

Qld Electrical Activity

July 2016 to June 2017

Prepared by Lionel Smith
Regional Inspector of Mines
11 July 2017

Overview

- The year that was
- Trends over the short and long term
- Who has been involved

The past year

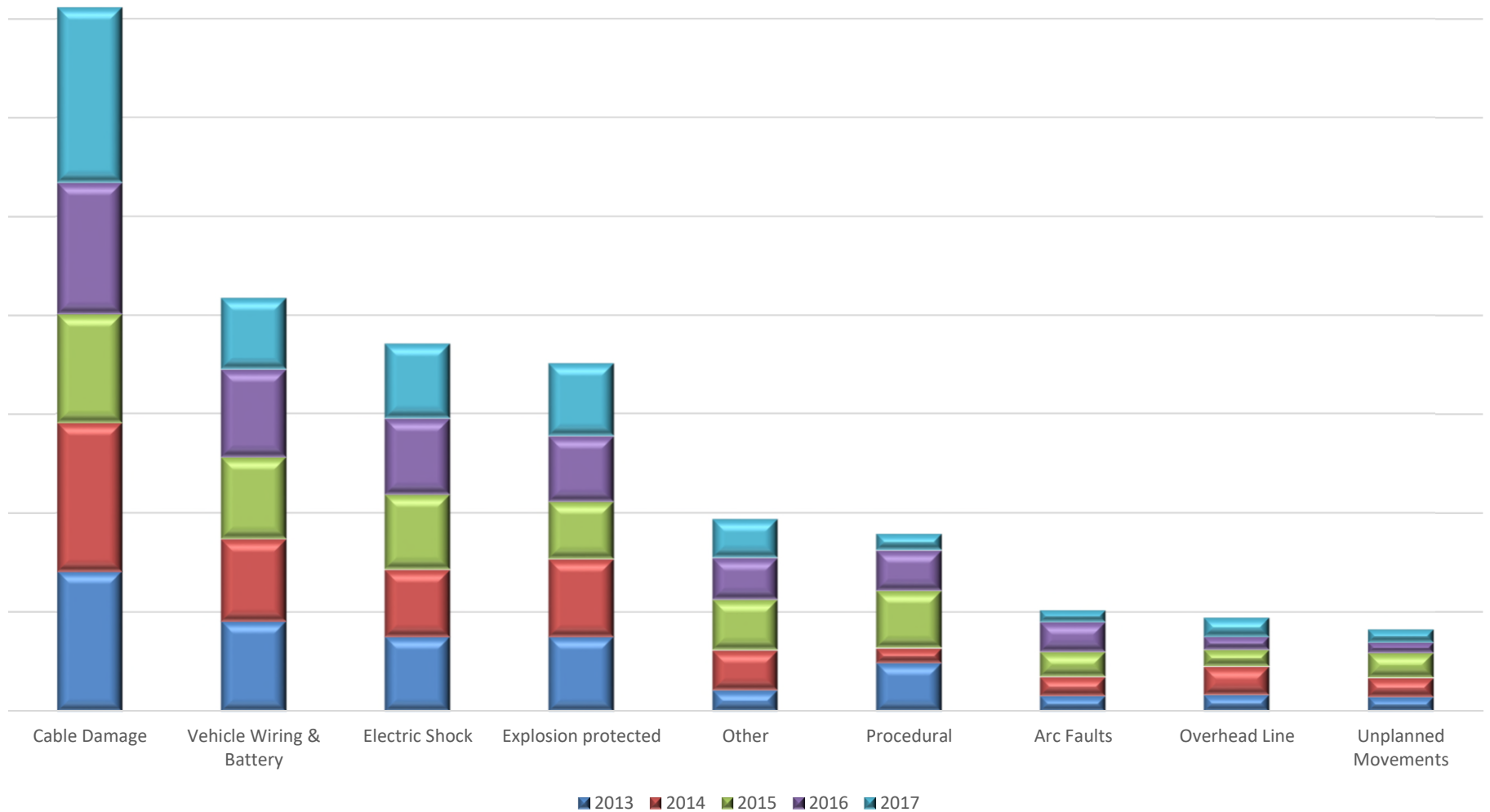
181 Inspections

- 42 Directives
- 182 Substandard Condition or Practice items
- 102 Recommendations

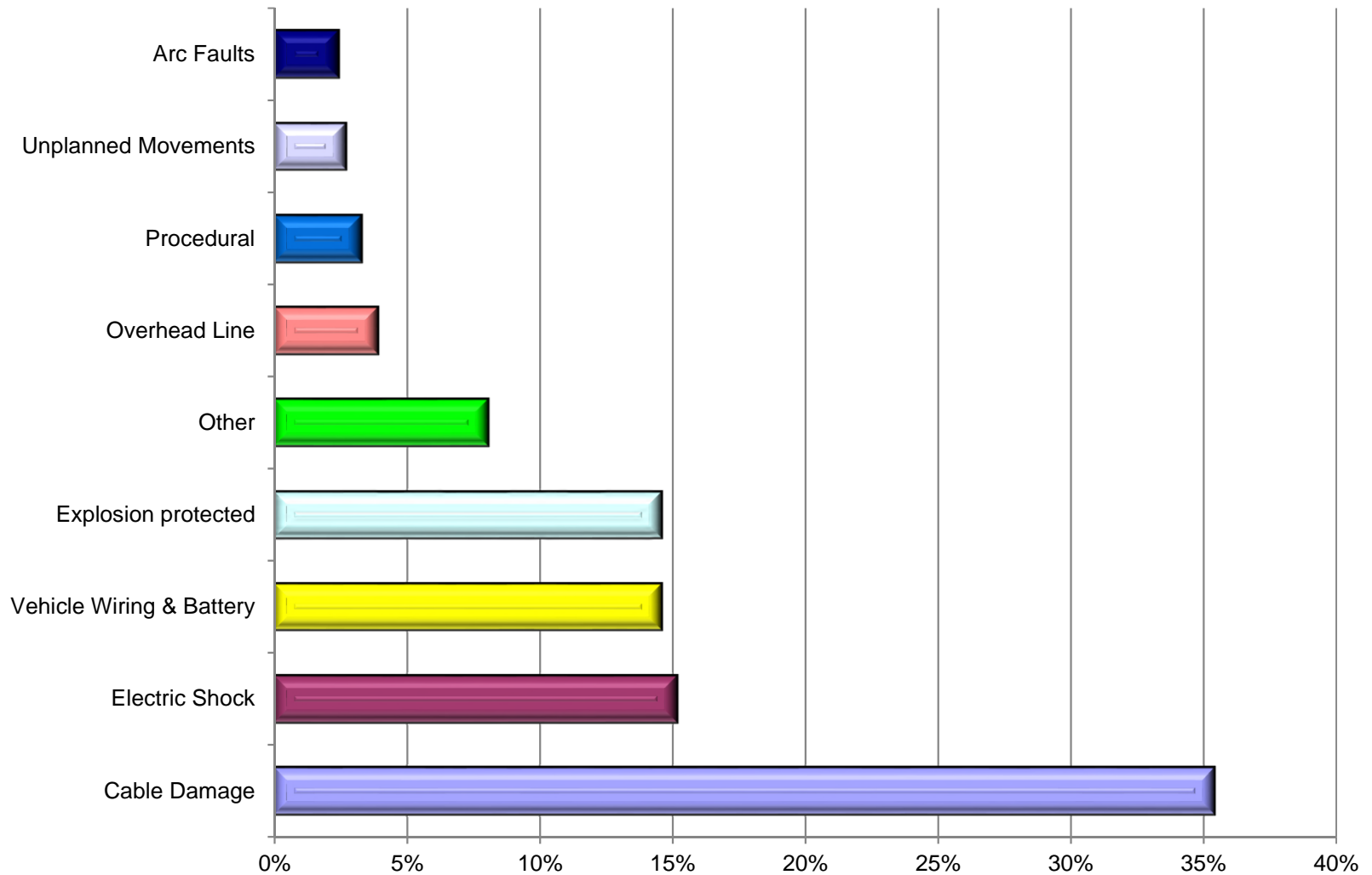
The past year

- 2103 incidents reported to Inspectorate
- 20 % classified as electrical
- No change year on year

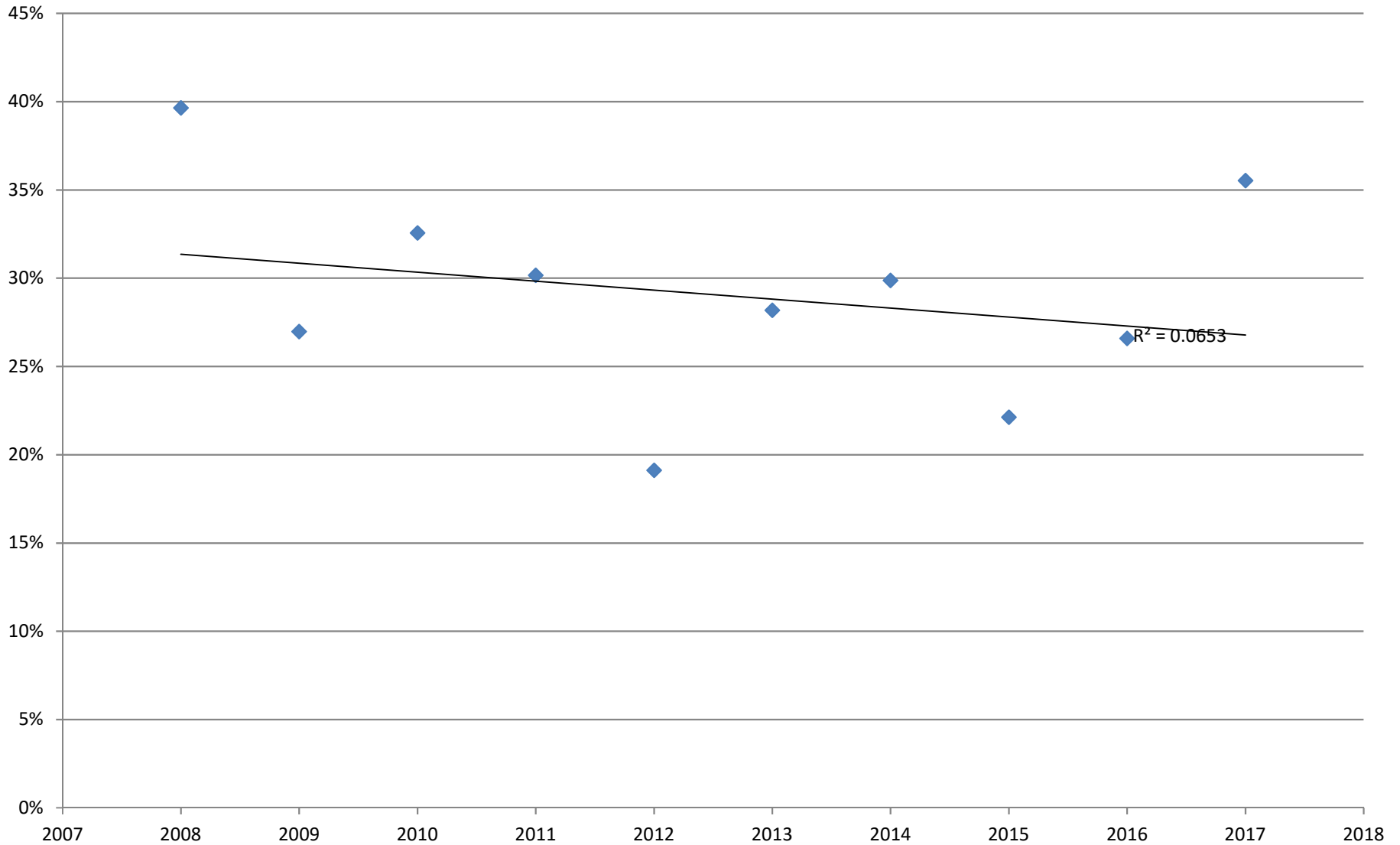
Issues by hazard – Long term



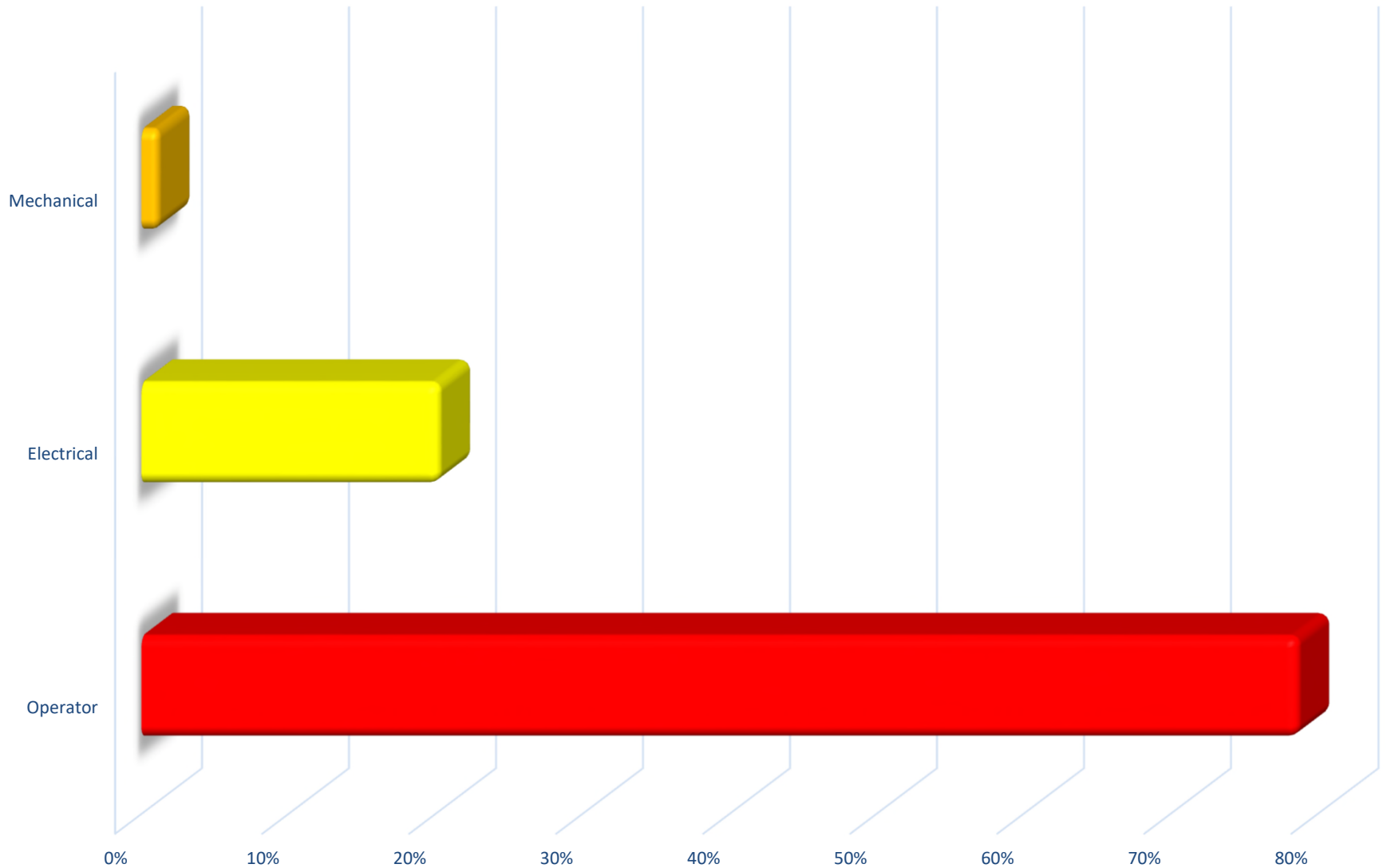
Issues by hazard – 2016-17



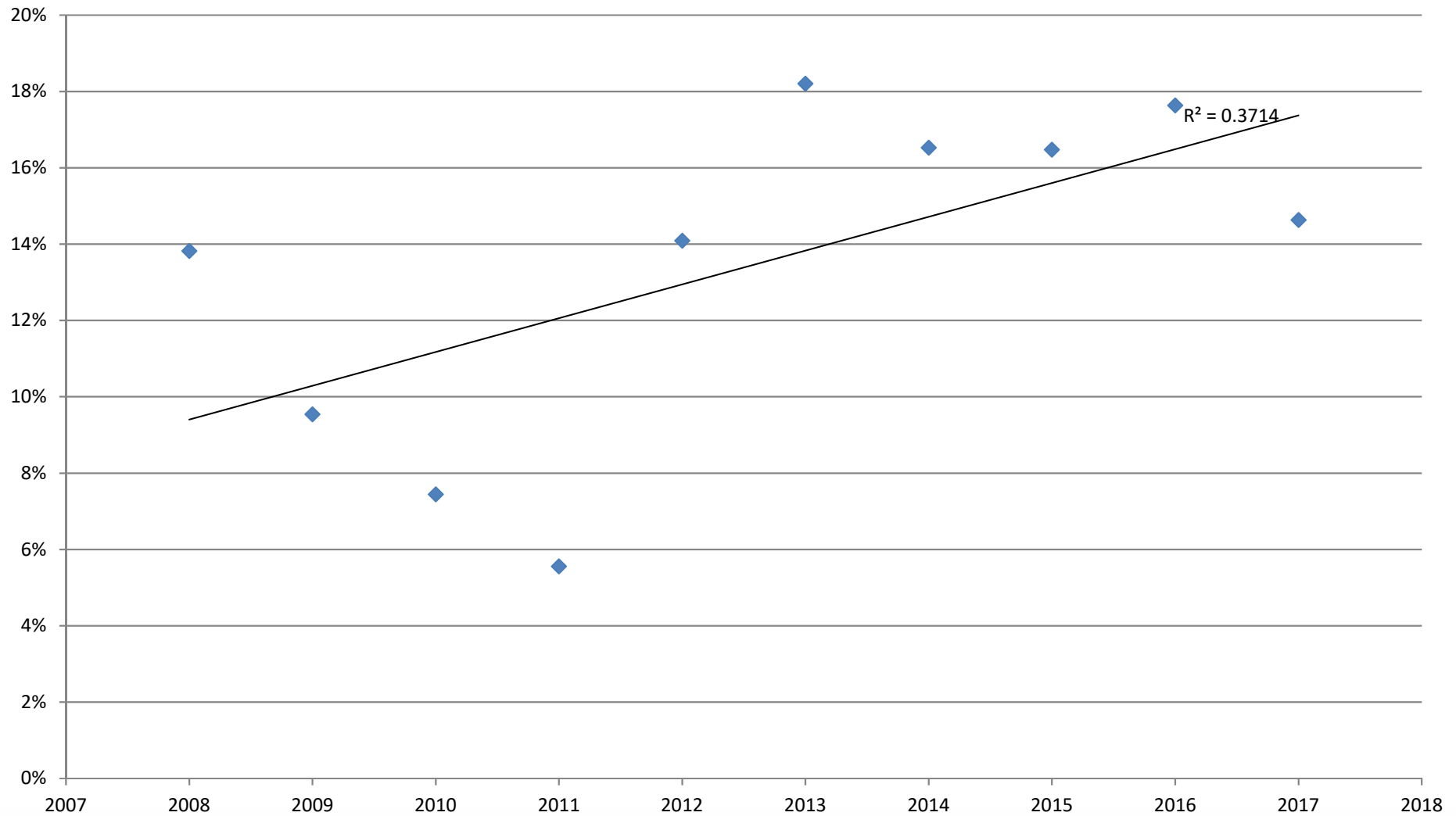
Cable damage



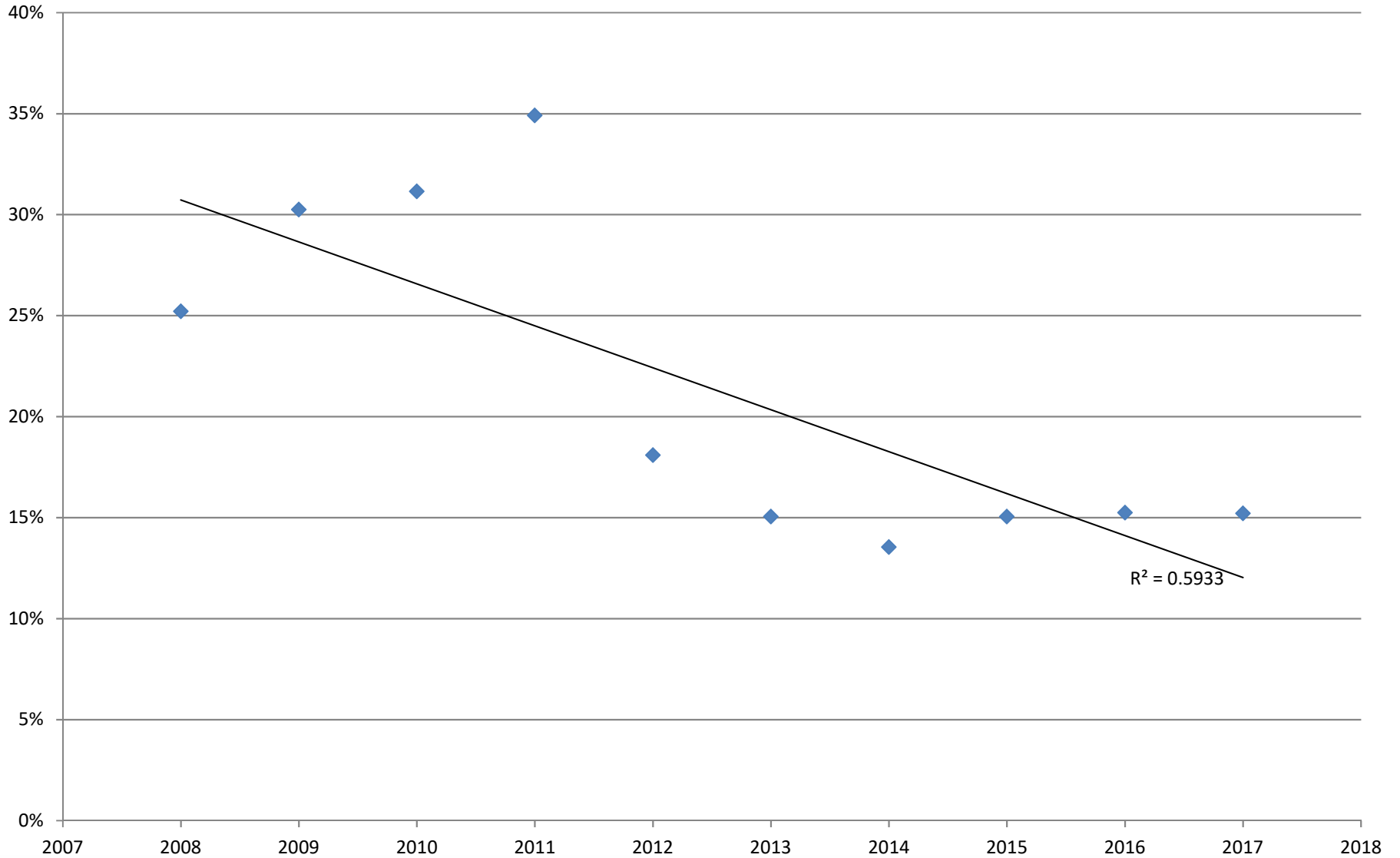
Cable damage by discipline



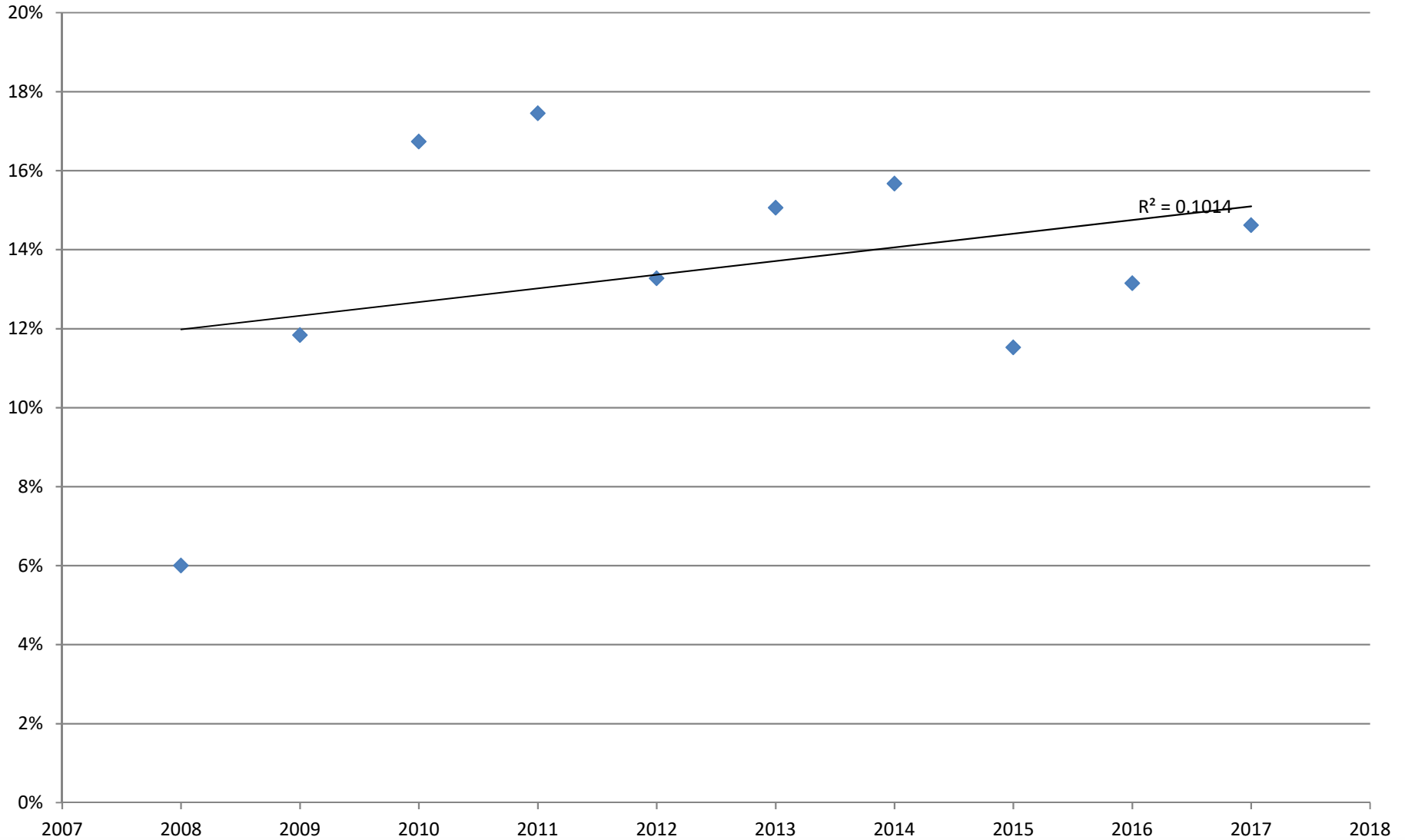
Vehicle wiring and batteries



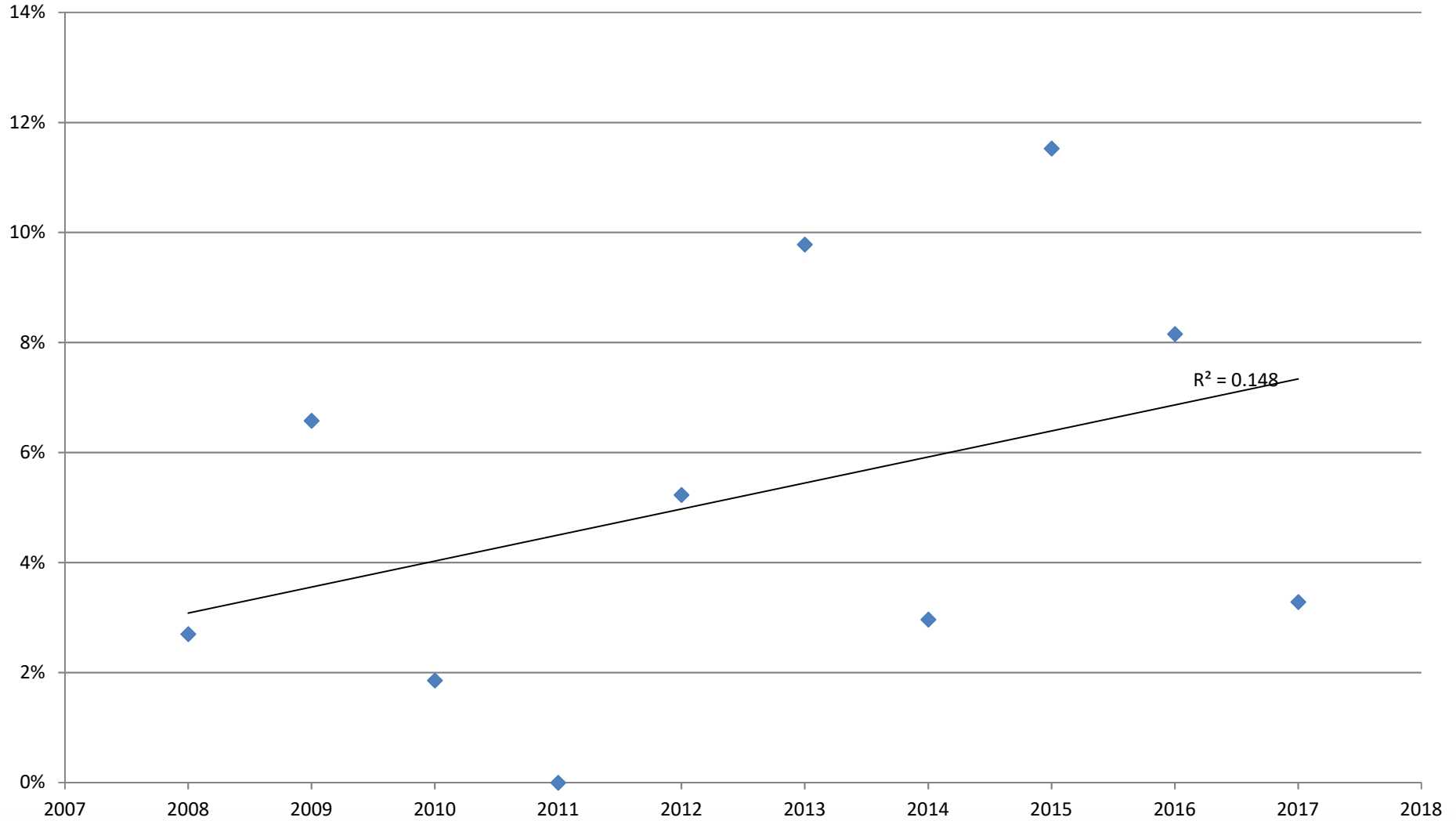
Electric shock



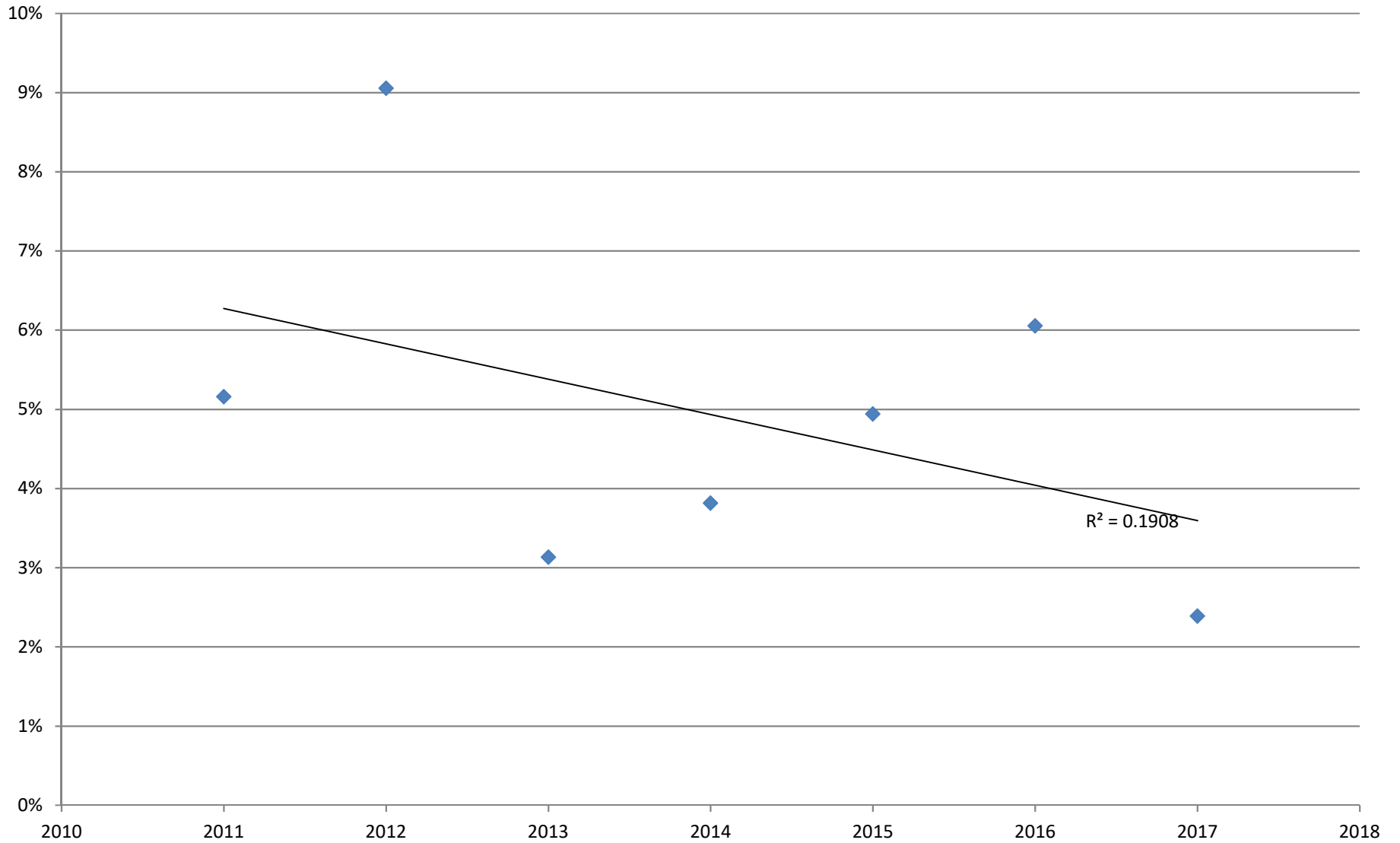
Explosion protected



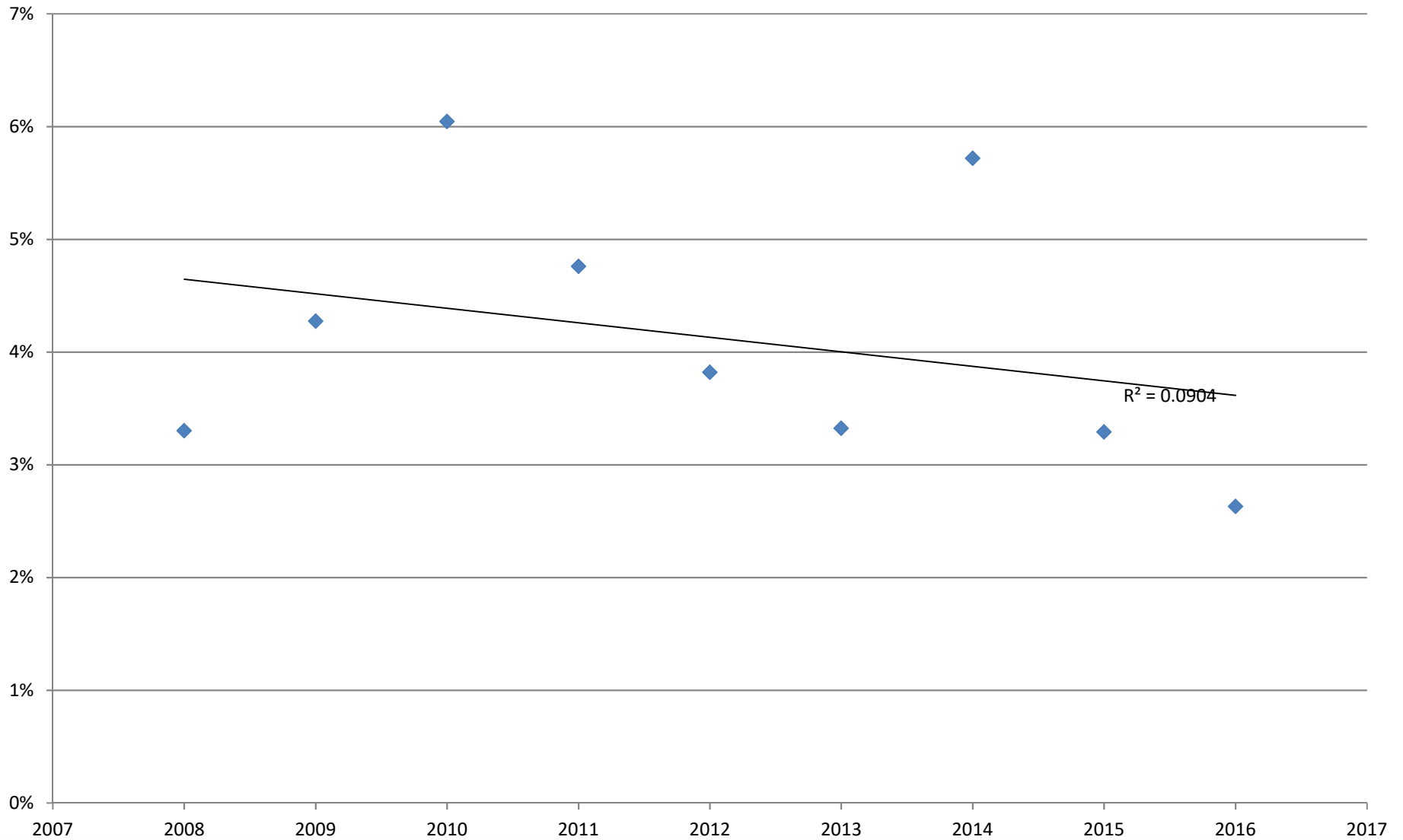
Procedures



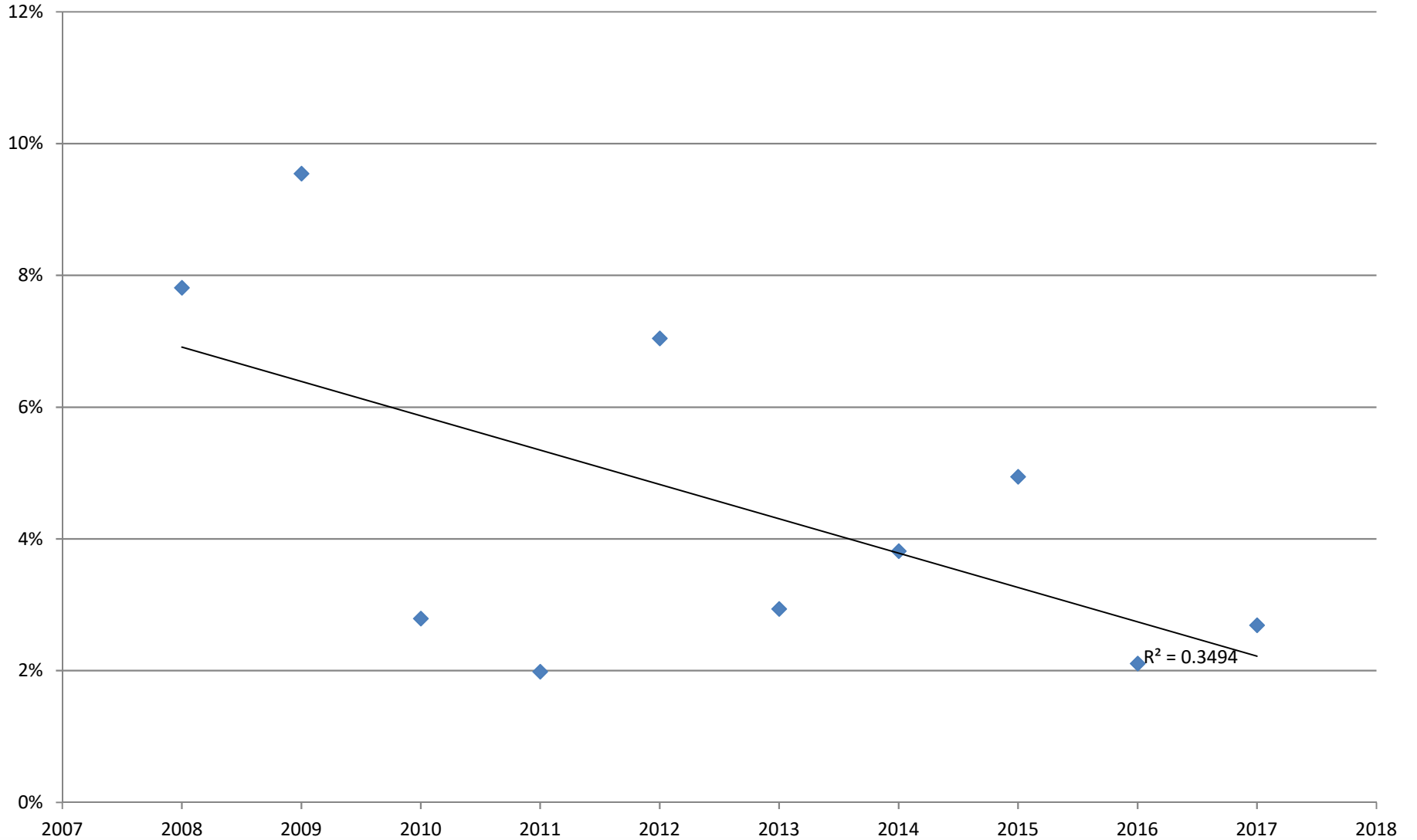
Arc fault



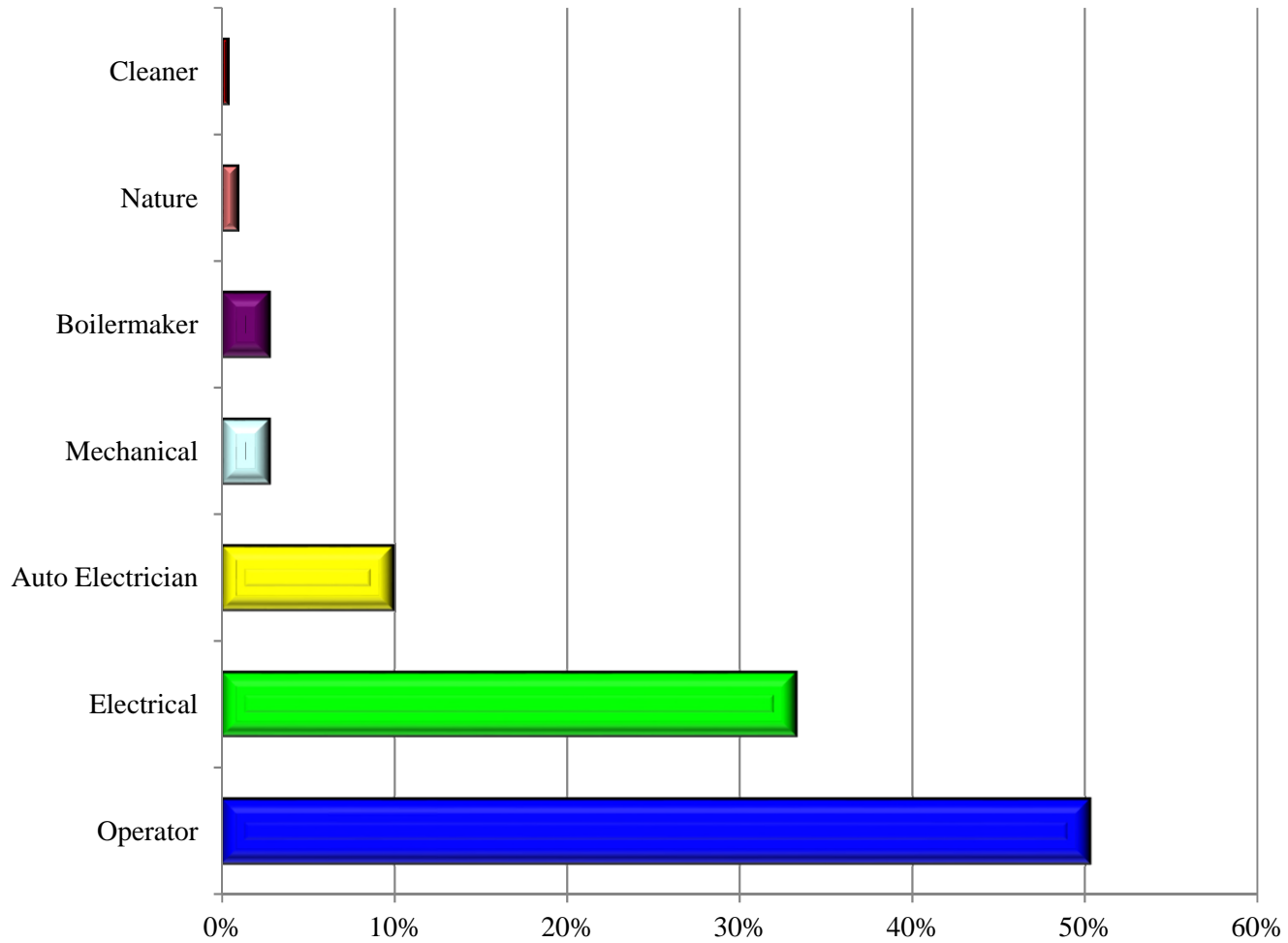
Overhead infrastructure



Unplanned movements



Who?



Publications

- Guidance Note – Diesel Electric Vehicles
- Safety Publications
- Mineral Mines and Quarry Monthly Summary

Reflection

- No change in overall reporting
- Cable damage is increasing
- How many failures in explosion protection installations can we tolerate?
- We need to educate our operators

Contacts Coal Mines

- Neville Atkinson – South Region
- John Kabel – South Region
- Peter Herbert – North Region
- Paul Sullivan – North Region

Contacts Mineral Mines and Quarries

- Lionel Smith – South Region
- Trevor Brown – North Region
- Jon Smith – North West Region