTART>

4114

Local airline plays vital role in cyclone aftermath

Herald issue 17 February, 2010. When Cyclone Pat threatened the Southern Cook Islands Air Rarotonga dispatched two aircraft carrying a complement of emergency personnel to Mauke to shelter over. A total of 330 people were evacuated and 350 emergency workers and volunteers airlifted into Aitutaki along with seven tonnes of urgent cargo including countless generators, chainsaws, water pumps, tarpaulins and other essential equipment. The airline is often the first responder to arrive in these emergency situations because of its daily outer-island operations and proximity said Air Rarotonga Managing Director Ewan Smith

[Rarotonga] : Cook Islands Herald online , 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_PAT_2010_airline_playsvital_role.pdf
HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4114.html>
URL : <http://www.ciherald.co.ck/articles/h499d.htm>

4115

Big repair bill for buildings

Herald issue 17 February, 2010. Finance Minister Hon Wilkie Rasmussen, who has been appointed by Cabinet as Coordinator for the Aitutaki Cyclone Pat recovery efforts, advised that it will cost an estimated \$12 million to repair the buildings in Aitutaki damaged by Cyclone Pat. Up to 90 per cent of the buildings on the island had suffered some form of damage

[Rarotonga] : Cook Islands Herald online, 2010. 1 p.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_big_repair_bill_buildings.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4115.html>

URL : <http://www.ciherald.co.ck/articles/h499e.htm>

4116

Damage estimated at \$10m

Herald News, 12 Feb, 2010. The people of Aitutaki are still coming to terms with the devastation caused by cyclone Pat which ripped through the island. The initial estimate of damage to the island caused by the cyclone is over \$10 million dollars. During a briefing held at the Aitutaki Island Administration offices, Emergency Management director Charles Carlson admitted that, "this is bigger than we immediately thought". He said that emergency response crews were deployed across the island to conduct first response assessments. Around 15 Red Cross and health volunteers visited families through the ravaged villages to gauge the urgent needs of the people to make sure that people left without homes had places to stay and enough food and water

Wilson, Matariki

[Rarotonga] : Cook Islands Herald online, 2010. 3 p. : col. ill..

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_damage_estimated_10million.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4116.html>

URL : <http://www.cookislandsnews.com/2010/February/Wed17/local.htm#1002120105>

4117

Help is on the way to Aitutaki

Herald News 17 February, 2010. Supplies including a power generator, cables, a water tank and some bunk beds were flown to Aitutaki. 500 kilograms of cargo was airlifted on the Hercules courtesy of the New Zealand government but owing to the urgency of the need in Aitutaki. Anthony Brown from Agriculture said the Ministry had sent 1000 packages of seeds so the farmers in Aitutaki could start their replanting programme as soon as possible

[Rarotonga] : Cook Islands Herald online, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_PAT_2010_help_onway_Aitutaki.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4117.html>

URL : <http://www.ciherald.co.ck/articles/h499f.htm>

4118

1917 earthquake revisited : Wednesday, 28 October 2009 15:52

An earthquake affecting the whole of the Samoan Group, and of such tremendous violence as to cause universal consternation throughout the islands, occurred on Monday evening last. Not since the great eruption in Savai'i 12 years ago has there been a manifestation of the mighty forces within the earth's interior of so alarming a character. As regards Upolu the convulsions experienced have no parallel in their severity within living memory, and the reports to hand so far, meagre and lacking in particulars as they are, are sufficient to indicate the same terrible experience throughout the entire group, from Tutuila in the east to Savaii in the west. Apia and the neighbourhood suffered considerable damage in the aggregate, both to buildings and their contents

[Apia] : Samoa Observer, 2010. 5 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/WSM_EQ_2009_1917revisited.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4118.html>

URL : http://www.samoaoobserver.ws/index.php?view=article&catid=1%3Alatest-news&id=14751%3A1917-earthquake-revisited&format=pdf&option=com_content&Itemid=50

4119

Situation repprt : tropical cyclone Rene ; strep no 003 ; 16th February, 2010 ; 0100hrs

NEMO Situation report 003 on TC Rene. 16th February, 2010. TC Rene was located at 21.7 South 175.4 West or about 60km South of Nuku'alofa. Niua - no damage reported, electricity is still off, Communication is only through satellite phones and TDS sets, no injuries or fatalities reported. Communities are taking care of their food rations at evacuation centres, National Emergency Committee are monitoring T/C Rene through the Operation Room Team

Takai, Maluu. Tonga. National Emergency Management Office. (NEMO TC Rene 2010/02/11 ; 3)

Nuku'alofa : NEMO, 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/TON_TC_Rene_2010_NEMO_strep_003.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4119.html>

4120

OCHA update 6 : TC Rene in Tonga

UNOCHA update 6 on TC Rene in Tonga. 22nd Feb, 2010. On 15 February the Kingdom of Tonga (population 101,991, 2006 census) was battered by TC Rene, which made landfall on the Vava'u island group (pop. 15,505) as a category 4 cyclone and followed its path over Ha'apai (pop. 7,570) after which it weakened to a category 3 strength and passed over the island of Tongatapu (72,045) with the capital Nuku'alofa and the island of 'Eua (pop. 5,206). Damages have in general been much less than was feared with a storm of this strength. No deaths or serious injuries were reported. While the agriculture sectors suffered a lot of damage, damage to infrastructure and housing has been limited. Large parts of the main islands are still without power, which also causes disruption of the water supply. The population is advised to collect rainwater and use available water tanks

United Nations Office for Coordination of Humanitarian Affairs. (UNOCHA TC Rene update 2010/02/11 ; 6)

[Suva] : UNOCHA Pacific, 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/TON_TC_Rene_2010_UNOCHA_update_6.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4120.html>

4121

Scientists see early warning to damaging El Nino

AFP February 22, 2010. Weather experts say they have a tip that could give up to 14 months' warning before the onset of an El Nino, the weather anomaly that whacks countries around the Pacific and affects southern Africa and even Europe. At present, scientists are unable to give little more than a few months' notice that an El Nino is in the offing, which is often too late for farmers, fishermen and others to prepare for weather disruption. El Nino occurs every two to seven years, when the trade winds that circulate surface water in the tropical Pacific start to weaken

Paris : AFP, 2010. [2 p.] : col. ill..

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/AFP_2010_Scientist_see_earlywarning_El_nino.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4121.html>

URL : <http://au.news.yahoo.com/a/-/world/6834446/scientists-see-early-warning-to-damaging-el-nino/>

4122

Cook Islands / Tonga : New Zealand Red Cross aid work underway in pacific

22 Feb 2010. Two New Zealand Red Cross aid workers Douglas Clark and Clare Shave have arrived in the Pacific to assist with disaster assessment and response and administration and support. In Rarotonga, Clare Shave has been putting systems in place as aid and financial donations continue to flood into Cook Islands and Tonga Red Cross Societies. Cook Islands Red Cross Board Member, Patrick Arioka says that Red Cross teams are making a real

difference on the ground in Aitutaki, which remains an official disaster area. "Red Cross teams including branch members, staff and volunteers are working alongside residents of Aitutaki on the relief effort. Key priorities at this time include the provision of water containers and food supplies, the clearing of loose materials, providing psychological support and reducing the risk of dengue," Mr Arioka says

New Zealand Red Cross Society

[Wellington] : New Zealand Red Cross, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/NZRC_2010_Aid_work_underway_PAC.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4122.html>

URL : <http://www.reliefweb.int/rw/rwb.nsf/db900SID/MUMA-82W2MF?OpenDocument>

4123

Disaster response preparedness - an overview and OCHA's role

Presentation highlighting the role of OCHA in response preparedness

United Nations Office for Coordination of Humanitarian Affairs

Geneva : UNOCHA 2007 13 p. [25 slides]. Draft

Download : http://www.pacificdisaster.net/pdnadmin/data/original/UNOCHA_2007_response_preparednss.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4123.html>

URL :

<http://www.humanitarianreform.org/humanitarianreform/Portals/1/H%20Coordinators/HC%20retreat/Day%203/EP%20DRAFT%20PRESENTATION%20ON%20DISASTER%20RESPONSE%20PREPAREDNESS%2027.04.2007.ppt>

4124

Climate change and the global economy. Chapter 4 : climate Change and the global economy

This chapter highlights how climate change will affect economies, how can countries best adapt to climate change, and how countries can effectively and efficiently mitigate climate change

International Monetary Fund

[Washington, D.C.] : IMF 2008 57 p. [58 p.]. This Chapter 4 is from World Economic Outlook : Housing and the Business Cycle Ref. : p. 52-57

Download : http://www.pacificdisaster.net/pdnadmin/data/original/IMF_2008_CC_Global_Economy.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4124.html>

URL : <http://www.imf.org/external/pubs/ft/weo/2008/01/pdf/c4.pdf>

4125

Cook Islands : tropical cyclone Pat ; situation report no. 6 ; date: 22 February 2010 . UNOCHA situation report no. 6 on TC Pat

UNOCHA situation report no. 6 on TC Pat, 22nd February, 2010. The Cook Islands were hit by Tropical Cyclone Pat in the early hours of 10 February (Cook Islands time), and Aitutaki Island in the Southern Cooks was severely damaged. While the emergency operation such as the restoration of electricity and the distribution of food and non-food items are on-going, the Government is ready to move into an early recovery phase. The Early Recovery core team was established under the Minister of Finance

Kakuma, Minako. United Nations Office for Coordination of Humanitarian Affairs. (UNOCHA TC Pat 2010/02/08 ; 6) [Suva] : UNOCHA, 2010. 4 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_2010_Pat_OCHA_sitrep_6.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4125.html>

URL : http://www.reliefweb.int/rw/rwb.nsf/retrieveattachments?openagent&shortid=FBUO-82XK3Y&file=Full_Report.pdf

4126

Typhoid outbreak

The Fiji Times Tuesday, February 23, 2010. Forty four cases of typhoid have been confirmed in the country and the Ministry of Health has dispatched teams to affected areas to control the spread of the disease. According to the

Ministry, the re-emergence of the water-borne disease is caused by improper disposal of sewerage and the problem is being looked at as a national crisis. So far there have been 32 cases of typhoid reported in the Central Eastern division, five in the West (all of them in Namuimada, Ra) and seven in the North

Chand, Shalveen

[Suva] : Fiji Times Online, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_Typhoid_outbreak.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4126.html>

URL : <http://www.fijitimes.com/story.aspx?ref=archive&id=140577>

4127

Villagers ordered to clean-up villages

The Fiji Times, Tuesday, February 23, 2010. An outbreak of typhoid has seen two villages in Naitasiri cordoned off with a school used as a medical camp to test villagers. Villagers of Natoaika and Deladamanu were ordered to clean up the area after five cases of typhoid were confirmed in the villages. The Ministry of Health has warned the villagers to refrain from holding social gatherings, even avoid communal sessions of drinking yaqona to control the disease. According to the ministry, the local water supplies for the two villages are contaminated by the typhoid bacteria and a lack of hygiene has not helped in containing the disease. Divisional Medical Officer Central Dr Frances Bingwor said the cause for the typhoid outbreak in these areas has been identified as improper disposal of sewerage, allowing the bacteria to seep into the water supply system or water systems used for communal purposes

[Suva] : Fiji Times Online, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_villages_ordered_to_cleanup.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4127.html>

URL : <http://www.fijitimes.com/story.aspx?ref=archive&id=140579>

4128

Typhoid fever

Typhoid fever is a life-threatening illness caused by the bacterium Salmonella Typhi. Typhoid fever is still common in the developing world including some of the Pacific Island Countries, and in Fiji there is an outbreak (23/02/2010). Fiji Ministry of Health has issued typhoid alert after rising numbers of cases since last week. So far 44 cases have been found in the country this year and 32 in Central Eastern divisions. Salmonella Typhi lives only in humans. Persons with typhoid fever carry the bacteria in their blood stream and intestinal tract. Typhoid fever can be prevented and can usually be treated with antibiotics

Secretariat of the Pacific Community

[Suva : SPC], 2010. 3 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/CDC_Typhoid_Fever_Information.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4128.html>

4129

Urban supply safe : Health

The Fiji Times, Tuesday, February 23, 2010. Water supply in urban areas has been deemed safe with the outbreak of typhoid linked to places where the water supply is communal and sewerage is not disposed off proper. Director Public Health Dr Joe Koroivueta said water supply to urban homes was safe as the water was chlorinated and proper checks done before it was passed on to consumers. He said although the water supply was deemed safe, the chances of the disease spreading was high and therefore a national emergency approach was being taken. Dr Frances Bingwor says with typhoid there are times when the disease does not directly affect the person but the person becomes the carrier of the disease, spreading it to others through unhygienic practices. "That is one of the main reasons why we do not want people to hold social gatherings as there is a chance that there could be a risk of transmission of the disease

[Suva] : Fiji Times Online, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_MOH_Urban_supply_safe.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4129.html>

URL : <http://www.fijitimes.com/story.aspx?ref=archive&id=140580>

4130

Scientists gather information in Cook Islands for disaster preparedness

PAC News, 23/02/2010. Scientists from New Zealand are in Rarotonga and Aitutaki this month as part of an initiative to measure vulnerability and risk from earthquakes and cyclones in the Pacific Islands. Led by scientist Phil Glassie from NZ government owned research organisation, GNS Science, they will spend the next six months collecting information on buildings and other infrastructure in Pacific Island countries for the project. The ADB contracted GNS Science to carry out the work in association with the Pacific Disaster Centre and SOPAC over the next two years. The work on this field data collection phase of the project will be carried out in eight Pacific countries the Cook Islands, Fiji, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu

[Suva] : Pacific Islands News Association, 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_2010_Scientists_gather_information.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4130.html>

URL : <http://pina.com.fj/?p=pacnews&m=read&o=7914831804b834b95360fe48638e35>

4131

Public information bulletin for Aitutaki

Cook Islands News, 18th Feb, 2010. This Aitutaki public information bulletin was approved for release by mayor Tai Herman and Emergency Management Cook Islands. The New Zealand Defence Force has deployed a 12 member engineering detachment to Aitutaki and they have been asked to assist the Aitutaki EOC and island administration with immediate response and relief needs. Drinking water is now available at the Red Cross at Arutanga, Red Cross is distributing the tarpaulins and tents that has arrived. Tarps are being distributed island wide and the tents have started at Vaipai and Tautu and will continue from there. Water is being restored to about 90% of the island presently. However, this water is not safe for drinking. Members of the public are asked to boil all water to be used for drinking purposes

[Rarotonga] : Cook Islands News, 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_Tc_Pat_2010_Public_Info_bulletin.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4131.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002180813>

4132

Building codes to be invoked

Cook Island News, Mon 15 Feb, 2010. Building codes will have to be adhered to when reconstruction of private homes begins on Aitutaki following tropical cyclone Pat. "I think the lesson learnt is that if you are building your house, don't take any shortcuts," said Minister Wilkie Rasmussen after visiting the island last week

[Rarotonga : Cook Islands News], 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Building_codes_invoked.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4132.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002150702>

4133

Radio-thon raises \$70,000

Cook Island News, Mon 20 Feb, 2010. Rarotonga's radio waves were buzzing yesterday with pledges of cash donations, bids for items on auction and calls of support raising about \$70,000 for the Aitutaki Cyclone Appeal. The three commercial radio stations on Rarotonga - Radio Cook Islands, 88FM and Matariki FM dedicated yesterday to raising funds to help the people of Aitutaki

Wilson, Matariki

[Rarotonga : Cook Islands News], 2010. 2 p.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Radio_thon_raises_70000.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4133.html>
URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002200901>

4134

Rotary sends emergency response kits to Aitutaki

Cook Island News, Sat 20 Feb, 2010. Rotary New Zealand's world community services have donated 50 emergency response kits worth \$30,000 towards the Aitutaki cyclone relief efforts. Rarotonga Rotary club president Mike Pynenburg says the 22 kilograms kits contain a multitude of useful items. These include kitchen and household items, blankets, two sets of clothing for a whole family, tools (shovel, hammer, machete, and roofing nails, fishing lines), toiletries and medical supplies

Greig, Helen

[Rarotonga : Cook Islands News], 2010. 1 p.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Rotary_sends_emergency_responsekits.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4134.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002201203>

4135

Aitutaki plants crops for the future

Cook Island News, Wed 17 Feb, 2010. Head agriculture officer Fred Charlie who is leading the crop planting project on Aitutaki said that its time to rebuild and plant. Most of the food crops and fruits trees on Aitutaki were destroyed during cyclone Pat, however Charlie says that some root crops are still good and will feed the island for the next month or two. Nine agriculture officers from Rarotonga will join the four on Aitutaki to help propagate new crops on the island

Wilson, Matariki

[Rarotonga : Cook Islands News], 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Aitutaki_plants_crop.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4135.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002170908>

4136

Depression near northern Cook Islands likely to become cyclone

RNZI/PACNEWS, 22/02/2010. A tropical depression near the Northern Cook Islands is likely to develop into a tropical cyclone in the next 12 hours. The Fiji Meteorological Service said the depression is currently sitting 20 nautical miles west/northwest of Penrhyn moving Southeast at about 12 knots

[Suva] : Pacific Islands News Association, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_2010_Depression_near_cyclone.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4136.html>

URL : <http://pina.com.fj/?p=pacnews&m=read&o=15522900454b81c8930166ffd94b91>

4137

Health minister takes team to Aitutaki to assess needs

Cook Islands News, Fri 19 Feb, 2010. An assessment of the social service needs of Aitutaki by Minister of Health and Internal Affairs, Apii Piho. He said secretary of Health Tupou Faireka and secretary of Internal Affairs Bredina Drollet as well as a Red Cross representative were accompanying him to look at the current health and welfare of the elderly, disabled and infirm on the island. Piho expected to be meeting with Aitutaki mayor Tai Herman, traditional leaders and other members of the community to discuss their immediate health and welfare needs

Greig, Helen

[Rarotonga : Cook Islands News], 2010. 2 p.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Aitutaki_to_assess_needs.pdf
HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4137.html>
URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002190802>

4138

Buildings assessed

Cook Islands News, 20th Feb, 2010. The initial cyclone Pat assessment report on building damages on the island of Aitutaki has helped authorities identify the families in most need of emergency housing equipment including tarpaulins and tents. The initial building damage survey was conducted by the Ministry of Infrastructure and Planning, Red Cross, Telecom Cook Islands and Public Health and results were released in a report on February 15. The survey found that of the 762 buildings on the island, 388 sustained damages ranging from minor to being completely destroyed

Wilson, Matariki

[Rarotonga : Cook Islands News], 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Buildings_assessed.pdf
HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4138.html>
URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002200905>

4139

It's a crisis [Typhoid Fever]

The Fiji Times, 23th February, 2010. Police to control outbreak troops and police officers have been placed on alert to help control a national outbreak of typhoid. This follows the initial refusal of villagers to heed the Health Ministry's advice to refrain from holding large public gatherings. Director Public Health Doctor Jo Koroivueta, confirmed that 44 cases of typhoid had been found across the country

Chand, Shalveen

[Suva] : Fiji Times Online, 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_Typhoid_its_crisis.pdf
HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4139.html>
URL : <http://www.fijitimes.com/story.aspx?ref=archive&id=140570>

4140

Basic hygiene the key

The Fiji Times, Thursday, February 25, 2010. Having battled typhoid for 10 years and achieving a 52 per cent reduction rate, the biggest lesson the Northern Division has to offer the rest of Fiji is good basic hygiene. Divisional medical officer Northern Dr Samuela Korovou said that a bombardment of villages and communities with issues on basic hygiene had proved the catalyst for positive change that got them from the grips of typhoid that had affected the division

[Suva] : Fiji Times Online, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_hygiene_key.pdf
HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4140.html>
URL : <http://www.fijitimes.com/story.aspx?id=140717>

4141

Typhoid pill plan concern

The Fiji Times, February 25, 2010. The Health Ministry won't issue chlorine tablets to villages and settlements where the outbreak of typhoid has been identified. According to Divisional Medical Officer Central Dr Frances Bingwor said the tablets required people to take the right dosage of water and there could be miscalculations." The tablets are one of the options available to us for the safe distribution of drinking water but we are at this point hesitant about distributing them. The number of cases identified for this year stands at 44 with no new cases reported in the past two days

Chand, Shalveen

[Suva] : Fiji Times Online, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_Typhoid_pill_plan.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4141.html>

URL : <http://www.fijitimes.com/story.aspx?id=140719>

4142

Magnitude 8.0 Samoa Islands region : Tuesday, September 29, 2009 at 17:48:11 UTC

Incorporated Research Institutions for Seismology (IRIS) presentation of the September 29, 2009 M8.0 Samoa Islands region earthquake. While there was minimal damage from the earthquake, most of the damage and all of the loss of life from this earthquake was from the resulting tsunami. There was a widespread damage to infrastructure, communications, and power. There was additional damage on the islands from the landslides

Incorporated Research Institutions for Seismology

[Washington D.C.] : IRIS, 2010. 6 p. [11 slides] : col. ill..

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/WSM_EQ_2009_mag8_damage_assessment.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4142.html>

URL :

http://www.iris.edu/hq/files/programs/education_and_outreach/retm/tm_090929_samoa/090929_samoa.pdf

4143

Aitutaki schools aim to reopen next week

Cook Islands News, Fri 19 Feb, 2010. Schools in Aitutaki are aiming to at least be partially up and running. Education secretary Sharyn Paio says currently director of operations Ina Herrmann and guidance counsellor Sarah Milne are in Aitutaki working with principals and teachers, helping support their efforts to get schools operational again. The NZ Defence Force as been helping, repairing roofing and chopping trees and (through NZAID) have offered to do the immediate work required on the schools to get them operational

Greig, Helen

[Rarotonga : Cook Islands News], 2010. 2 p. : col. ill..

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Aitutaki_schools_reopen.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4143.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002190707>

4144

Red Cross pleased with support

Cook Islands News, Sat 20 Feb, 2010. Red Cross teams are making a real difference on the ground in Aitutaki," says Patrick Arioka, a board member for the Cook Islands Red Cross, who has recently returned from the island. Red Cross teams, are working alongside the residents of Aitutaki and others on the relief effort. The Australian Red Cross has sent a water purifier to the island and this is helping with the water shortage. Community members, churches and businesses have made generous donations of money, food and water, along with other contributions in kind, and this has also made a big difference to the relief effort. The Red Cross, in partnership with the Ministry of Health, Education, Internal Affairs and other relevant authorities, will be providing psychological support

[Rarotonga : Cook Islands News], 2010. 2 p. : col. ill..

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Red_Cross_pleased_support.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4144.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002201203>

4145

Relief funds grow

Cook Islands news, Sat 20 Feb, 2010. Minister in charge of the national cyclone relief for Aitutaki, Wilkie Rasmussen, says pledges of relief funds from other countries and organisations are beginning to grow rapidly. Already around \$8

million in NZAID funds which have been allocated. The minister is hoping much more funding will be coming in to cover the high cost of building reconstruction which he believes will be much higher than the \$12 million initial estimate

Greig, Helen

[Rarotonga : Cook Islands News], 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_Relief_funds_grow.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4145.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002200107>

4146

Natural biodiversity check-up underway

Cook Islands News, Fri 19 Feb, 2010. Director and researcher of the Cook Islands Natural Heritage Project Gerald McCormack has flown to Aitutaki to carry out an assessment on the biodiversity of the main island and motus. The motus of Aitutaki are known worldwide for their picturesque sandy beaches, bountiful and lush greens, land, seabirds and colourful underwater marine world. The motus were badly lashed by Cyclone Pat, which damaged trees and shrubs that have been home to many island and sea birds. The assessment by McCormack is critical since it will determine what has been damaged, what has been lost and how to move forward

[Rarotonga : Cook Islands News], 2010. 1 p.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_Tc_Pat_2010_Natural_biodiversitycheckup.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4146.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/cyclone.php#1002190903>

4147

Tongan Advisory Council in NZ wants information about needs following cyclone Rene

RNZI / PACNEWS , 22/02/2010. The New Zealand based Tongan Advisory council is frustrated by the lack of information about what assistance Tonga needs following Cyclone Rene. More detailed information from Tonga is required in order to provide the relief needs to the people

[Suva] : Pacific Islands News Association, 2010 1 p.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/TON_TC_Rene_Advisory_council_information.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4147.html>

URL : <http://pina.com.fj/?p=pacnews&m=read&o=14099156074b81e92a550947190aec>

4148

Hercules brings relief supplies

Cook Islands News, Mon 15 Feb, 2010. Air force Hercules delivers emergency supplies to Aitutaki. Squadron Leader Kavae Tamariki, a Cook Islander, with the relief mission as communications and media advisor said the Royal New Zealand Air Force C-130 Hercules would be carry tarpaulins, water containers, tents, chainsaw packs and other basic supplies. He said the plane would do two or three flights to Aitutaki in order to transport Red Cross supplies and stores and equipment needed to restore electricity and water Reticulation. NZ High Commissioner Nicola Ngawati said that the New Zealand Government is committed to helping the people of Aitutaki recover from the damage caused by cyclone Pat

Woods, John

[Rarotonga : Cook Islands News], 2010. 2 p. : col. ill.

Download :

http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_Hercules_bring_relief_supplies.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4148.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/local.htm#1002150103>

4149

Restoring power and water not easy

Cook Islands News, 15th Feb, 2010. Restoring power to homes in cyclone-ravaged Aitutaki is still a difficult challenge and the priority for officials. Aitutaki mayor Tai Herman said homes still with power were those least affected by the storm or were already supplied power via underground cables

Wilson, Matariki

[Rarotonga : Cook Islands News], 2010. 2 p..

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_restoring_power.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4149.html>

URL : <http://www.cinews.co.ck/2010/February/Wed17/local.htm#1002150100>

4150

Awareness campaign on

The Fiji Times, Friday, February 26, 2010. Typhoid awareness programs have been maintained at community level in the North, regardless of the fact that cases there have dropped 52 per cent. The health officials have been through villages and settlements providing basic education on hygienic living and prevention of typhoid

[Suva] : Fiji Times Online, 2010. 1 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_Awareness_campaign.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4150.html>

URL : <http://www.fijitimes.com/story.aspx?id=140804>

4151

Typhoid toll at 92

The Fiji Times, Friday, February 26, 2010. The number of typhoid cases identified by the Ministry of Health yesterday has risen to 92, with most cases reported in the Western Div Divisional Medical Officer Central Dr Frances Bingwor said out of the 92 cases identified, 37 cases were from the Western Division, 30 from the Central Division, 22 in the Northern Division and three in the Eastern Division. "Most of the 92 cases have finished their antibiotic treatment and others are still under supervision but no deaths have been reported so far" she said. A scientific way to control the outbreak is to treat confirmed cases with antibiotics

[Suva] : Fiji Times Online, 2010. 2 p.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/FJI_2010_typhoid_stand_92.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4151.html>

URL : <http://www.fijitimes.com/story.aspx?id=140801>

4152

Addressing the humanitarian challenges of climate change : regional and national perspectives. Case studies on climate change adaptation

The 19 case studies presented in this report showcase good practice in addressing the challenges of climate change. They focus on expanding and improving activities to prepare for and respond to climate risks and livelihood strengthening, natural resource management and health related adaptation projects, notably to secure sustainable sources of food and water security and build resilience to climate change. The report intends to be a method for sharing knowledge and experience between agencies and regions, and aims at serving to inform future adaptation action

Selby, Sarah. Inter-Agency Standing Committee

[Geneva] : IASC, 2010. 43 p. [47 p.] : col. ill.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/IASC_Addressing_Challenges_CC_casestudy.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4152.html>

URL : http://www.preventionweb.net/files/12842_IASCclimate12669031111.pdf

4153

Mainstreaming climate change in ADB operations : climate change implementation plan for the Pacific (2009 - 2015). Pacific studies series

A framework to help Pacific countries develop and implement regional, national, and sectoral climate change investments and action plans to 2015. It outlines the need to scale up climate change adaptation and mitigation efforts, and to invest in capacity development as part of this process. It states that mainstreaming climate change adaptation and mitigation responses in the development planning process is critical. The report aims to further guide the Asia Development Bank's operations in the Pacific by promoting mainstreaming of climate change considerations into national development policies, plans and programs, and into its own operations activities

Brotoisworo, Edy. Asian Development Bank

Manila : ADB, 2010. xii, 124 p. [137 p.] : col. ill.. Appendix 1-7 : p. 56-124 Ref. : p. 51-54

Download : http://www.pacificdisaster.net/pdnadmin/data/original/ADB_2009_Mainstreaming_CC.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4153.html>

URL : <http://www.adb.org/Documents/Books/Climate-Change-Implementation-Plan/ccip.pdf>

4154

Aitutaki, Cook Islands : post-disaster imagery-buildings

Spot multi spectral image, recorded 14th February 2010, 100m grid. UTM WGS 84 Zone 4 South

Forstreuter, Wolf European Space Agency

[Suva] : SOPAC, 2010. [2 p.] : col. ill..

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_post_disaster_imagery.pdf

Direct Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4154.html>

4155

Cook Islands : cyclone Pat

11 Feb 2010. Map illustrating the path of cyclone Pat. Cyclone Pat brought strong winds to the islands of Aitutaki, Rarotonga and Palmerston in Cook Islands. Estimated 2,194 people affected, 8 injured and 80 % of housing damaged

United Nations. Office for the Coordination of Humanitarian Affairs

[Geneva] : UNOCHA 2010 1 p. : col. ill.

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Pat_2010_map.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4155.html>

URL : [http://www.reliefweb.int/rw/fullmaps_oc.nsf/luFullMap/2832F0E5B0A23F5BC12576CB004D312E/\\$File/TC-2010-000024-COK_0215.pdf?OpenElement](http://www.reliefweb.int/rw/fullmaps_oc.nsf/luFullMap/2832F0E5B0A23F5BC12576CB004D312E/$File/TC-2010-000024-COK_0215.pdf?OpenElement)

4156

OCHA update 1 - Cook Islands and TD 11F ; 26 February 2010

26 February 2010, Fiji Met Service has just issued a TROPICAL CYCLONE ALERT for Aitutaki and a GALE WARNING for Palmerston because of Tropical Depression 11F (1000 HPA). TD 11F is currently located 16.6 S, 163.6 W or about 260 nautical miles west-northwest of Aitutaki or about 90 nautical miles north-northwest of Palmerston (pop. 63, census 2006) or about 350 nautical miles northwest of Rarotonga in the Cook Islands, moving south-southeast at 5.5 knots. TD 11F is expected to develop into a tropical cyclone in the next 6-12 hours

Muller, Peter. United Nations. Office for the Coordination of Humanitarian Affairs

[Suva] : UNOCHA Pacific, 2010. [2 p.].

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TD11_2010_UNOCHA_update1.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4156.html>

4158

Tropical cyclone Sarah in Cook Islands OCHA update No. 2

27 February 2010, TC Sarah is currently located near 17.1S and 163.1W or about 60 nautical miles north of Palmerston (pop. 63) or about 220 nautical miles west-northwest of Aitutaki. See track map attached. TC Sarah (995 HPA) is presently a Category 1 cyclone with average winds estimated to be 35 knots (65km/hr) and momentary gusts up to 55 knots (100 km/hr) close to its centre. Prospects for its intensification and especially into a Category 2 cyclone are very low as the system is encountering increasing wind shear aloft which is limiting its development. The Fiji Met Service notes that the system may therefore not last long as a tropical cyclone

Muller, Peter. United Nations. Office for the Coordination of Humanitarian Affairs

[Suva] : UNOCHA Pacific, 2010. [2 p.].

Download : http://www.pacificdisaster.net/pdnadmin/data/original/COK_TC_Sarah_2010_UNOCHA_update2.pdf

HTML Link : <http://www.pacificdisaster.net/pdnadmin/data/documents/4158.html>

For more information about disaster risk management in the Pacific Region, please go to
<http://www.pacificdisaster.net> .

This list is available for download under <http://www.pacificdisaster.net:8080/Plone/development> .

For questions and content contributions please contact Jutta May, <mailto:jutta@sopac.org> .

Kind Regards



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