

FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

Presented by the FIG Working Week 2019,
April 22-26, 2019 in Hanoi, Vietnam

"Geospatial Information for a Smarter Life
and Environmental Resilience"



ORGANISED BY



PLATINUM SPONSORS





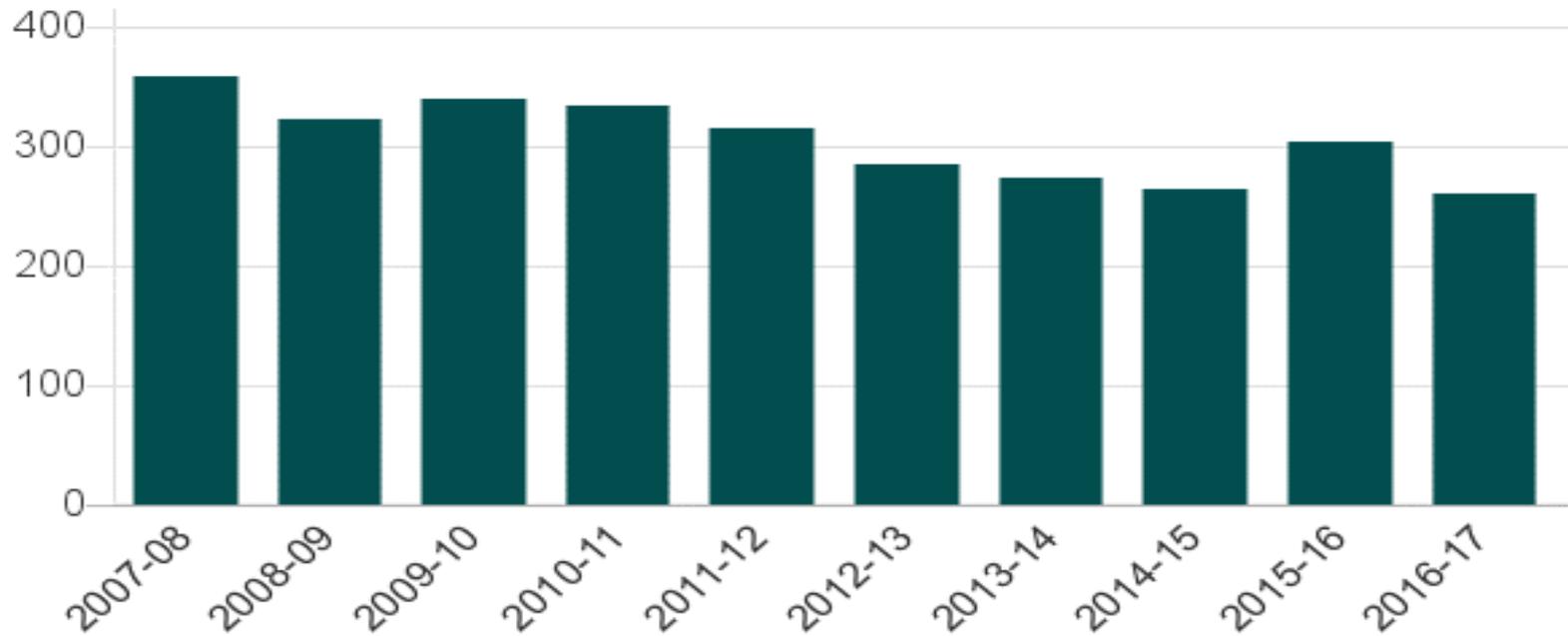
FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



Fire-related fatalities in England



Source: Home Office



ORGANISED BY



PLATINUM SPONSORS





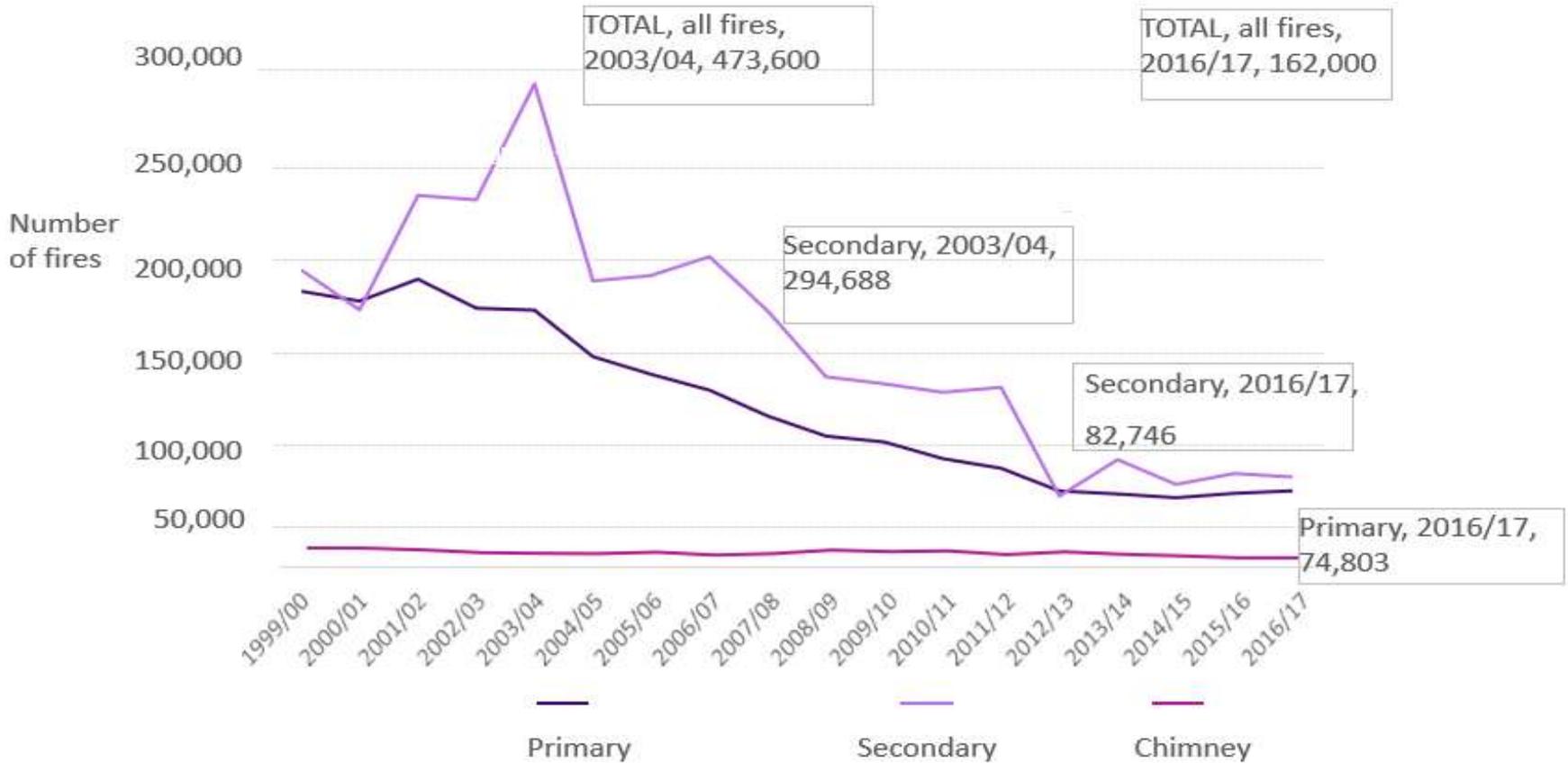
FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam



"Geospatial Information for a Smarter Life and Environmental Resilience"

Trends in fires, England, 1999/00 to 2016/17



ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22–26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



Grenfell Tower update

- Initial focus on ACM
- Clear that little understanding of building regs requirements
- Ban on 'combustible' cladding wef 21/12/18 in England
- Scotland changes Feb 2021



ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



Hotel building - Rostov-on-Don, Russia



Grenfell tower, London



Shanghai, China



Baku, Azerbaijan



Address Downtown hotel, UAE



Lacrosse tower fire, Melbourne

(kate.nguyen@unimelb.edu.au)

ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22–26 April, Hanoi, Vietnam



"Geospatial Information for a Smarter Life and Environmental Resilience"

Building	Location	Year	Description	Damage
Grenfell Tower	London, UK	2017	External cladding which consisted of ACM panels with PE core	72 dead 70+ injured
The Address Downtown Dubai (302m tall)	Dubai, UAE	2016	An electrical short circuit on a spotlight was the cause	16 minor injuries
Marina Torch (352m)	Dubai, UAE	2015 & 2017	Fire initiated in the 52 nd floor and spread quickly due to high winds, combustible cladding	No injuries
Tamweel Tower (160m tall)	Dubai, UAE	2012	Vertical bands of exterior cladding from ground to roof level ACM panels with PE core	Repair works have begun after 3 years
Saif Belhasa Building (13 stories)	Dubai, UAE	2012	Cladding consisted of ACM panels with PE core	9 flats destroyed 2 injured Debris damaged 5 vehicles
16 Storey apartment building	Baku, Azerbaijan	2015	Rapid fire spread along the cladding. Combustible panels according to reports.	17 dead 60 injured
Lacrosse Building	Melbourne, Australia	2014	External wall cladding and aided by combustible material located within the wall structure quickly spread to the top of the building	No injuries
18 storey building	Roubaix, France	2012	Highly flammable outer cladding	1 dead 1 injured
28 storey building	Shanghai, China	2010	Polyurethane insulation to external walls	53 dead 90 injured
Monte Carlo Hotel (32 stories)	Las Vegas, US	2008	Exterior insulation and finish system which consists of a layer of expanded polystyrene foam adhered to gypsum sheathing	13 minor injuries

Kate Nguyen (kate.nguyen@unimelb.edu.au)

ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



IFSS - International Fire Safety Standards



ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22–26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



What are International Fire Safety Standards (IFSS)?

IFSS will offer a global solution to:

- Address current inconsistencies in the way property is designed, built and managed for fire safety
- Ensure different types of property including offices, residential, retail and industrial are safe for users
- Ensure confidence in property investment

IFSS will be implemented by all coalition organisations, through their members.

ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22–26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



IFSS – Team approach

- **These issues need a team approach**
- **Fire engineers are key to the solutions**
- **Opportunity to build a global fire engineering profession is huge, particularly in high risk buildings**
- **Professional bodies must collaborate**

ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"

United Nations, Geneva 6-7 July



ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam



"Geospatial Information for a Smarter Life and Environmental Resilience"



Get involved –



ORGANISED BY



PLATINUM SPONSORS





FIG WORKING WEEK 2019

22–26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



Professional standards are

Good for business

Good for govts

Good for the public

ORGANISED BY



PLATINUM SPONSORS

