Northumbria Research Link

Citation: Trotter, Keith, Aryal , Komal and Melton, Emma (2012) Mutual alliances for local disaster risk reduction, response and resilience planning: a case study from Kathmandu. In: UK Fire and Rescue Services International Development & Humanitarian Aid Conference, 10-11 October, 2012, Manchester, UK.

Published by: UNSPECIFIED

URL:

This version was downloaded from Northumbria Research Link: http://nrl.northumbria.ac.uk/10027/

Northumbria University has developed Northumbria Research Link (NRL) to enable users to access the University's research output. Copyright © and moral rights for items on NRL are retained by the individual author(s) and/or other copyright owners. Single copies of full items can be reproduced, displayed or performed, and given to third parties in any format or medium for personal research or study, educational, or not-for-profit purposes without prior permission or charge, provided the authors, title and full bibliographic details are given, as well as a hyperlink and/or URL to the original metadata page. The content must not be changed in any way. Full items must not be sold commercially in any format or medium without formal permission of the copyright holder. The full policy is available online: http://nrl.northumbria.ac.uk/policies.html

This document may differ from the final, published version of the research and has been made available online in accordance with publisher policies. To read and/or cite from the published version of the research, please visit the publisher's website (a subscription may be required.)

www.northumbria.ac.uk/nrl

northumbria UNIVERSITY
University Library

**Strengthening Britain –Nepal Friendship**
**Helping hand in local humanitarian intervention**

# *Mutual alliances for local disaster risk reduction, response and resilience planning: a case study from Kathmandu*


**Mr. Keith Trotter**, Tyne and Wear Fire and Rescue Service
**Dr. Komal Raj Aryal**, Research Associate, Disaster and Development Centre, Northumbria University
**Miss. Emma Melton**, FIREaid Kathmandu

## Structure of our presentation

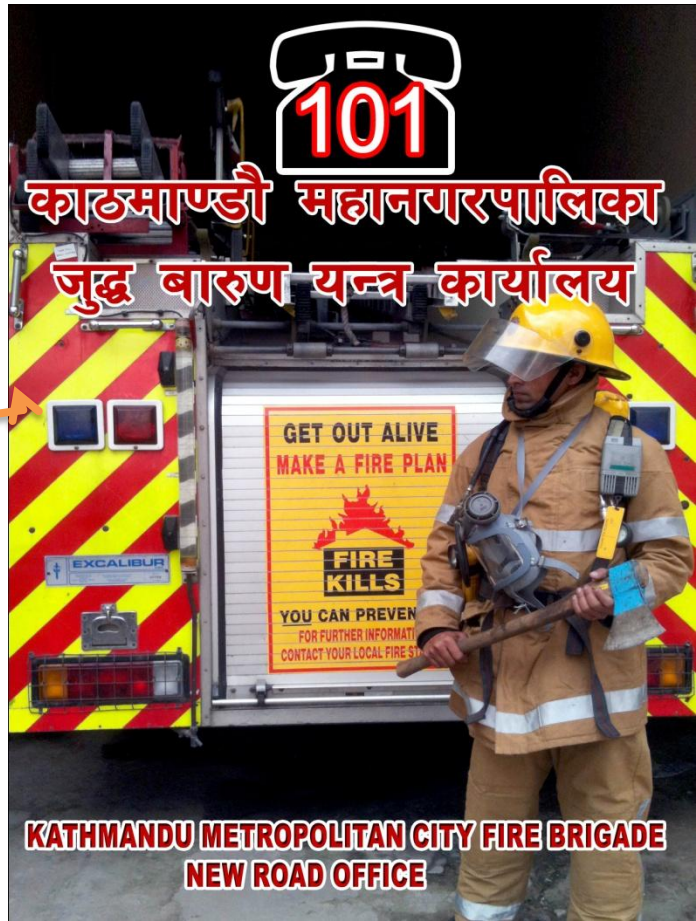
- Overall **introduction on international activities** between (TWFRS-NFRS-Northumbria University) - Mr. Keith Trotter, Tyne and Wear Fire and Rescue Service
- **Nepal project**- Dr. Komal Raj Aryal, Disaster and Development Centre at Northumbria University and Miss Emma Melton, FIREaid Kathmandu
- **Brazil project** –Mr. Keith Trotter, Tyne and Wear Fire and Rescue Service
- Questions

# TWFRS-NFRS-Northumbria University Partnerships for Enhancing Local Disaster Risk Reduction (DRR), Response and Resilience Planning (UK-NEPAL, BRZIL, JAPAN AND SOUTH KOREA)

**Knowledge Sharing**

**Knowledge sharing and capacity building**

In June,2008




In August,2012

**First please allow us to introduce Kathmandu city's main hazards, risk and vulnerability**

# KATHMANDU : A SPRAWLING CITY

# NEGLECTED SITE

# UNMAINTAINED !!

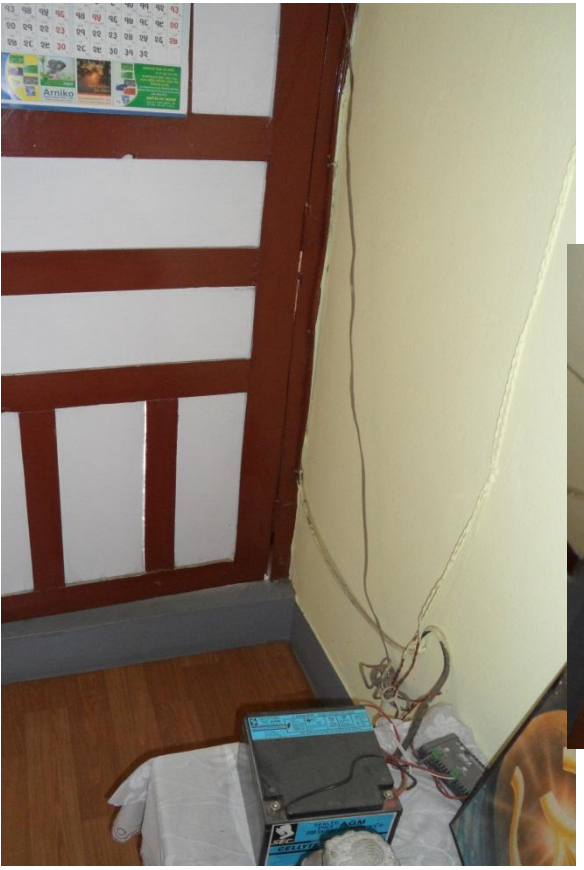
# CUTTING AGE NEPALESE ELECTRICITY

# NEPALESE “NATIONAL GRID”

# REACH FOR THE SKY

# OVERLOADED

# EVERY WHICH WAY BUT LOOSE !!!!



# GOING DOWN

**THERE IS NOT ENOUGH DRAKNESS IN ALL THE WORLD TO PUT OUT THE LIGHT OF ONE SMALL CANDLE ……**

# STREET CLEANING IN KATHMANDU

# BIG BROTHER IS WATCHING YOU !!!!!

# DAVID AND GOLIATH

# NEPALESE SCHOOL BUS !

# NEPALESE FIRE FIGHTER'S LIFE SAVING "MODERN" EQUIPMENT IN 2008

## June, 2008- Kathmandu Nepal

Sean Mckee from  Tyne and Wear Fire and Rescue Service, UK visited Kathmandu Fire Station with researchers from Northumbria University.

# What they observed ?

# July, 2008

- Reported to Mr. Iain Bathgate , Chief Fire Officer, Tyne and Wear Fire and Rescue Service
- Nearly 1 million people in the city = 39 fire fighters = 2 fire engines ( one is not in working condition = No uniform for fire fighters = marginalised fire fighters .....
- One of the world's most popular tourist destinations.....lovely fire fighters .....and lovely people

**November,2009**

**Mr. Iain Bathgate, Chief Fire Officer and Mr. Trevor Tague, Senior Fire Officer from Tyne and Wear Fire and Rescue Service visited Kathmandu in facilitation of Northumbria University.**

**Project Plan ( FIREaid Kathmandu Project Plan)**

After Tyne and Wear Chief Fire Officer Mr. Iain Bathgate's visit to Nepal :

**Step 1**:Complete administrative work in both ends ( In Nepal and Tyne and Wear)

**Step 2**: Secure funding for transporting equipment to Nepal

**Step 3**: Equipment handling and management training at Kathmandu

**Step 4**: Community Safety and Awareness Training - including Disaster Risk Reduction (DRR), response and resilience planning.

**Step 5** : Explore continuous support for Kathmandu Fire Brigade through networking, further fund raising and dissemination of project activities through news reports, conferences and academic writing.

**Charity activities lead by Mr. Iain Bathgate with members of Tyne and Wear Fire and Northumberland Fire and Rescue Services ( November, 2010- December, 2011)**

# 18 January, 2012 MoU between KMC and TWFRS at Newcastle, UK

FIRE SERVICE

## Nepalese visit

LOCAL government officials from Nepal were given a guided tour of the Northumberland Fire and Rescue's Service's HQ at West Hartford during a recent fact-finding visit to the UK.

Kedar Bahadur Adhikari and Purusotam Shakya, from Kathmandu Metropolitan City, were shown training facilities and equipment such as breathing apparatus and teaching classrooms by chief fire officer Alex Bennett.

PLANNING

Appeal on trees

**26 February 2012**

Equipments and fire engine despatched to Kathmandu

**28 February, 2012** Mr. Iain retired from his more than 35 years service in the TWFRS.

**30 April, 2012**

# Fire engine is on its way to Kathmandu from Kolkata port , India

**01 May 2012**

# Fire Truck and Equipment at Kathmandu Fire Brigade New Road Station, Nepal

This is our equipments !!!
Chief Fire Officer Lila is opening the container...

# Resources and adaptive city

# Store before 01 May 2012

# Store after 01 May 2012

**01 May 2012**

16:30: Fire Truck Arrived at New Road Fire Station

19:00: Responded first urban fire in Bal Mandir ( orphanage house compound )

**03 May 2012**

काठमाडौं महानगरपालिका बारूण यन्त्र
आगोलाई लिन्छ ज्यान !!
OXYGEN
HEAT
FUEL
१०१
GET OUT ALIVE
MAKE A FIRE PLAN
FIRE KILLS
YOU CAN PREVENT IT
KANTIPUR

***Strengthening Britain- Nepal Friendship***
***Helping hand in local humanitarian intervention***

# In–house basic training on
# Fire Fighting Equipments Management and Local Emergency Response

**Date:** 14-22 May 2012
**Venue:** Kathmandu Fire Brigade New Road Station

**Organised by**
Kathmandu Metropolitan City
Kathmandu Metropolitan City Fire Brigade

***In partnership with***
Tyne and Wear Fire and Rescue Service, UK
Disaster and Development Centre
Engineering and Environment at Northumbria University, UK

## Training contents

- Personal safety
- Breathing apparatus
- Fire engine driving, pumping, artificial ponds construction
- Equipment maintenance
- Road Traffic Collision (RTC) management
- Community safety and local disaster risk reduction awareness
- Local risk monitoring and resource mapping

FIRE & RESCUE SERVICE

K.M.C

# Incident site visit

# Social evening : we are from Newcastle !!!

# Fire and Rescue Demonstration at Community Level

Fire fighters in November 2009!!!

Fire fighters in May 2012 !!!

KATHMANDU FIRE BRIGADE

Early tea meeting with Nepalese Prime Minister’s Wife at PM residence , Kathmandu. Lila Raj Gachha Magar, Chief Fire Officer, KMC Fire Brigade organised the meeting.

# Thank you!

Few news related to these activities in local printed media

http://southasianmedia.net/Test21/DetailPage.aspx?StoryID=68673

http://www.myrepublica.com/portal/index.php?action=news_details&news_id=35177

http://www.kantipuronline.com/nepal/article/?id=3752

# Local Disaster Risk and Safety Awareness Programme

In-house training

on

**Participatory risk , response and resilience planning**

01-10 August 2012 , Kathmandu, Nepal

**Dr. Komal Raj Aryal and Miss. Emma Melton**

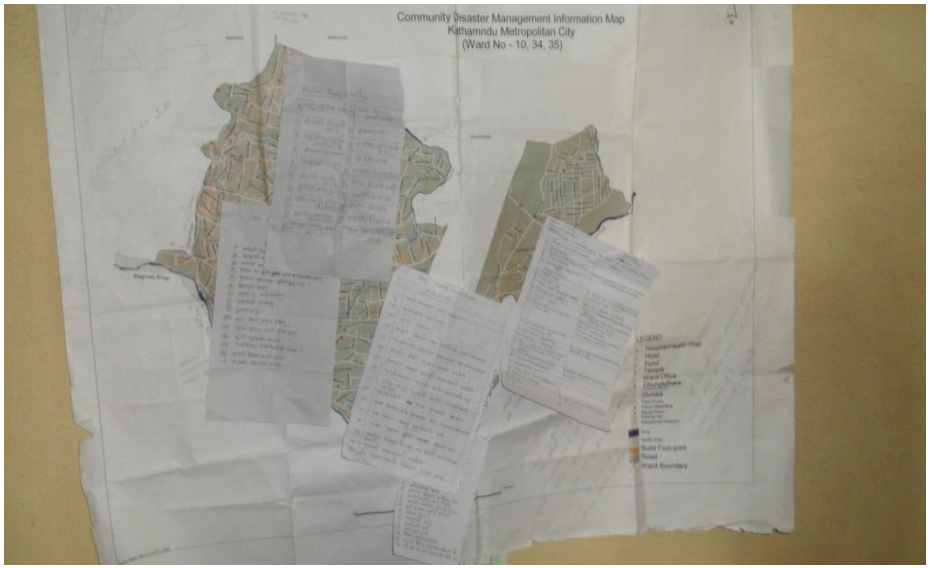
**Northumbria University**

## Training contents

- Personal safety
- Hyogo Framework for Action (HFA-2005-2015) and Disaster Risk Reduction (DRR)
- Post Hyogo Framework for Action 2015-2025 (possible activities at international, national and local levels)
- Community safety and local disaster risk reduction
- Local risk monitoring and resource mapping
- Risk communication ( interpersonal and media)
- Simulation exercise planning
- Resilience planning

# Bridging gaps between academic and front line humanitarian HEROs!

# Communicate with policy makers and political leaders



Camera lost !!
Photo: Meeting with Political leaders and senior local government officials

# Community Safety Awareness Programme

**Regular training and knowledge sharing  from visiting professional fire fighters**

# Kathmandu Metropolitan City Fire Fighters Pledge

*I promise concern for others Willingness for all those in need. I promise courage - courage to face and conquer my fears Courage to share and endure the ordeal of those who need me. I promise strength - strength of heart to bear whatever burdens Might be placed upon me. Strength of body to deliver safety. All those placed within my care I promise the wisdom to lead, the compassion to comfort And the love to serve unselfishly whenever I am called*

If you are in emergency please call us **101**

*Sponsored by : -*
*Kathmandu Metropolitan City Fire Brigade & FIRE aid*

*J.P Dhakal*
*Civilian Fire Fighter KMC*

In June,2008

Tyne and Wear FRS,**UK**

Northumbria University ,**UK**

Northumberland FRS,**UK**

Quicklay fire attack, **Australia**

Bered-& Redningsberedskb FRS, **Denmark**

In August,2012

ठमाडौं महानगरपालिका बारुण यन्त्र
Dear fire fighters from
Tyne and Wear and
Northumberland,
Thank you very much for
your support !

# Brazil Project

# How city is located ?

# Impacts of  flood and landslides (January 2011)?

# Impacts of  floods and landslides (January 2011)?

# Impacts of  floods and landslides (January 2011)?

# Impact in local business

# New safety measures

# Physical Environment

# New safety measures based on local knowledge

# Slope stability: a new safety measures

**Bringing technology , safety knowledge and people together!**

# Lesson learned: providing resources without local knowledge makes local humanitarian intervention difficult

# Real Heroes !!

**Thank you very much for listening !**
**Any question please !!!**