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
CUTTING AGE NEPALESE ELECTRICITY
NEPALESE “NATIONAL GRID”
REACH FOR THE SKY
OVERLOADED
EVERY WHICH WAY BUT LOOSE !!!!
GOING DOWN
THERE IS NOT ENOUGH DARKNESS IN ALL THE WORLD TO PUT OUT THE LIGHT OF ONE SMALL CANDLE ..............
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.
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
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
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)
**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
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!!!
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://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
Quicklay fire attack, Australia

In August, 2012
Bered-& Redningsberedskb FRS, Denmark

Tyne and Wear FRS, UK
Northumbria University, UK
Northumberland FRS, UK
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 !!!