



FEEDS

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Forum for **E**uropean **E**lectrical **D**omestic **S**afety



<https://www.feedsnet.org/>

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Energy transition and safety

How to ensure residential electrical safety in Europe



Energy transition

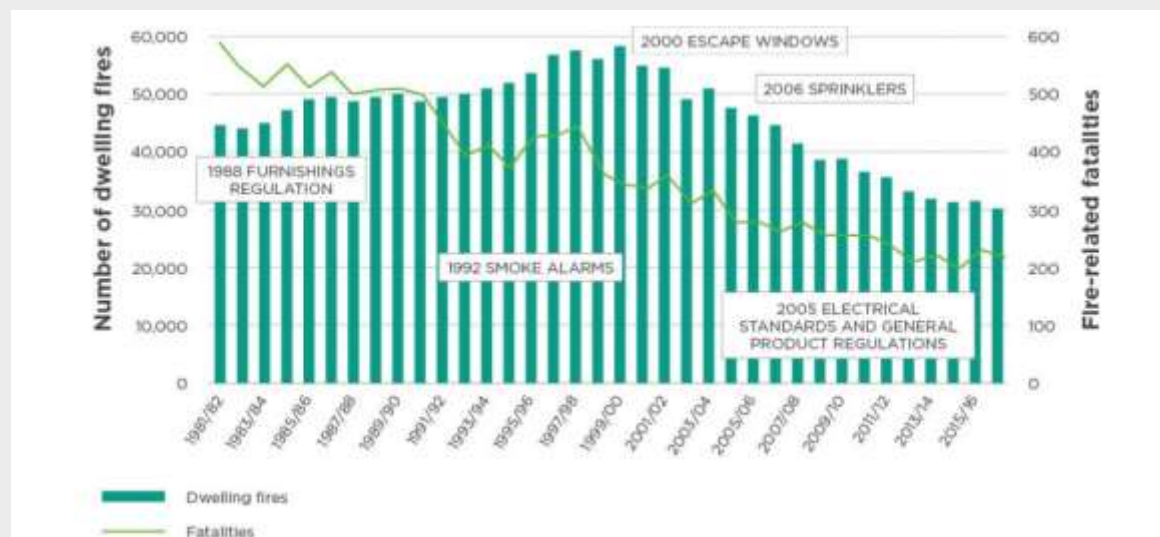
“Electrification of the energy world, our societies and our economies, will shape the future”

H.E. Dr Fatih Birol, Executive Director, International Energy Agency (IEA)



- Electrification requires an adequate electrical installation
- Over recent years, the number of domestic fires are decreasing in the world and in the EU

Why FEEDS?



- But, as demonstrated by FEEDS, the share of domestic fires from electrical source doesn't decrease at the same rate



Why FEEDS?

- Mapping this concern at EU level required a study:
 - The FEEDS report ([edited March 2020](#))
- Credibility is assessed by the FEEDS members: broad panel of attendees including fire organisations, consumer organisations, insurance companies, professional associations including contractors and manufacturers



The European consumer voice in standardisation



European Committee of Electrical Installation Equipment Manufacturers



Europacable



European Association of Electrical Contractors



European Copper Institute



European Fire Safety Alliance



Federation of the European Union Fire Officer Associations



International Federation for the Safety of Electricity Users



Insurance Europe Prevention Forum



FEEDS Members



Confédération Nationale du Logement



The UK's Electrical Safety Experts



Groupe de réflexion sur la sécurité électrique dans le logement



Dutch Burns Foundation



FEEDS model

- Evaluation of the number of domestic fires from an electrical source across EU
- The overall methodology is based on the best available data and extrapolated region by region & country by country



FEEDS model

Basic assumptions

- 2 out of 5 domestic fires require an intervention by the fire brigades (reported fires), 5 is the number of declaration to insurance companies
- Fires from unknown/uninspected sources are redistributed into the existing categories
- All data processed according to the FEEDS model have been submitted to our members for review



FEEDS data

- **Electrical fires account for 25 - 30% of all domestic fires**, an increase of 5 - 10% (among the total number of domestic fires) in the last 10 years
- The **total number of fires of electrical source** in the EU is estimated to be **273.000** per year
- Their consequences have a strong impact in terms of fatalities, injuries, the economic cost to society and dramatic experiences for families



Per year	# Population	Number of dwellings	Electrical fires (reported or not)
Northwestern EU	252 727 014	113 685 316	187 050
Nordic countries (minus Norway)	22 125 461	11 076 310	8 800
Eastern and Central EU	104 704 842	40 022 493	28 480
Southern EU	133 205 368	62 297 305	48 900
Total EU	512 762 685	227 072 424	273 230

Before Brexit



	Population	Dwellings	Electrical Fires	EF/population	EF/dwellings
EU	512 762 685	227 081 424	273 230	530	1200
Japan	126 475 664	53 890 900	2 732	22	50
USA	313 232 044	129 968 653	47 700	155	370

 **Theresa Griffin**
@TheresaEurope

No we can't accept this & will take further action
twitter.com/ModernBuildEU/...

Modern Building Alliance @ModernBuildEU

Replying to @ModernBuildEU

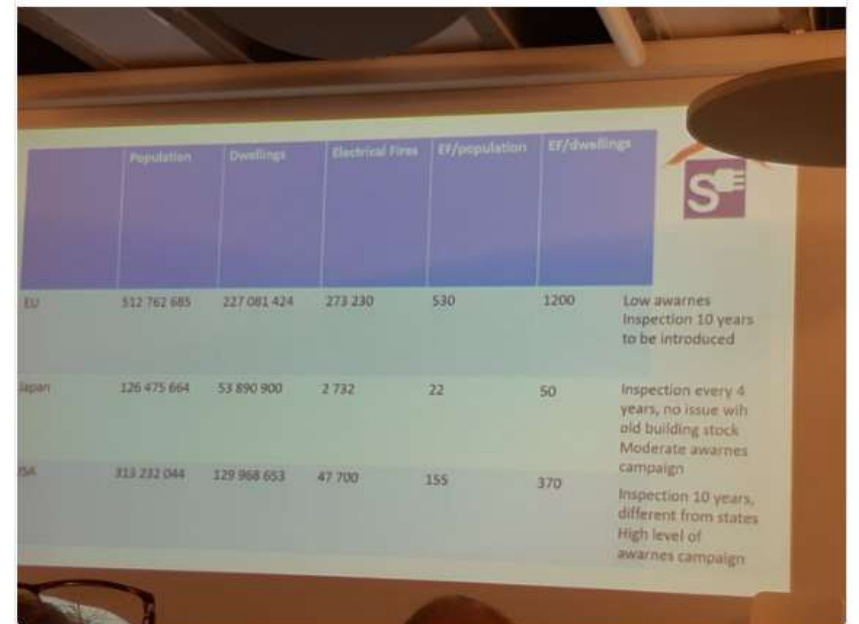
Electrical fires per dwelling in #EU 🖱️⚡🔥

3 times more than in #USA 😞

24 times more than in #Japan 🙇

Can we accept that? 🚨📱

@TheresaMEP @SeanKellyMEP#prevention
#inspection#EuropeanFireSafetyWeek



	Population	Dwellings	Electrical Fires	EF/population	EF/dwellings	
EU	512 762 685	227 081 424	273 230	530	1200	Low awarnes inspection 10 years to be introduced
Japan	126 475 664	53 890 900	2 732	22	50	Inspection every 4 years, no issue with old building stock Moderate awarnes campaign
USA	313 232 044	129 968 653	47 700	155	370	Inspection 10 years, different from states High level of awarnes campaign

11 2:54 PM - Nov 20, 2019 · Elsene, België





Electricity and Energy Transition

- Electricity will play a major role in the Energy Transition and it has to be:
 - Clean
 - Reliable
 - Affordable
 - Safe
- Are the European electrical domestic installations ready for the big change of Electrification?



The key factors for an inclusive Energy Transition

- Technological changes (EV, PV...)
- Societal change (Energy Poverty - EPOV, elderly, single families...)
- Climate change (More flooding, increased temperatures...)
- Political trends (Green Deal, renewables and efficiency policies, Renovation Wave...)



What can FEEDS do at European level?

- **Deepen the question of data**, FEEDS is ready to help and work with EuroFSA in the EU project and FEEDS is also working on accidental fires
- **Exchange of best practice**, FEEDS already attends to FIEP meetings since its creation
- **Develop awareness**, FEEDS plans regular communication campaigns
- FEEDS is a **toolbox** and an **expertise** at your disposal

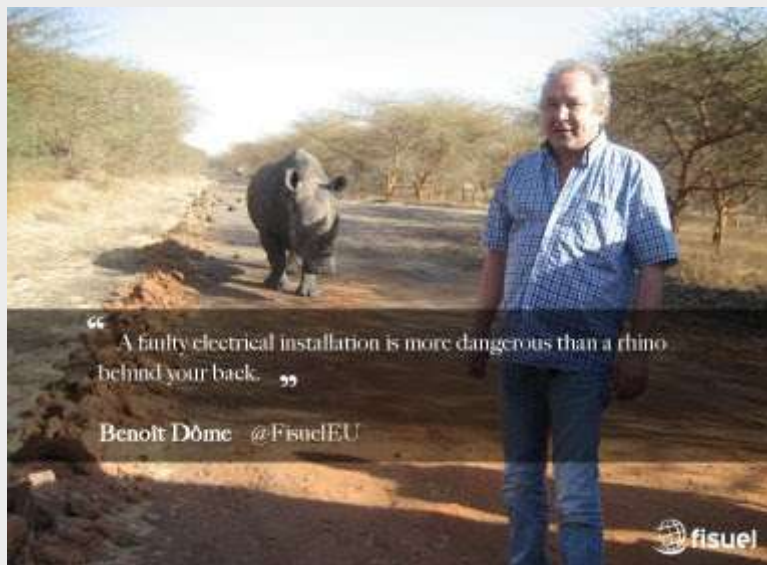


Ask from
FEEDS to EU

- Recognizing the importance of this issue
- Importance of the prevention
- Not too much focus on large event
- Coordination of the communication & best practice at the local level
- Promotion of mandatory checks of electrical domestic installations in the various policies regarding the EU Energy Transition (as it was the case for cars)



Thank you for your
time and your
attention



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Electrical Domestic Safety

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