



**Fisuel Seminar – 15-16 of October 2024
Barcelona – Spain**

**France - ONSE 2024
Patrick**

Main data from 2024 ONSSE barometer

- Anomalies on electrical installations
- Epidemiology
- Data from insurances
- Data from firefighters
- Fires with electrical source

Electrical anomalies

83 % electrical installations over 15 years old,
out of around 31 million homes built before 2008,
have at least one electrical anomaly.

Source: analysis of 450 000 mandatory electrical diagnostics (DEO) carried out by Diagamter – Metropolitan France

Electrical anomalies

Anomaly	B1	B2	B3	B4	B5	B6	B7	B8
Designation	AGCP	Earth leakage	Earth	Breaker	Bonding	Water zone	Direct contact	Obsolete
until 2008	14,7%	9,9%	64,4%	33,6%	21,7%	18,4%	41,0%	46,1%
NFC15100	Present since 1991	Present since 1974	Present since 1991	Present since 1977	Present since 1974	Present since 1991	Present since 1974	Present since 1991

Epidemiology

3 000

Average visits to emergency hospital / year following electrical choc - idem since 2000

1/2 is under 15 years old

1/3 stays at hospital

4 out of 5 accidents happen at home

47% : Mobile electrical installations

22% : Household appliances

11% : Fix electrical installations

Source: public body – Metropolitan France

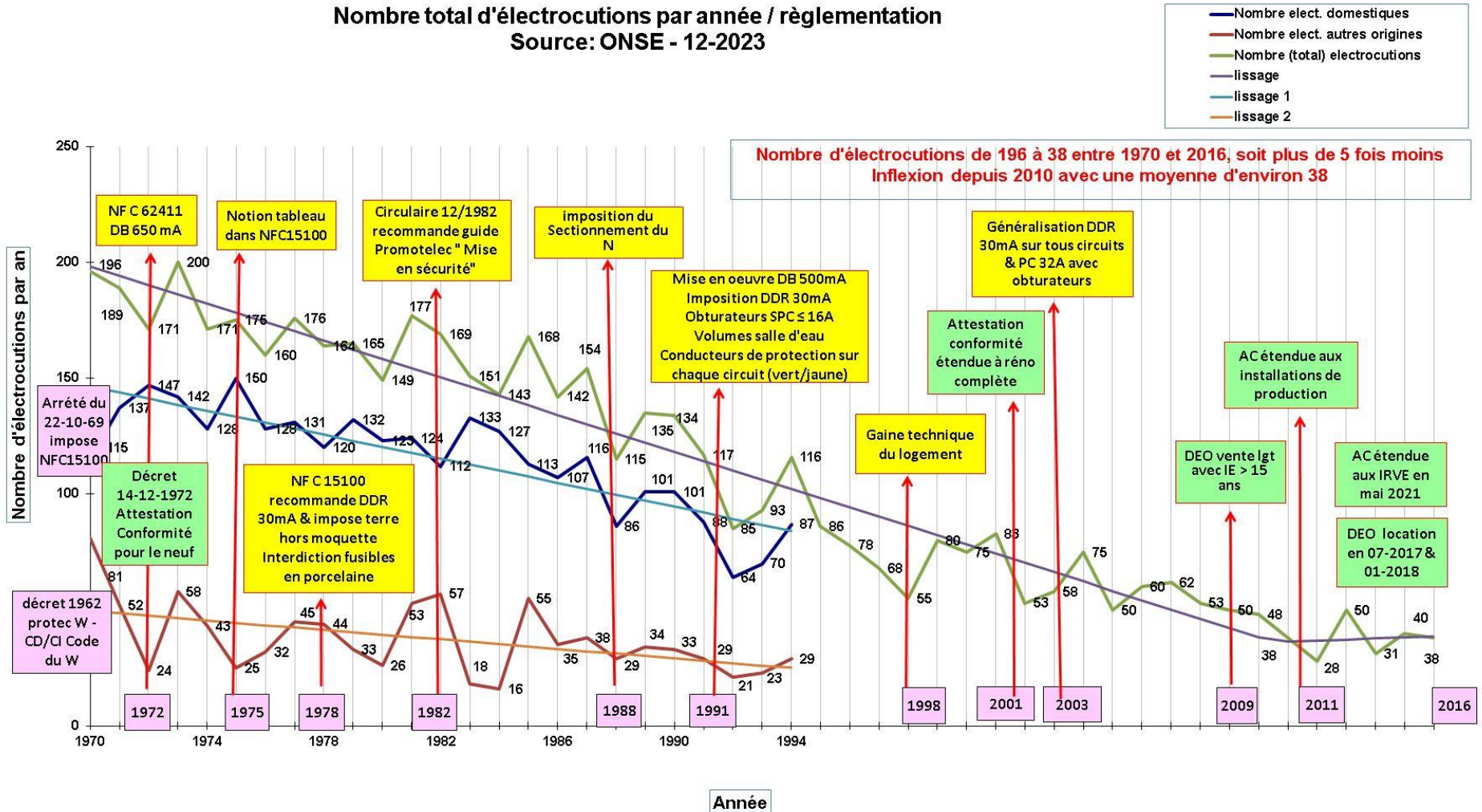
Epidemiology

37 accidental deaths by electric choc in 2016, excluding suicides and homicides

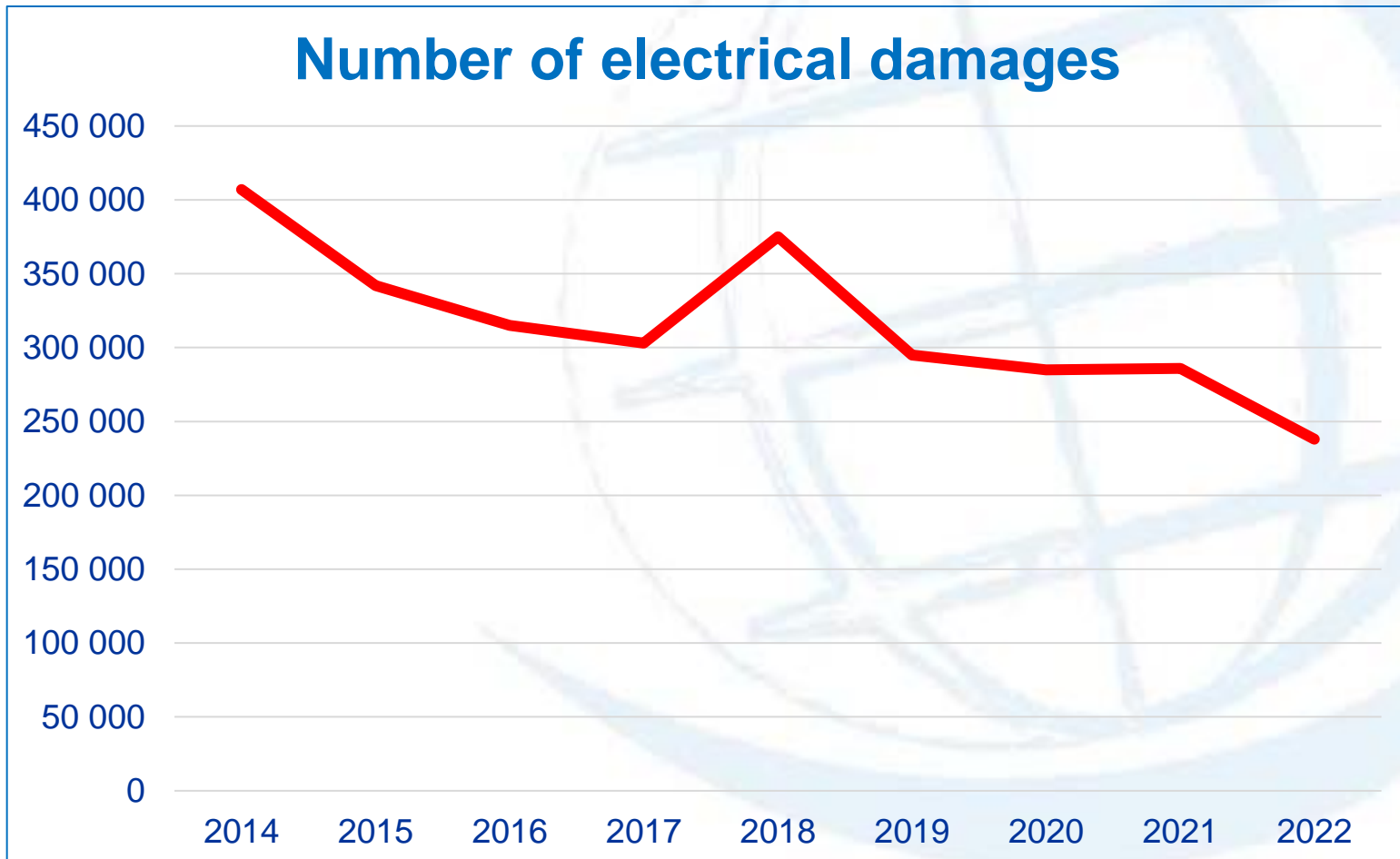
- W85, 86 & 87 from ICD10 - Exposure to electric lines, specified and unspecified electric current
- Constant figure: between 30 to 40 since 2010
- Halved from 2000 to 2010
- Divided by 5 in 40 years, thanks installation rules
- 6 out of 10 are between 25 and 64 years old

Source: public body – Metropolitan France

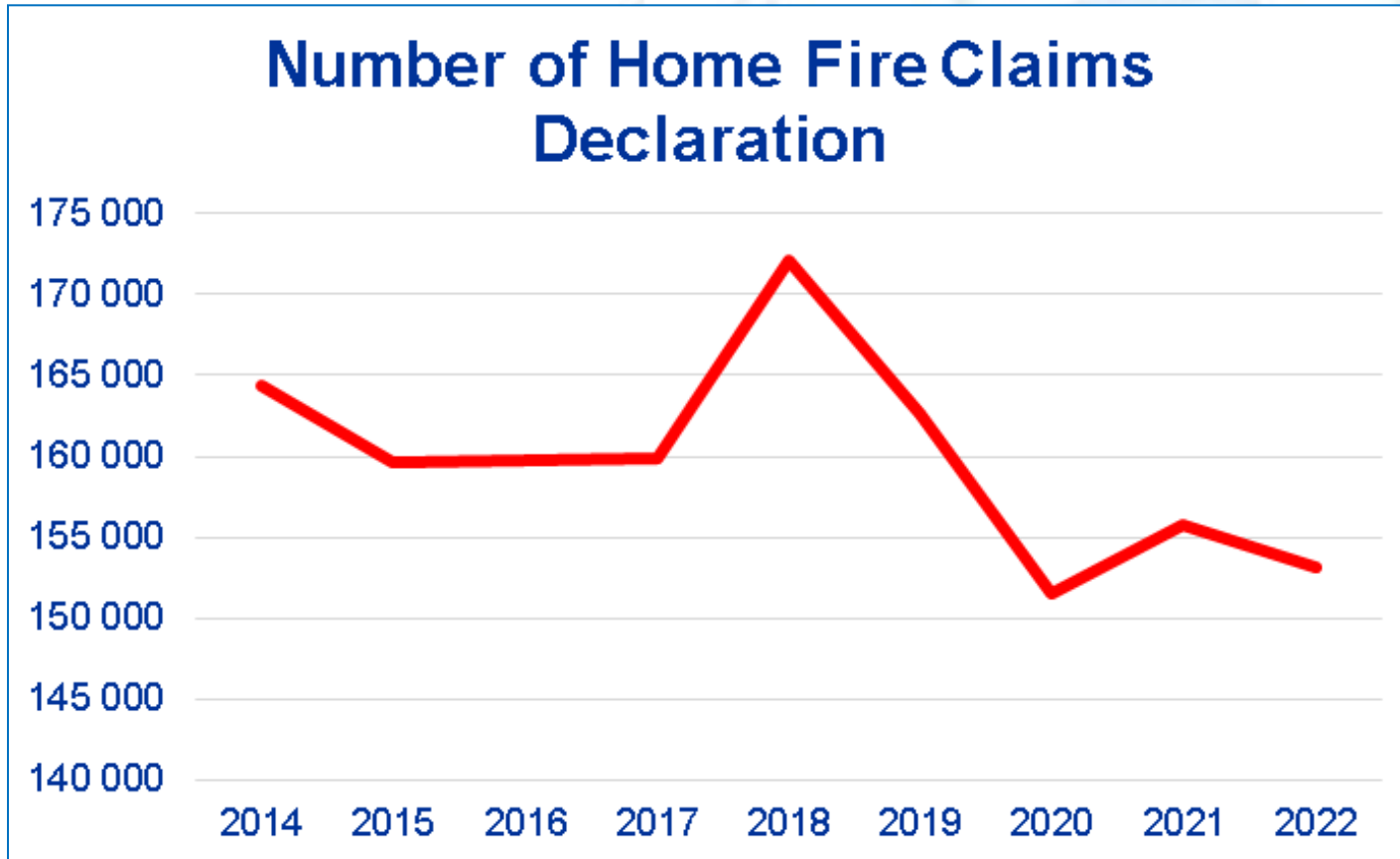
Nombre total d'électrocutions par année / réglementation
 Source: ONSE - 12-2023



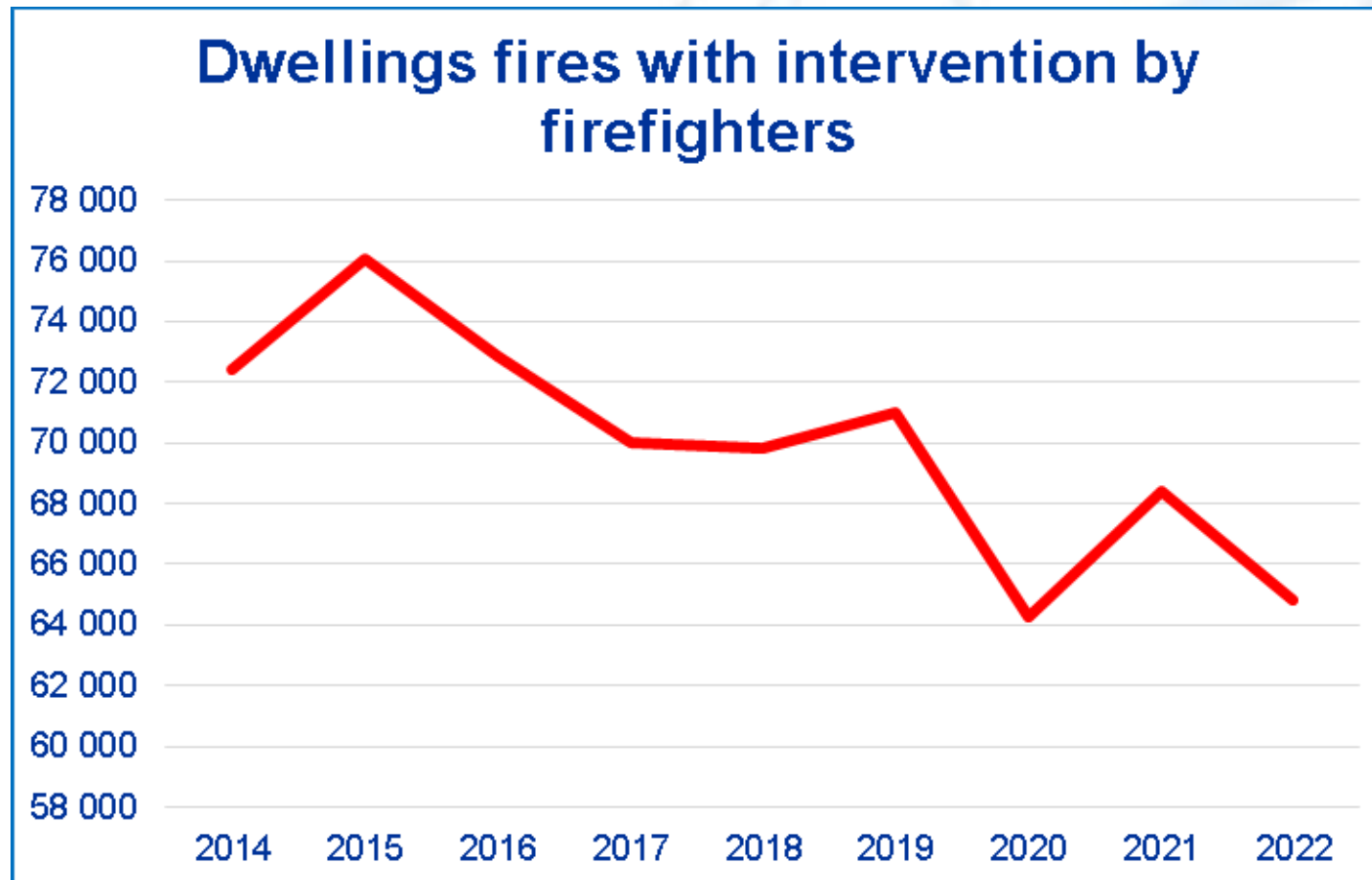
Data from Insurances



Data from Insurances



Data from Firefighters



Fires with electrical source

Between **20 & 35 %** dwellings fires could be from electrical source (14 studies over 20 years all buildings)

55% human behavior : negligence, imprudence, voluntary acts

45% of faulty installation components or electrical equipment

MERCI - THANKS

