



Dear members of the Regional Wildland Fire Networks and associated experts:

This 15<sup>th</sup> issue of the Global Wildland Fire Network Bulletin is providing the final draft of the Third Annual Global Wildland Fire Fatalities Report covering the year 2010. This report is based on the evaluation of media (newspaper, radio broadcasts and TV) published on the internet, as well as agency reports from throughout the world.

GFMC has received several responses to the draft First Annual Global Wildland Fire Fatalities Report (covering 2008). One recipient of the report suggested not to include shack fires in informal settlements in South Africa, or fatalities of car accidents caused by wildland fire smoke. GFMC is taking the opportunity to clarify: This report includes all death and injuries of firefighters and civilians related one way or the other to wildfires, i.e. accidents during firefighting, accidents on the way to respond to a fire, wildfires affecting people in wildlands or structures ignited by wildfires, or other indirect accidents (e.g., by smoke-reduced visibility, or people admitted to hospitals, medical treatment or deceased due to wildland fire smoke inhalation).

Since only a fraction of wildfire-related accidents may be reported through media and subsequently published on the web, we presume that our attempt to compile a global statistical database is still very incomplete and may scratch the surface only. Unlike the World Almanac and other databases such as the International Disaster Database of the Centre for Research on the Epidemiology of Disasters (CRED)<sup>1</sup>, GFMC aims at identifying all individual incidents that have been reported. At the end of this report weblinks are provided to a number of publications / reports.

The short incident notes (by country, in alphabetic order) are taken from the detailed reports that have been published by GFMC between January and December 2010 (<http://www.fire.uni-freiburg.de/media/news.htm>). Links to the detailed reports are provided. Note: Due to some copyright restrictions the GFMC database cannot be published freely accessible on the GFMC website. However, institutions or individuals interested to work with GFMC in the scientific evaluation of data may request password-protected access.

The 2010 report shows that 279 people were killed worldwide due to wildland fires and 140 more were injured. These figures are down from the previous year with 374 fatalities and 160 injuries recorded in 2009 (IFFN-GFMC UNISDR Global Wildland Fire Network Bulletin No. 14). However, the severe fire and smoke pollution episode in the Russian Federation in July-August 2010 did not only result in 60 fatalities directly attributed to the fires, but also to many thousands more 'premature deaths' related to extremely high temperatures and air pollution generated by wildfire smoke. According to official government sources about 56,000 more people died in Russia in July-August 2010 as compared to

<sup>1</sup> [www.cred.be](http://www.cred.be) - Note: the CRED defines a disaster as "a situation or event which overwhelms local capacity, necessitating a request to a national or international level for external assistance; an unforeseen and often sudden event that causes great damage, destruction and human suffering". For a disaster to be entered into the database, at least one of the following criteria must be fulfilled:

- 10 or more people reported killed
- 100 or more people reported affected
- declaration of a state of emergency
- call for international assistance

The GFMC does not follow these criteria as fatalities or injuries caused by wildfires are usually below these thresholds, and the high number of incidents would otherwise not be recorded at all. The 2009 2010 reports by CRED does not provide explicit data on wildfire-related incidents.



International Forest Fire News (IFFN) is an activity of the UNECE/FAO Team of Specialists on Forest Fire and the Global Fire Monitoring Center (GFMC). IFFN is published on behalf of UNECE Timber Committee and the FAO European Forestry Commission and is serving the UN-ISDR Global Wildland Fire Network (GWFN). Since June 2005 the IFFN/ GFMC Bulletin is providing short news and global fire update information to members of Regional Wildland Fire Networks and partners. GFMC Website: <http://www.fire.uni-freiburg.de>  
Website of archive of the Bulletin: [http://www.fire.uni-freiburg.de/media/bulletin\\_news.htm](http://www.fire.uni-freiburg.de/media/bulletin_news.htm)

the two months in 2009. In August 2010 Moscow's Health Department reported deaths had nearly doubled in the city to about 700 a day.

In Asia, 67 people were killed by fire, notably in China. Israel also suffered the highest number of fire-related deaths in years, with 44 persons perished in the Mt Carmel fire. In Africa, which is particularly under-represented in media reporting, 52 fatalities were recorded, including 21 in Zimbabwe. In the United States 36 people were killed and 44 injured. The figures also reflect a high proportion of children killed in fires, particularly in countries such as Nepal, Pakistan, South Africa and Zimbabwe.

In order to complete this report the members and associated experts of the Regional Wildland Fire Networks as well as other recipients of this Bulletin are kindly asked to review their home databases and media reports and return data and / or reports back to the GFMC ([fire@fire.uni-freiburg.de](mailto:fire@fire.uni-freiburg.de)). All reports should provide a source that could be quoted in the final version of the Second Annual Global Wildland Fire Fatalities Report. The website of archive of the Global Bulletins is: [http://www.fire.uni-freiburg.de/media/bulletin\\_news.htm](http://www.fire.uni-freiburg.de/media/bulletin_news.htm).

Freiburg, Germany, 31 July 2011

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GFMC Officer / GFMC Director

## **Wildfire fatalities January – December 2010: Overview by countries**

Report Status: 31 July 2011

### **Australia: Total – 1 killed, 8 injured**

#### 4 injured:

Perth: Three firefighters have suffered smoke inhalation and one treated for a knee injury. (4 January 2010, [http://www.fire.uni-freiburg.de/media/2010/01/news\\_20100104\\_au6.htm](http://www.fire.uni-freiburg.de/media/2010/01/news_20100104_au6.htm) )

#### 1 killed, 4 injured:

A firefighter was killed and four others were injured when their fire truck rolled over while they were responding to a grass fire at Lake Mokoan near Benalla in northeast Victoria, Australia. (9 January 2010, [http://www.fire.uni-freiburg.de/media/2010/01/news\\_20100111\\_au2.htm](http://www.fire.uni-freiburg.de/media/2010/01/news_20100111_au2.htm) )

### **Bhutan: Total – 2 killed**

#### 2 killed:

Two women, who volunteered to fight a forest fire at Kabji Pateri in Punakha, were killed on the spot on Saturday, when the fire, fanned by fierce winds, engulfed them. (4 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100412\\_bt.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100412_bt.htm) )

### **Canada: Total – 5 killed, 3 injured**

#### 1 injured:

Man airlifted to hospital after grass fire: A 57-year-old man was taken to Calgary by air ambulance after suffering burns to his legs while welding at work on Tuesday afternoon. He was using welding equipment when the grass around him caught on fire. His workpants then caught on fire, causing significant burns to both his legs. (22 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100422\\_ca.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100422_ca.htm))

1 killed:

A 62 year old Pilot was conducting a practice flight in a Grumman TBM-3E Avenger when the water bomber crashed only a few minutes after taking off from the Miramichi airport, New Brunswick. He was the only person in the aircraft (23 April 2010).

2 killed:

2 firefighters were killed in a car accident three kilometers west of Conkin Corners, near Liesmer Fire Base, Alberta (21 July 2010).

2 injured:

Two men were injured Thursday when the helicopter they were operating to fight a forest fire near Lillooet crashed, RCMP said. (29 July 2010, <http://www.vancouversun.com/Chopper+fighting+forest+fire+crashes/3338829/story.html#ixzz0v9cixCph>)

2 killed:

A Conair water bomber—an aircraft designed to help put out forest fires—crashed 160 kilometres northeast of Vancouver on Saturday, killing both pilots inside and sparking a forest fire itself. (2 August 2010, [http://www.fire.uni-freiburg.de/media/2010/08/news\\_20100802\\_ca.htm](http://www.fire.uni-freiburg.de/media/2010/08/news_20100802_ca.htm) )

**China: Total – 37 killed, 3 injured**

3 killed:

Three forest workers died while trying to put out flames that engulfed forests in southwest China's Yunnan Province Tuesday, the local government said early Wednesday. (17 February 2010, [http://www.fire.uni-freiburg.de/media/2010/02/news\\_20100217\\_cn.htm](http://www.fire.uni-freiburg.de/media/2010/02/news_20100217_cn.htm))

12 killed:

12 people who were killed fighting a forest fire in southwest China's Yunnan Province. The dead were all villagers from Cuiyu Township, Lijiang City, who helped fight the fire. (26 May 2010, [www.english.cri.cn](http://www.english.cri.cn))

22 killed, 3 injured

A spreading grassland fire in a mountainous Tibetan region in southwest China proved deadly when it trapped soldiers and local residents trying to put out the blaze. By last night, at least 22 had been killed and three severely burned, local officials said. Of the 22 fatalities, 15 were soldiers, two were workers with the grassland administration while five others were local civilians, officials said. (6 December 2010, [www.shanghaidaily.com](http://www.shanghaidaily.com))

**Congo: Total – 8 killed**

8 killed:

DR Congo bush fires kill eight, burn 500 homes (23 August 2010, [www.reliefweb.int](http://www.reliefweb.int) )

**India: Total – 11 killed, 6 injured**

7 killed:

At least seven people have died this year in the 'jhum' fires in the northeastern state of Mizoram since February. (12 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100312\\_in2.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100312_in2.htm) )

6 injured:

Six persons were injured in separate incidents of fire in Jammu division today. (25 May, [http://www.fire.uni-freiburg.de/media/2010/05/news\\_20100528\\_ind2.htm](http://www.fire.uni-freiburg.de/media/2010/05/news_20100528_ind2.htm) )

4 killed:

Four persons, including a minor were charred to death in a forest fire at Noklak in Tuensang district of Nagaland, India. (19 February 2010, [www.dnaindia.com](http://www.dnaindia.com))

**Israel: Total – 44 killed, 2 injured**

**2 injured:**

Eighteen-month-old twins were moderately injured from smoke inhalation in Jerusalem, in one of two blazes which ravaged the capital and its surroundings on Sunday. (25 July 2010, [http://www.fire.uni-freiburg.de/media/2010/07/news\\_20100725\\_il.htm](http://www.fire.uni-freiburg.de/media/2010/07/news_20100725_il.htm) )

**40 killed:**

A huge brushfire was raging across the Carmel Mountains near Haifa on Thursday afternoon, resulting in the death of some 40 people and hurting dozens of others, among them prison guards and firemen. The 40 individuals who died were students in the Prison Service's prison guard course who were being brought to the Damon Prison to aid in evacuating the prisoners there. (02 December 2010, [http://www.fire.uni-freiburg.de/GFMCnew/2010/12/02/20101202\\_il.htm](http://www.fire.uni-freiburg.de/GFMCnew/2010/12/02/20101202_il.htm))

**1 killed:**

An Israeli firefighter burned trying to rescue Prison Service cadets trapped by a wildfire died Saturday, the 44th victim of the Carmel fire (6 December 2010, [http://www.upi.com/Top\\_News/World-News/2010/12/18/Firefighter-injured-in-Israel-fire-dies/UPI-96671292723981/](http://www.upi.com/Top_News/World-News/2010/12/18/Firefighter-injured-in-Israel-fire-dies/UPI-96671292723981/)).

**Japan: Total – 3 killed**

**3 killed:**

Three firefighters have perished in the line of duty in the Higashi-Fuji training area in Japan. A field was burning and three were trapped by the flames and could not be rescued in time (20 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100320\\_jp.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100320_jp.htm)).

**Kazakhstan: Total – 6 killed**

**5 killed:**

Forest fires have killed five people in northern Kazakhstan, the country's Emergencies Ministry said on Thursday, as neighbouring Russia sent aircraft to fight blazes advancing onto its territory (9 September 2010, <http://www.reliefweb.int/rw/rwb.nsf/db900SID/EKIM-8958SE?OpenDocument>).

**1 more dead person reported:**

Emergency workers on Thursday battled raging forest fires that have killed six people in northeastern Kazakhstan and destroyed an entire village in a neighbouring Russian region (9 September 2010, [http://www.terradyaily.com/reports/Six\\_dead\\_in\\_Kazakh\\_forest\\_fires\\_close\\_to\\_Russia\\_official\\_999.html](http://www.terradyaily.com/reports/Six_dead_in_Kazakh_forest_fires_close_to_Russia_official_999.html))

**Lebanon: Total – 6 injured**

**6 injured:**

The blaze has claimed no lives, but six civil defence personnel have suffered minor injuries. Frightened villagers began to flee from their homes on Sunday (local time) (6 December 2010, [http://www.fire.uni-freiburg.de/media/2010/12/news\\_20101206\\_lb2.htm](http://www.fire.uni-freiburg.de/media/2010/12/news_20101206_lb2.htm)).

**Mongolia: Total – 2 killed, 7 injured**

**2 killed, 7 injured**

National Emergency Management Agency of Mongolia reports 2 killed, 7 injured by steppe fire in 2010. The fire started by local herder who had burning dried and compressed dung near his home in Munkhkhaan soum of Sukhbaatar (1 May, 2010, <http://www.open-government.mn/read-551-.html>).

**Nepal: Total – 9 killed, 35 injured**

**2 killed:**

Two children, Man Bahadur (4) and Rabin (2) (Sons of Mr. Ratna Bahadur Jogi) died when a forest fire entered into Ward Number 7 of Yang-Pang Village Development Committee of Bhojpur district (3 April 2010, <http://www.annapurnapost.com>).

**1 killed, 2 injured (-1):**

Indira Rai (60) died and Ful Kumari Rai and Ram Maya Rai seriously injured when a forest fire (Pathibhara Forest) entered into houses in Thapchuwa village of Dhankuta district (3 April 2010, <http://www.annapurnapost.com>).

**1 killed:**

Ful Kumari Rai died during treatment in BP Koirala Hospital in Dharan who was injured in Pathibhara forest fire of Dhankuta yesterday (4 April 2010, [www.ekantipur.com/np](http://www.ekantipur.com/np)).

**5 injured:**

Five Community fire fighters Mr. Krishna Bir Baraghare, Bal B. Somai Magar, Chandrakali Gaha Magar, Padam B. Suryabansi and Devi Singh Gaha Magar injured while fighting a fire in Rithubarna community forest in Chitawan district (6 April 2010, [www.nagariknews.com](http://www.nagariknews.com)).

**1 injured:**

One police person injured by fire in Babiyakharka community forest in Ramechhap district (9 April 2010, <http://www.annapurnapost.com>).

**1 killed, 12 injured:**

Mr. Faras B. Khattri (36) died and twelve persons including many old people and children injured. In the incident, six villages were burnt including Maoist camp in Rolpa district (23 April 2010, [www.ekantipur.com/np](http://www.ekantipur.com/np)).

**1 killed:**

Ms. Chari Maya Pun (75), trapped and killed by an uncontrollable fire while fighting it in Musabari Forest in Mygdi district (24 April 2010, <http://www.annapurnapost.com>).

**2 injured:**

Mr. Birendra P. Yadhav and his wife Ms. Shova Devi injured when a forest fire entered the village in Bara District. Three houses were also completely burnt (26 April 2010, [www.ekantipur.com/np](http://www.ekantipur.com/np)).

**12 injured:**

Twelve community people injured while fighting fire in Suryodaya Community Forest in Rukum district (28 April 2010, [www.ekantipur.com/np](http://www.ekantipur.com/np)).

**3 killed, 2 injured:**

Three persons, including a pregnant woman, were killed in a blaze in Damachaur of Salyan district, while more than 50 houses were burnt to ashes. Sarita Pun, 35, and Khagendra Pun, 5, have been undergoing treatment in Sitalpati. Five houses were burnt to ashes in the fire (14 May 2010, [http://www.fire.uni-freiburg.de/media/2010/05/news\\_20100514\\_np.htm](http://www.fire.uni-freiburg.de/media/2010/05/news_20100514_np.htm)).

**Nigeria: Total – 16 killed**

**16 killed:**

The Oodua Peoples Congress (OPC) in Ido Local Government Area of Oyo State has stated that its members were not responsible for the burning of bush that led to a fatal motor accident that claimed lives of 16 people along Ibadan-Abeokuta Expressway (reported 2 February 2010, <http://allafrica.com/stories/201102020311.html>).

**Pakistan: Total – 5 killed**

**5 killed:**

Five children of a family have been killed when fire engulfed the fields in district Rahim Yar Khan on Thursday (11 February 2010, [http://www.fire.uni-freiburg.de/media/2010/02/news\\_20100211\\_pk.htm](http://www.fire.uni-freiburg.de/media/2010/02/news_20100211_pk.htm)).

**Papua New Guinea: Total – 6 killed**

**6 killed:**

Six children were burnt to death in a bushfire last week when they went out picking fruit near a remote Eastern Highlands village. The Post Courier newspaper reports that the six were believed to be trapped in a gorge surrounded by high cliffs and the Waiyamba river in Okapa District. The victims were aged between seven and 12 (20 August 2010, <http://www.rnzi.com/pages/news.php?op=read&id=55424>).

**Russian Federation: Total – 60 plus 56,800 killed:**

Russia's death rate rose by more than a quarter during August's heat wave and forest fire crisis, official data show. According to the state statistics office, 41,262 more people died than during the same month of 2009. The highest rise in mortality was recorded in Moscow and other regions badly affected by the heat such as Samara and Voronezh. The data published on the state statistics office's website show that 191,951 people died across Russia in August 2010, compared to 150,689 in August 2009. In the city of Moscow, 15,016 people died compared to 8,905 the previous year. Russian demographer Sergei Zakharov told the BBC's Russian service that no data was available on causes of death but he accepted that "the intense heat and smog [from burning peat bogs] could have led to a rise in the death rate" (08 October 2010, <http://www.bbc.co.uk/news/world-europe-11503550>).

Nearly 56,000 more people died in July and August compared with the previous summer, the Economic Development Ministry said in a monthly report on Russia's economy released this week. "In connection with the unusual heat, forest fires and smoke, 14,500 more people died in July this year and 41,300 more people died in August than during the same period last year," said the report's section about demographics. Deaths from digestive and circulatory system diseases as well as from cancer increased, the report said. About 374,000 Russians died in July and August, up 17.5 percent from 2009, the report said. In August alone, about 192,000 died, up more than 27 percent from August 2009. In August, Moscow's health department chief said deaths had nearly doubled in the city to about 700 a day. There were fewer than 60 official deaths nationwide from the wildfires themselves (27 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101027\\_ru.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101027_ru.htm)).

Alexander Chupriyan, Deputy Minister, EMERCOM of Russia reported 9 villages burned out, 2,000 houses and facilities damaged and 53 persons killed in the first days of the fire. (10 May 2011, [http://www.preventionweb.net/files/globalplatform/entry\\_presentation~russianaturalfires2010%5B1%5D.pdf](http://www.preventionweb.net/files/globalplatform/entry_presentation~russianaturalfires2010%5B1%5D.pdf))

**South Africa: Total – 7 killed, 19 injured**

**2 injured:**

Dr. Paul and son-in-law winemaker Andries Burger were fighting a ferocious bush fire which consumed the fynbos covered mountains on the De Rust and neighbouring Oak Valley farms when a wind shift sent the 2m tall flames in his direction at about 3pm. "He dived and rolled" reported Jacqueline Harris "but sustained third degree burns over 20% of his body, mainly to his arms and chest (2 January 2010, [http://www.fire.uni-freiburg.de/media/2010/01/news\\_20100104\\_za4.htm](http://www.fire.uni-freiburg.de/media/2010/01/news_20100104_za4.htm))

**1 killed:**

In one of the latest fires to hit the Overberg, a man was killed when a blaze broke out in an informal settlement in Gansbaai (4 January 2010, [http://www.fire.uni-freiburg.de/media/2010/01/news\\_20100104\\_za2.htm](http://www.fire.uni-freiburg.de/media/2010/01/news_20100104_za2.htm))

1 injured:

A homeless man was burnt on his face, arms and legs in a veld fire in Pietermaritzburg on Thursday, KwaZulu-Natal paramedics said (15 July 2010, [http://www.fire.uni-freiburg.de/media/2010/07/news\\_20100715\\_za.htm](http://www.fire.uni-freiburg.de/media/2010/07/news_20100715_za.htm))

16 injured, 1 killed:

A group of 17 children were burned when they tried to put out a veld fire near Bela Bela, Limpopo police said on Wednesday. The SABC reported on Wednesday that one of the children had since died (16 July 2010, [http://www.fire.uni-freiburg.de/media/2010/07/news\\_20100716\\_za.htm](http://www.fire.uni-freiburg.de/media/2010/07/news_20100716_za.htm))

3 killed:

Two men and a disabled six-year-old boy died of burns from a veld fire in Willowvale, south-east of Queenstown, Eastern Cape police said yesterday (06 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101006\\_za.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101006_za.htm))

1 killed:

Jaco Nortje was celebrating his 21st birthday when a fire broke out on a farm next to the Kaallaagte road between Bethlehem and Paul Roux. He was called to assist by his brother and on the way he was trapped by the fire in his vehicle. He tried to run from the fire but was caught in the fire and suffered critical burn wounds. His family and friends found him and rushed him to hospital where he later died (10 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101010\\_za.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101010_za.htm))

1 killed:

Runaway veld fires in the Free State have claimed the life of a second farmer. Sixty-four-year old Koos du Toit also sustained serious injuries in a veld fire two months ago at Soutpan, near Bloemfontein (26 November 2010, [http://www.fire.uni-freiburg.de/media/2010/11/news\\_20101126\\_za.htm](http://www.fire.uni-freiburg.de/media/2010/11/news_20101126_za.htm)).

**Spain: Total – 2 killed, 2 injured**

2 killed:

Two Portuguese firefighters have been killed (including a 21-year-old woman who died after being trapped by flames) in wildfires that have broken out in Spain (13 August 2010, [http://www.fire.uni-freiburg.de/media/2010/08/news\\_20100813\\_es.htm](http://www.fire.uni-freiburg.de/media/2010/08/news_20100813_es.htm)).

2 injured:

A forest fire on the popular Spanish holiday island of Ibiza has left two people injured and forced more than 1,500 people to be rescued from Benirras beach. The emergency services worked all Sunday evening to extinguish the fires but they continued to smolder (23 August 2010, [http://www.fire.uni-freiburg.de/media/2010/08/news\\_20100823\\_es.htm](http://www.fire.uni-freiburg.de/media/2010/08/news_20100823_es.htm)).

**Trinidad/Tobago: Total – 2 injured**

2 injured:

Two people received medical treatment after a backyard grass fire got out of control Tuesday afternoon. (9 Mar, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100309\\_tt.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100309_tt.htm)).

**U.S.A.: Total – 36 killed, 44 injured**

1 killed:

A 79-year-old Curry County man died Monday after trying to extinguish a grass fire on his property (12 January 2010, [http://www.fire.uni-freiburg.de/media/2010/01/news\\_20100114\\_us1.htm](http://www.fire.uni-freiburg.de/media/2010/01/news_20100114_us1.htm)).

1 injured:

Firefighters responded to a report from witnesses of a grass fire and person burned at the Wal-Mart on Collins Hill Road in Lawrenceville Feb. 18, 3:19 p.m. Crews found an adult male with serious burn injuries. The man was transported by ambulance to Grady Hospital in Atlanta. He has second and third degree burns to about 70 percent of his body. The injuries are considered life threatening (25 February 2010, [http://www.fire.uni-freiburg.de/media/2010/02/news\\_20100225\\_us3.htm](http://www.fire.uni-freiburg.de/media/2010/02/news_20100225_us3.htm)).

1 killed, 1 injured:

A Greenville, Mo., man is being treated at a St. Louis hospital for burns he suffered Saturday afternoon trying to put out a grass fire at his home. The 53-year-old man was flown to St. John's Mercy Hospital hours after Vernon Barnett, 81, had been flown to Elvis Presley Trauma Center in Memphis, Tenn., for treatment after he, too, was burned trying to put out a grass fire at his Broseley, Mo., home. Barnett died from his injuries Sunday (03 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100303\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100303_us.htm)).

1 injured:

An elderly female received minor injuries after she was able to stop a grass fire from burning a shed Monday Afternoon (08 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100308\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100308_us.htm)).

1 injured:

A 13-year-old boy suffered smoke inhalation when he and two friends ignited a Christmas tree in the woods on Bass Road, and wind and dry ground conditions caused it to spread into a small brush fire, said Fire Marshal Karen Facey (22 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100322\\_us3.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100322_us3.htm)).

1 killed:

A North Georgia man had a heart attack while fighting a fire and died. 58-year-old Alvin Stewart died Wednesday (26 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100326\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100326_us2.htm)).

2 injured:

Two town of Russell firefighters were transported to the hospital from the scene of a grass fire Thursday afternoon. The firefighters were treated and released (26 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100326\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100326_us.htm)).

1 killed:

An 87-year-old rural Altoona man has died after his truck got stuck in a muddy field and caught fire (30 March 2010, [http://www.fire.uni-freiburg.de/media/2010/03/news\\_20100330\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/03/news_20100330_us.htm)).

3 injured:

One Elmwood firefighter was airlifted to Regions Hospital Wednesday evening and two others were transported to River Falls Area Hospital after several men were overcome by smoke while fighting a rural grass fire in eastern Pierce County (01 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100401\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100401_us2.htm)).

1 killed:

Investigators are attempting to determine if the death of an 89-year-old man in the Capon Glen subdivision off U.S. Route 50 Wednesday was the result of a brush fire or a medical crisis that developed prior to the fire (01 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100401\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100401_us.htm)).

1 injured:

A 45-year-old Hudson man was injured this afternoon when a brush fire he lit flared up, burning his face, hands and knees (03 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100403\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100403_us2.htm)).

1 killed:

74 year old firefighter died while on duty. Firefighter Powell responded to a brush fire with his fire department. After clearing the scene and returning home, he collapsed at his residence from an apparent heart attack and could not be revived (04 April 2010.)

1 killed:

A brush fire spread through nearly 6 acres and destroyed a Forsyth County home Saturday afternoon. When the fire was contained, the body of a 64-year-old man was found in nearby woods (04 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100404\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100404_us2.htm)).

17 killed:

This could be one of the deadliest fire years for the state of Kansas in recent history, fire officials said Thursday. Two firefighters and 15 civilians have died in fires in Kansas through the end of March (09 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100409\\_us3.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100409_us3.htm)).

1 injured:

The property owner (adult female) was burning a pile of leaves in her backyard when the fire got out of control and began to spread. The woman sustained moderate burns as she tried to escape the flames. She was conscious, alert, and breathing at the scene and was transported by ambulance to Grady Hospital in Atlanta (12 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100412\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100412_us.htm)).

1 killed:

The death of a woman who was found Saturday during a brush fire at 27 Hamburg Road has been ruled an accident. The medical examiner determined that 63-year-old Rosemary Strekel died from smoke inhalation and burn injuries. She was tending to a fire pit when it got out of control and started a brush fire (26 April 2010, [http://www.fire.uni-freiburg.de/media/2010/04/news\\_20100426\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/04/news_20100426_us.htm)).

1 injured:

One person was burned Saturday night after what investigators believe was an arson fire, San Diego (02 May 2010, [http://www.fire.uni-freiburg.de/media/2010/05/news\\_20100502\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/05/news_20100502_us.htm)).

3 injured:

The Tulare County Fire Department reports that smoke from a controlled grass fire near the Tulare-Lindsay Highway by Road 168 Wednesday, caused a six vehicle accident that left two people with minor injuries and one with moderate injuries (21 May 2010, [http://www.fire.uni-freiburg.de/media/2010/05/news\\_20100528\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/05/news_20100528_us.htm)).

1 injured:

A man suffered second degree burns in a fire which destroyed two homes in Lytle Creek on Friday (22 May 2010, [http://www.fire.uni-freiburg.de/media/2010/05/news\\_20100528\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/05/news_20100528_us2.htm)).

1 injured:

Fresno County. A house, three out buildings, a travel trailer and a car on the property were destroyed by the fire. The resident of the house was injured while trying to escape (08 June 2010, [http://www.fire.uni-freiburg.de/media/2010/06/news\\_20100608\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/06/news_20100608_us.htm)).

1 killed:

Roanoke authorities say a brush fire and the death of an unidentified man whose body was found at the scene are being investigated as accidents. (10 June 2010, [http://www.fire.uni-freiburg.de/media/2010/06/news\\_20100609\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/06/news_20100609_us2.htm)).

1 injured:

A brush fire in Hawaii that forced the evacuation of about 100 people continues to burn in the Maalaea area of Maui. One firefighter was treated for smoke inhalation and released from Maui Memorial Medical Center (10 June 2010, [http://www.fire.uni-freiburg.de/media/2010/06/news\\_20100610\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/06/news_20100610_us2.htm)).

1 injured:

An elderly woman suffered from smoke inhalation when a grass fire approached her Ivanhoe home Tuesday, the Tulare County Fire Department reported (10 June 2010, [http://www.fire.uni-freiburg.de/media/2010/06/news\\_20100610\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/06/news_20100610_us.htm)).

1 injured:

Ellicott firefighters put out a small grass fire along the Peyton Highway Wednesday afternoon that burned a civilian. The man was burned on the hand and refused medical treatment (23 June 2010, [http://www.fire.uni-freiburg.de/media/2010/06/news\\_20100623\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/06/news_20100623_us2.htm)).

1 killed:

A rural Franklin County fire chief was killed while fighting a brush fire Wednesday in Adams County. Chief Chet Bauermeister, who led Franklin Fire District 4 in Basin City since late 2003, was operating a tracked ATV on a steep slope of Saddle Mountain when the ATV lost traction, said Adams Fire District 5 officials. The rig flipped backward and rolled about 100 feet down the hill, officials said (24 June 2010, [http://www.fire.uni-freiburg.de/media/2010/06/news\\_20100624\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/06/news_20100624_us.htm)).

2 injured:

Strong winds with gusts up to 40 mph fanned a quick-moving brush fire in Clarkston Monday that threatened homes, burned several outbuildings and sent two firefighters to the hospital. Two Asotin County firefighters were treated and released from Tri-State Hospital for minor burns and smoke inhalation (13 July 2010, [http://www.fire.uni-freiburg.de/media/2010/07/news\\_20100713\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/07/news_20100713_us.htm)).

3 injured:

Two Riverside County sheriff's deputies were injured Thursday afternoon rescuing a woman from a trailer during one of a string of lightning-sparked brush fires that burned in Southern California, officials said. The injuries were minor and the woman was transported to a hospital as the blaze burned near Lake Elsinore, the Riverside County Fire Department said. The extent of the woman's injuries had not been determined (16 July 2010, [http://www.fire.uni-freiburg.de/media/2010/07/news\\_20100716\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/07/news_20100716_us.htm)).

1 injured:

A wind-swept wildfire in Northern California destroyed six empty structures and several vehicles and left a firefighter with heat exhaustion before it was contained (24 July 2010, [http://www.fire.uni-freiburg.de/media/2010/07/news\\_20100724\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/07/news_20100724_us.htm)).

3 injured:

At least three firefighters were injured and evacuations were under way as a 15-square-mile wildfire edged up Monday on the outskirts of Yakima (26 July 2010, [http://www.fire.uni-freiburg.de/media/2010/07/news\\_20100726\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/07/news_20100726_us.htm)).

1 killed:

A wildland firefighter died on Monday after his vehicle crashed in Lafayette. Arkansas Forestry Commission Firefighter-Ranger Chris Adams, 25, was driving to the scene of a fire when the apparatus reportedly crossed the roadway center line, entered a ditch and overturned, killing him. (03 August 2010, [http://www.fire.uni-freiburg.de/media/2010/08/news\\_20100803\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/08/news_20100803_us.htm)).

1 injured:

A brush fire in Lakeside, east of San Diego, California, prompted the evacuation Saturday of 10 people via helicopter, Cal Fire said. One firefighter was injured (22 August 2010, <http://edition.cnn.com/2010/US/08/21/california.brush.fire/#fbid=ofhCVziHsB7&wom=true>).

1 injured:

A firefighter was injured as crews gained ground Wednesday afternoon battling an 85-acre brush fire burning thick vegetation in Riverside County (01 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100901\\_us4.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100901_us4.htm)).

3 injured:

Firefighters say they have contained a 20-acre grass fire that injured at least three people and burned four mobile homes in rural Tehama County. State fire department spokesman Kevin Colburn says 3 to 4 people were transported to the hospital Wednesday with minor injuries during the fire near Highway 99 in Corning (03 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100903\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100903_us2.htm)).

1 killed:

A wildland firefighter was injured Tuesday morning while working a 12-acre wildfire in Livingston County. Don Lam, Forest Ranger Technician for the Kentucky Division of Forestry (KDF) was struck from a rolling log—a burning snag approximately 10 ft in length that broke loose and rolled off a bluff. The impact has left Lam unconscious and with serious injuries including second degree burns (08 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100908\\_us3.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100908_us3.htm) ) It was reported that Lam later died months afterwards (18 February 2011, <http://www.dailydispatch.com/NationalNews/2011/February/18/Kentucky.firefighter.dies.months.after.being.struck.by.tree.aspx> )

1 killed:

Bill Franklin Smith, a 78-year-old from Nacogdoches County, died after an apparent brush fire spread across his yard and to his home. The investigation into Smith's cause of death is ongoing because it is unclear whether he died from the smoke or from a possible heart attack (15 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100915\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100915_us.htm)).

1 killed, 1 injured:

A firefighter was killed and another hurt Friday while battling brush fires in Ross County. Authorities said Ryan Seitz, a volunteer fireman with the McArthur Fire Department, was working with crews near the Ross-Vinton County line when part of a pressurized water tank exploded, 10TV News reported (25 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100925\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100925_us2.htm)).

1 injured:

A 500-acre brush fire that injured at least one Mexican firefighter crossed into San Diego County Sunday near the Tecate Port of Entry, according to Cal Fire. (26 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100926\\_us4.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100926_us4.htm)).

1 injured:

A Bodega volunteer firefighter who was injured at the scene of a 98-acre grass fire on Saturday is improving at St. Francis Memorial Hospital's burn unit in San Francisco today (27 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100927\\_us3.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100927_us3.htm)).

1 injured:

A Sac Metro Firefighter has been hospitalized after fighting a small grass fire at the Haggin Oaks Golf Course on Fulton Avenue Saturday evening. A Sacramento City Fire Spokesman tells FOX40 News the firefighter may have suffered cardiac arrest, but Sac Metro will not confirm that information (03 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101003\\_us3.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101003_us3.htm)).

1 injured:

A wheelchair-bound man discarded a cigarette Tuesday afternoon and it ignited a blaze that caught his wheelchair on fire, authorities said. Ormond Beach firefighters were en route about 5 p.m. to a grass fire in the 600 block of S. Atlantic Avenue when they were notified that there was a victim in a wheelchair on the fire. (21 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101021\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101021_us2.htm)).

1 killed:

A Marion man was fatally burned while trying to extinguish a fire he had set. Union Parish Sheriff Bob Buckley tells The News-Star that 87-year-old Joe Ollie Rivers died Saturday afternoon while cleaning up around his home. Buckley said a witness, who was helping Rivers, told deputies that he and the victim were burning grass when the fire got out of control (21 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101021\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101021_us.htm)).

1 killed:

Mitchell County Investigators are waiting for autopsy results after finding an elderly man's body burned last week during an out of control brush fire. Firefighters were called Thursday to a brush fire in the 1600 block of Highway 93. After they put out the fire, firefighters found 81-year old Walter Nimes body (25 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101025\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101025_us2.htm)).

2 killed, 2 injured:

The head-on collision near Gorman kills one of the inmates aboard the fire crew truck and the driver of the other vehicle. Several other inmates are critically injured, authorities say. A vehicle collided head-on Tuesday with a truck carrying inmates from a Los Angeles County fire crew, leaving two people killed and several others critically injured (24 November 2010, [http://www.fire.uni-freiburg.de/media/2010/11/news\\_20101124\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/11/news_20101124_us.htm)).

1 injured:

A man attempting to put out a grassfire on his property on Union Hill Road with a tractor Friday afternoon is believed to have had a heart attack and was transported to the hospital, according to his neighbour (27 November 2010, [http://www.fire.uni-freiburg.de/media/2010/11/news\\_20101127\\_us2.htm](http://www.fire.uni-freiburg.de/media/2010/11/news_20101127_us2.htm)).

1 killed:

A man died while trying to put out a brush fire in the Waterford Lakes area of Orlando on Tuesday afternoon. According to the Orange County Sheriff's Office, the brush fire was moving toward homes on the 700 block of Magnolia Creek Circle (28 December 2010, [http://www.fire.uni-freiburg.de/media/2010/12/news\\_20101228\\_us.htm](http://www.fire.uni-freiburg.de/media/2010/12/news_20101228_us.htm) )

**Zimbabwe Total – 21 killed, 10 injured**

1 killed:

While at one of the Mashonaland West legs of the national fire awareness campaigns recently, Minister Nhema was greeted by the news that a 70-year-old woman, Mrs Martha Mazorodze, was burnt beyond recognition in a veld fire. This happened as she tried to save her stacks of thatching grass from the blaze (25 August 2010, [http://www.fire.uni-freiburg.de/media/2010/08/news\\_20100825\\_zw.htm](http://www.fire.uni-freiburg.de/media/2010/08/news_20100825_zw.htm)).

1 killed, 11 elephants killed:

The veld fire which started in the Somabhula area of Gweru rural and later spread to Debshan Ranch on the border with Matabeleland South, burnt to death a 13-year-old herd boy from the Somabhula area and 11 elephants, the Chronicle learnt yesterday. The veld fire which, according to the Environmental Management Agency, was started by a family in the Somabhula area, later spread to as far as Debshan Ranch in Matabeleland South where it reportedly killed the elephants (26 August 2010, [http://www.fire.uni-freiburg.de/media/2010/08/news\\_20100826\\_zw.htm](http://www.fire.uni-freiburg.de/media/2010/08/news_20100826_zw.htm)).

5 killed:

Six people (including 13 yr old boy above) and 10 elephants were killed in the past two weeks while thousands of hectares of land were damaged by veld fires countrywide. According to police records, eight fire incidents were recorded during this period while one person was arrested in Mashonaland East Province for starting a veld fire (01 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100901\\_zw.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100901_zw.htm)).

1 killed:

A five-day-old baby died while at least 22 families in Hurungwe were left homeless when a veld fire swept through their villages recently. The baby was sleeping in a hut while the parents were a distance away when the fire razed the villages last Thursday (17 September 2010, [http://www.fire.uni-freiburg.de/media/2010/09/news\\_20100917\\_zw.htm](http://www.fire.uni-freiburg.de/media/2010/09/news_20100917_zw.htm)).

Zimbabwe updated total injuries 2010:

According to a summary Published by the government of Zimbabwe on 8 May 2011 the total number of people killed by wildfires in 2010 amounted 21. The number of injuries was 10 (people hospitalized with serious burns) (8 May 2011, [http://www.fire.uni-freiburg.de/media/2011/05/news\\_20110508\\_zw.htm](http://www.fire.uni-freiburg.de/media/2011/05/news_20110508_zw.htm))

## Not included in the summary below:

### Russia

Nearly 56,000 more people died in July and August compared with the previous summer, the Economic Development Ministry said in a monthly report on Russia's economy. "In connection with the unusual heat, forest fires and smoke, 14,500 more people died in July this year and 41,300 more people died in August than during the same period last year," said the report's section about demographics. Deaths from digestive and circulatory system diseases as well as from cancer increased, the report said. About 374,000 Russians died in July and August, up 17.5 percent from 2009, the report said. In August alone, about 192,000 died, up more than 27 percent from August 2009. In August, Moscow's health department chief said deaths had nearly doubled in the city to about 700 a day. There were fewer than 60 official deaths nationwide from the wildfires themselves (27 October 2010, [http://www.fire.uni-freiburg.de/media/2010/10/news\\_20101027\\_ru.htm](http://www.fire.uni-freiburg.de/media/2010/10/news_20101027_ru.htm)).

## Summary Global Wildland Fire Fatalities Report 2010

† Worldwide:	280 plus 147 injured
† Asia:	67 plus 44 injured
† Australasia:	7 plus 8 injured
† Latin America:	0 plus 2 injured
† North America:	41 plus 47 injured
† Europe:	2 plus 2 injured
† Europe / Eurasia:	62 plus 7 injured
† Africa:	52 plus 29 injured
† North Africa / Near East:	44 plus 8 injured

### Fatalities total: 280

- Firefighters: 22
- Military: 15
- Civilians: 243

### Injuries total: 147

- Firefighters: 35
- Military: 9
- Civilians: 103

**Summary Table Global Wildland Fire Fatalities Report 2010 – by continent and person groups**

		<b>Fatalities</b>	<b>Injuries</b>
<b>Africa</b>	Firefighters	0	0
	Military	0	0
	Civilians	52	29
<b>Asia</b>	Firefighters	8	5
	Military	15	1
	Civilians	44	38
<b>Australasia</b>	Firefighters	1	8
	Military	0	0
	Civilians	6	0
<b>Europe</b>	Firefighters	2	0
	Military	0	0
	Civilians	0	2
<b>Europe / Eurasia</b>	Firefighters	0	0
	Military	0	0
	Civilians	68	7
<b>Latin America</b>	Firefighters	0	0
	Military	0	0
	Civilians	0	2
<b>North Africa / Near East</b>	Firefighters	0	0
	Military	0	6
	Civilians	44	2
<b>North America</b>	Firefighters	11	22
	Military	0	2
	Civilians	30	23
<b>Global Total</b>		<b>279</b>	<b>140</b>

**Summary Global Wildland Fire Fatalities Report 2010 – by continents and countries**

	<b>Killed</b>	<b>Injured</b>
<b>Africa</b>		
Congo	8	0
Nigeria	16	0
South Africa	7	19
Zimbabwe	21	10
Total	52	29
<b>Asia</b>		
Bhutan	2	0
China	37	3
India	11	6
Japan	3	0
Nepal	9	35
Pakistan	5	0
Total	67	44

**Australasia**

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Australia	1	8
Papua New Guinea	6	0
Total	7	8

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**Europe**

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Spain	2	2
Total	2	2

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**Europe / Eurasia**

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Mongolia	2	7
Kazakhstan	6	0
Russia	60	0
Total	68	7

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**Latin America**

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Trinidad/Tobago	0	2
Total	0	2

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**North Africa / Near East**

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Israel	44	2
Lebanon	0	6
Total	44	8

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**North America**

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Canada	5	3
USA	36	44
Total	41	47

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**References**

IFFN-GFMC UNISDR Global Wildland Fire Network Bulletin No. 14 (# 1 / 2010 – 19 July 2010)  
<http://www.fire.uni-freiburg.de/media/GFMC-Bulletin-01-2010.pdf>

IFFN-GFMC UNISDR Global Wildland Fire Network Bulletin No. 13 (# 2 / 2009 – 27 July 2009)  
<http://www.fire.uni-freiburg.de/media/GFMC-Bulletin-02-2009.pdf>