

World Safety Barometer

An efficient tool to increase electrical safety

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Agenda

1. Introduction
2. Why ?
3. Search
4. Contribute
5. Criteria for residential
6. Criteria for non-residential

1. Why

« The vast majority of the fire fatalities that occur are preventable. »

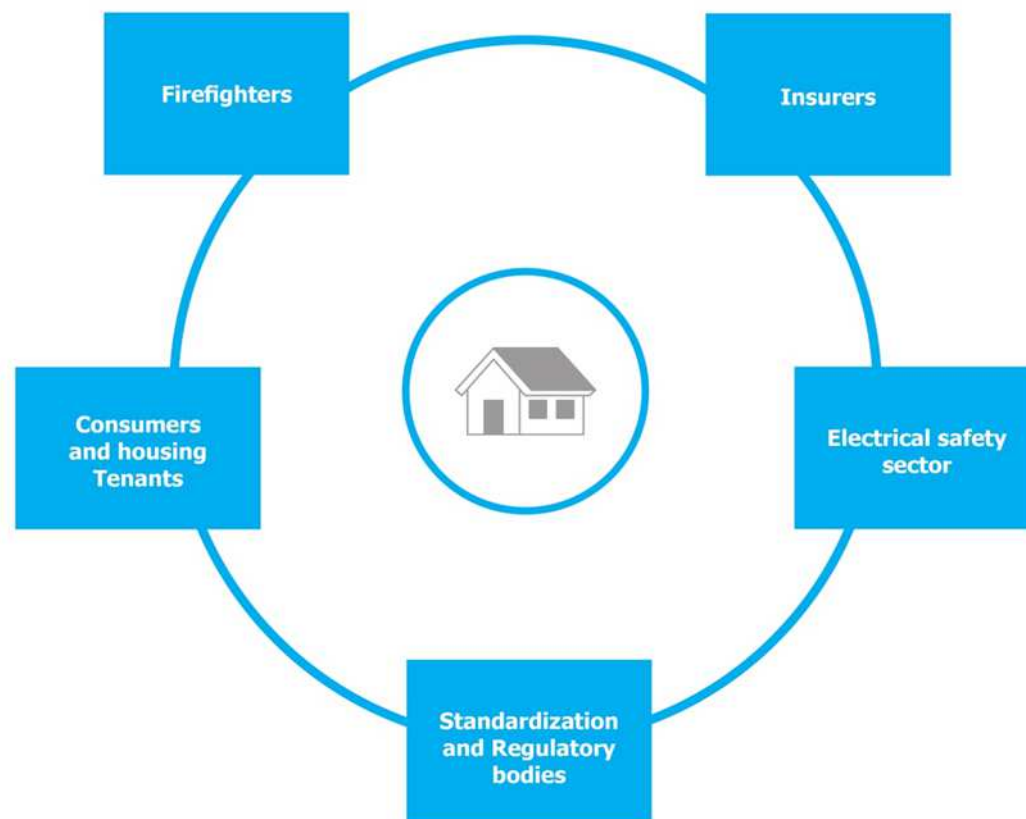
Mike Hagen

This is certainly true for the fire from electrical origin.

FISUEL

1. Why

The Virtuous Circle



Symposium Fisuel – Indonésie – 10 & 11 Mai 2017

Fisuel Symposium – Indonesia – 10th & 11th of May, 2017

1. Why

- In order to be efficient, the Circle need tools and one of those is the World Safety Barometer

1. Why



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Barometer for Asia - ECI

www.safetybarometer.org/region/asia

European Copper Institute
Safety Barometer

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ECI Safety Barometer > Barometer > Asia

Asia 33%

Name	Criteria unknown	Criteria not met	Partially fulfilled	Criteria fulfilled	Safety score
China	3	7	1	2	28% Download the report
India	3	7	2	1	16% Download the report
Indonesia	3	7	1	2	24% Download the report
Japan	0	0	4	9	85% Download the report
Korea, South	0	0	4	9	81% Download the report
Malaysia	3	7	2	1	16% Download the report
Singapore	5	5	0	3	30% Download the report
Taiwan	3	6	1	3	34% Download the report
Thailand	4	8	0	1	10% Download the report
Vietnam	3	9	0	1	10% Download the report

results 10 of 10

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13:19 24-04-17

Why

Goals:

Benchmark a country with others one :

on geography,

GDP, ...

Definition of the market maturity

based on the score & the report.

Senegal = 40 %

Ivory Coast = 73 %

Why

1. The members of the Circle are able to prepare and to plan the action plan
2. They can collect easily data, informations and contacts and materials

Free service to the world community from FISUEL

Why



Search

Go to <http://www.safetybarometer.org/about> or Google

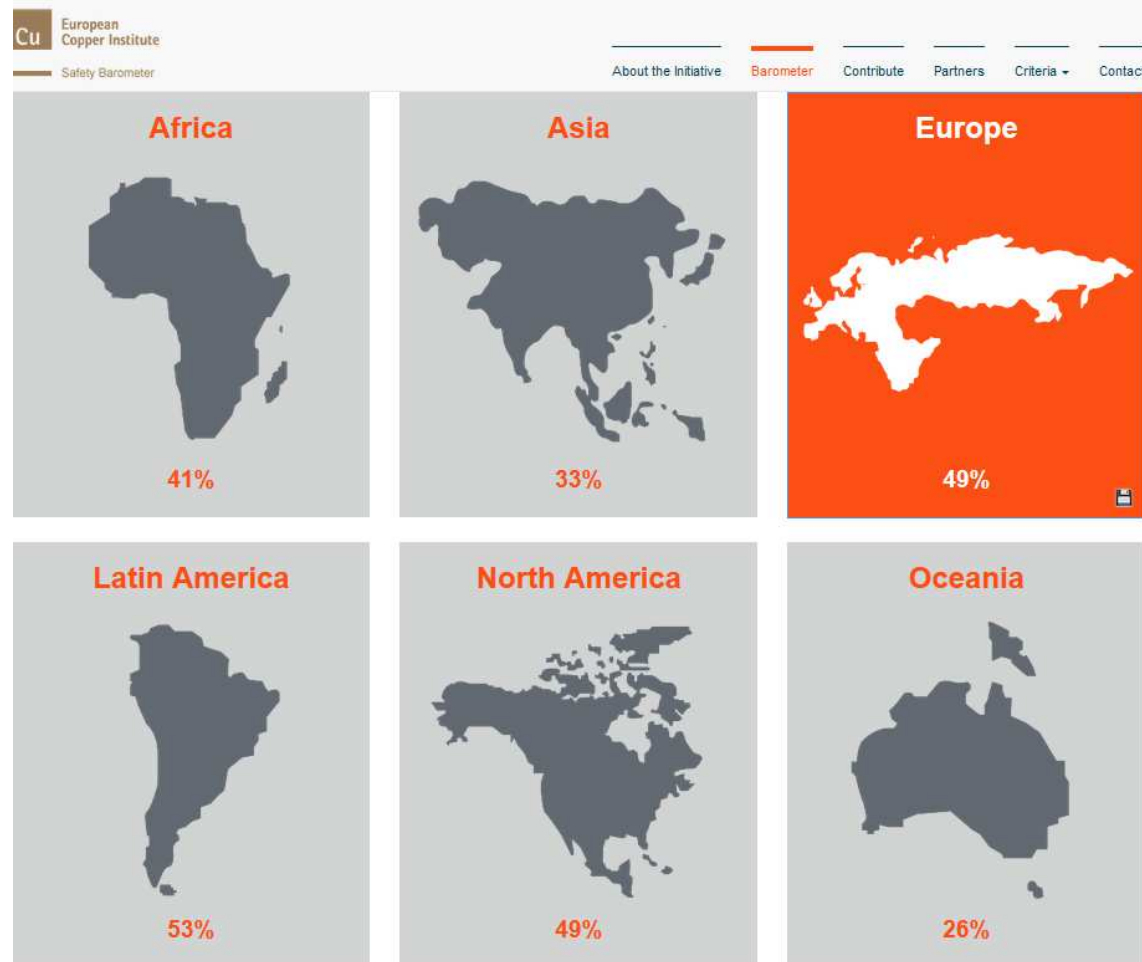


The screenshot shows a Google search page for the query "wolrdd safety barometer". The browser's address bar shows the URL: https://www.google.be/?gfe_rd=cr&ei=VeT9WLDtNpPb8AeeuaOAAw#q=wolrdd+safety+barometer. The search results page displays approximately 2,800,000 results in 1.16 seconds. The top results include:

- Contribute - ECI Safety Barometer**
www.safetybarometer.org/contribute ▾ Traduire cette page
World Safety Barometer Questionnaire. If you wish to contribute, please submit your request. You will receive an email invitation to complete the questionnaire.
Vous avez consulté cette page 4 fois. Dernière visite : 23/04/17
- ECI Safety Barometer: Welcome!**
www.safetybarometer.org/ ▾ Traduire cette page
The Electrical **Safety Barometer** aims to provide a benchmark to policy ... Both FISUEL and **world** experts endorse these criteria and the weighting factors.
- About - ECI Safety Barometer**
safetybarometer.org/about ▾ Traduire cette page
Ensuring this level of **safety** requires best practices in design, installation and inspection. However, the majority of countries around the **world** are missing the ...
- News Articles - European Copper Institute**
copperalliance.eu/.../eci-launches-its-world-electrical-safety-barom... ▾ Traduire cette page
ECI Launches its **World Electrical Safety Barometer**. Electrical systems, electricity generation, safety, electrical, electric conductivity, efficacy. As a member of the ...
- Communication Style Is A Barometer of Culture | Safety Leadership**
ehstoday.com ▾ Safety Leadership ▾ Traduire cette page
4 mai 2016 - ... of managers and supervisors is a **barometer** of the **safety** culture. ... In a compliance **world**, many people believe that if you just follow the ...

The Windows taskbar at the bottom shows the time as 13:41 on 24-04-17, along with various system icons and application shortcuts.

Search



Symposium Fisuel – Indonésie – 10 & 11 Mai 2017

Fisuel Symposium – Indonesia – 10th & 11th of May, 2017



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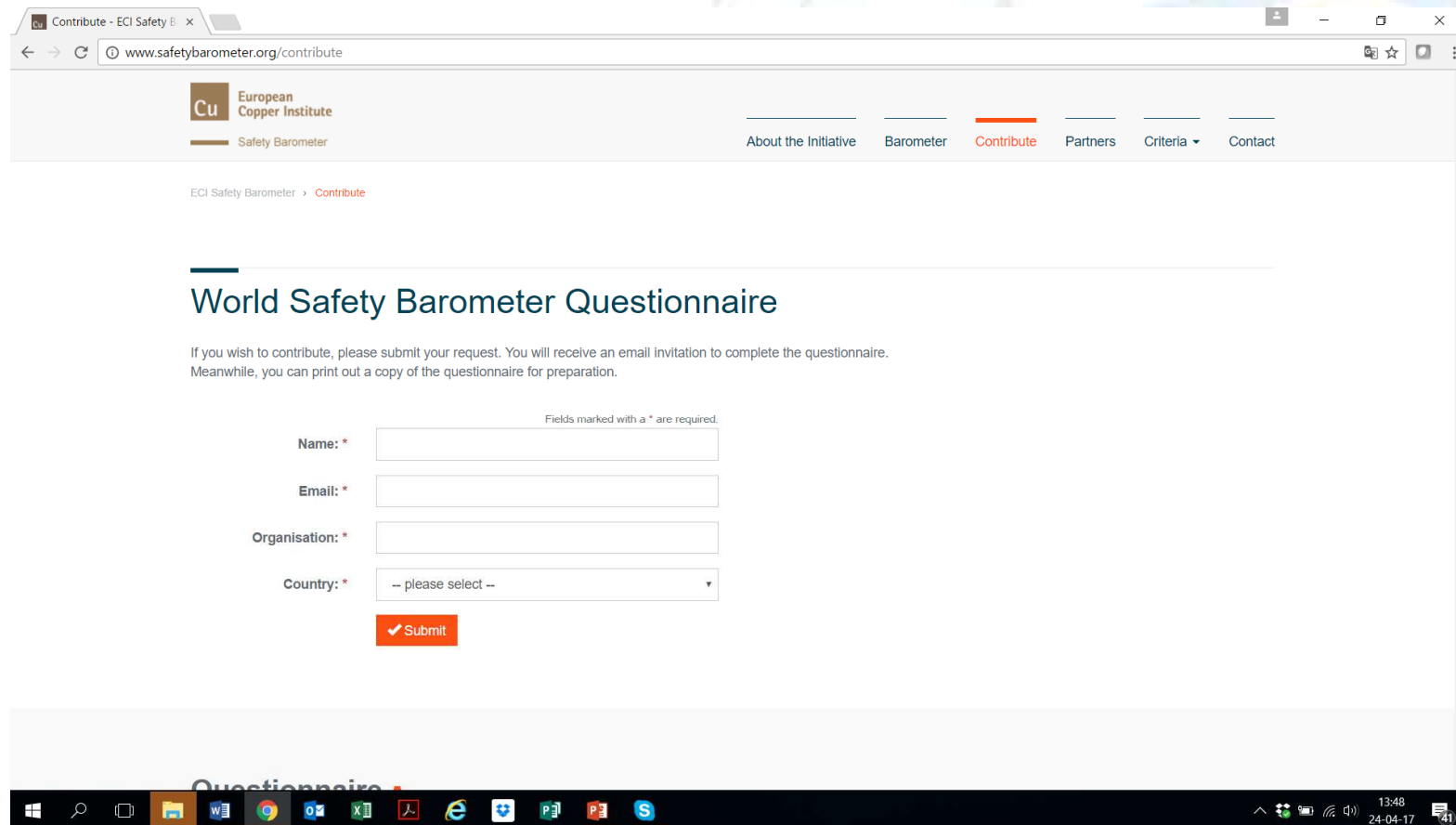
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results 10 of 10

Windows taskbar with icons for File Explorer, Word, Chrome, Outlook, Excel, PowerPoint, Skype, and system tray with time 13:45 and date 24-04-17.

Contribute



Contribute - ECI Safety B x

www.safetybarometer.org/contribute

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About the Initiative Barometer **Contribute** Partners Criteria Contact

ECI Safety Barometer > Contribute

World Safety Barometer Questionnaire

If you wish to contribute, please submit your request. You will receive an email invitation to complete the questionnaire. Meanwhile, you can print out a copy of the questionnaire for preparation.

Fields marked with a * are required.

Name: *

Email: *

Organisation: *

Country: * -- please select --

Windows taskbar: 13:48 24-04-17

Contribute

Are standards and rules in place?

E.g. electrical installations need to follow the guidelines of IEC 60364

Is an initial inspection required?

E.g. initial verification as performed by Consuel, Certiel, Fesia, ...

Is a periodic inspection required?

E.g. inspection of installations at regular intervals, as required in Belgium

Must there be proof of the inspection by the delivery of an inspection report?

Is there a mechanism for inspection of existing installations?

E.g. the diagnostic required in France when selling a property

Must the person carrying out the inspection be a qualified inspector?

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Must the electrical contractor or installer be a qualified person?

Does the electric utility only connect the installation after having received a positive inspection report?

Are consumers educated on the dangers of electricity?

E.g. communication campaigns by government, utilities companies or manufacturers.

Is regulation in place that imposes standards for electrical installations and initial verification?

Are products in the market adequately labeled for electrical safety, and is this labeling system understood?

Do manufacturers actively engage for electrical safety in the marketplace?

E.g. training, ISO certification, compliance to regulation, ...

Is there adequate action on market surveillance from the authorities?

E.g. specific actions such as ASEC in France and ACI in UK against counterfeiting.

Criteria and weigthing

<u>Criteria</u>	<u>Weight</u>
1. Standards & rules in place	10
2. Requirement for initial inspection	10
3. Requirement for periodic inspection	7.5
4. Proof of inspection through inspection report	5
5. Mechanism to inspect existing installations	10
6. Qualification of inspectors	7.5

Criteria and weigthing

<u>Criteria</u>	<u>Weight</u>
7. Qualification of contractors	5
8. Active role of utilities	10
9. Consumer education	5
10. Regulation imposing standards & initial verification	5
11. Product labelling	5
12. Active role of manufacturers	5
13. Adequate market surveillance	15

Criteria for Non-Residential

1. Fire detection
2. Smoke extraction
3. Evacuation plan & emergency lighting
4. Sprinkler
5. Initial Inspection before power
6. Initial inspection before commissioning
8. Periodic inspection
9. Infrared inspection
10. Counterfeitng

Criteria for Non-Residential

11. Training and empowerment of the maintenance staff
12. Staff training
13. Fire resistance cables
14. Fire resistant cables design for vital circuits
15. Fire data collection
16. Inspection reports collection
17. Arc faults circuit interrupteurs
18. Role of insurance

THANK YOU

MERCI

