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1-FISUEL General Information

For consistent newsletters

Thank you for continuing to enrich the newsletters with your articles.

If you have topics that you would like to share with the recipients of the FISUEL newsletter, do not hesitate to send us a Word page with photos to the email address patrick.aubelis@fisuel.org

Websites

- Fisuel Website : <https://www.fisuel.org/>
- World Safety Barometer website : It offers the possibility of comparing the level of electrical safety, country by country according to 13 criteria - <https://www.safetybarometer.org/>

We remind :

- the FISUEL Head Office at 21 rue Ampère, Paris, 75017, France.
- the email of the General Secretary, Patrick Aubelis: patrick.aubelis@fisuel.org,
- the telephone number of the Secretary General: + 33 (0) 6 86 51 84 92

Reminder of some articles covered in the Newsletters :

- NL45: WorldSafetyBarometer website, Cossuel in Senegal, Electricians without borders in Lebanon
- NL46: Qualifelec, Megger and ONSE in France
- NL47: Coperalliance in India and Electriciens sans frontières

La Newsletter is available on the website <https://www.fisuel.org/newsletters/>



2-New management team of Fisuel

The new management team of Fisuel, for the 2023-2026 mandate, was put in place during the General Assembly of May 2023.

Mr Dominique Desmoulins was elected President.

Mr Marc Maslowski was appointed treasurer.

The Board of Directors is made up of 12 directors and deputies

o Country	Member	Director	Deputy
o Cote d'Ivoire	LBTP/Securel	Jean-Claude Kouassi	Mamadou Sylla
o France	EDF	Dominique Desmoulins	Jean-Marc Boulicaut
o France	CONSUEL	Marc Maslowski	
o Lebanon	OEA	Jamal Haydar	Habbib Srour
o World	SE - ASEC	Pierre Selva	
o World	Copperalliance	Olivier Tissot	Manas Kundu
o World	UIE	Koen Van Reusel	
o New Caledonia	COTSUEL	Alexandre Vigier	
o Republic of Korea	KESCO	Job Shin	
o Republic of Benin	CONTRELEC	Mohamed Saïzonou	Faïkou Yaya
o Senegal	COSSUEL	Mamadou Lamine Dia	
o Senegal	PROQUELEC	Moustapha Dieye	Babacar Sarr

The 3 orientations proposed by the new President, emanating from the 3 main expectations of the members, for the mandate of the next 3 years, were voted on.

- o Conformity of Electrical Installations in Residential Buildings
- o Members' expectations on new areas of electricity
- o Worldwide consolidation Fisuel's image

- **Primary expectation:** Fisuel must continue to promote electrical safety in residential buildings at a worldwide level because electricity plays and will play an increasingly important role in the world.
 - o This is the mission that led to the creation of Fisuel in 2002.
 - o We are a continuation of previous actions on subjects such as the conformity of electrical installations, standardization, training, qualification in residential buildings.
 - o All these topics have been developed over the past 20 years during our various symposiums.
 - o The global base of the World Electrical Safety Barometer (WESB) needs to be updated and reinforced with data from new countries. We can make this "% electrical safety country" database the largest in the world.
- **Second expectation:** Fisuel must facilitate contacts
 - o Members wish to obtain information or assistance from Fisuel in order to better respond to certain issues or specific problems related to electricity.
 - o Many electrical subjects call for the consolidation of experiences in terms of electrical safety such as access to electricity, the photovoltaic sector, charging Installations for Electric Vehicles, the energy transition or electricity in the Tertiary sector & Industry.
- **Third expectation:** Fisuel must consolidate its international image
 - o Members must relaunch exchanges and communication following these 3 years disrupted by Covid
 - o The World Safety Barometer website is the tool which provides a global image of electrical safety. We must work all together, through your networks and your knowledge, to raise awareness among countries to respond to the WESB questionnaires.
 - o Fisuel wants to reach 100 country profiles in 3 years.
 - o The websites are: <https://www.fisuel.org/> - <https://www.safetybarometer.org/>



4-Memorandum between Fesia and Consuel



This article comes from the article published on the Fesia website in Japan.

Fesia (Japan) entered into a Memorandum of Understanding (MOU) strengthening the cooperative relationship on information exchange, reciprocal visits and related activities with Consuel (France), on October 18, 2023 at Paris France in France.

Consuel: National Committee for the Safety of Electricity Users, in France.

Fesia: Forum of Electrical Safety Inspection Associations in Japan



3- Fisuel seminar at Paris in October 2023



Opening of the seminar by the President

The Fisuel seminar took place on October 16 and 17, 2023 in Paris La Défense in France, invited by Consuel. The objective was to consolidate actions for the safety of electricity users in countries around the world and to organize the future of Fisuel.

4 topics were addressed during these 2 days in connection with the 3 orientations approved by the General Assembly in May 2023.

- Topic 1: Inspection systems in new and existing residential buildings
 - [In line with orientation 1: Conformity of Electrical Installations in Residential Buildings](#)
- Topic 2: Photovoltaic Production Installations in residential buildings
 - [In line with orientation 2: Members' expectations on new areas of electricity](#)
- Topics 3 and 4:
World electrical safety barometer
Topic covered: Statistics on electrical safety
 - [In line with orientation 3: Worldwide consolidation Fisuel's image](#)

Inspection systems in new and existing residential buildings

The objective was to compare the situations by country in 3 regions of the world supplemented by the Tertiary / Industry and the impact of new technologies.

The presentations covered inspection systems in Europe, Africa and Asia/Pacific. They are all available on the Fisuel website.

The conclusions of the 1st topic: The participants discussed this subject at length, demonstrating their keen interest. They validated the strong contribution to this “electrical safety” topic. We note that inspection criteria exist in all countries but that differences appear in 5 areas:

- Taking into account the local political aspect
- The depth and number of criteria taken into account for the inspection
- The frequency and periodicity of inspections in the existing
- Training of installers
- The existence of standards, applied or not

These comparisons between countries are rich in lessons in terms of developing the right criteria and becoming a political tool so that each country can measure its areas of improvement in technical, economic or training aspects.

World Electrical Safety Barometer - WESB

The objective was to explain the principle and functioning of the WESB and to enrich it to 100 countries by 2026, decision approved by the GA in May 2023

The presentations made it possible to understand the “WESB” tool and to propose a way to promote it to reach 100 countries. They are all available on the Fisuel website. The WESB website address is <https://www.safetybarometer.org/>.

The conclusions of the 2nd topic: Many of the participants discovered the WESB, a tool which was transmitted by CopperAlliance to Fisuel. They validated, with its 13 criteria, its importance in helping to increase the level of electrical safety in countries. The information currently available for 43 countries is obsolete. We are going to update them and add 53 new countries.

Statistics on accidents and electrical source fires in residential buildings

The objective was to present the situations of certain countries, to recall the existence of the OISE (International Electrical Safety Observatory) in Fisuel and to appreciate its consolidation at the Fisuel level.

The presentations of the situations in France, Europe, Africa, Japan, Korea and India made it possible to detail the various known statistics. They are all available on the Fisuel website.

The conclusions of the 3rd topic: The participants were able to appreciate the diversity and complexity of the “statistics” topic linked to electricity in residential buildings.

They validated:

- like the previous themes, the importance of statistics to help increase the level of electrical safety in countries.
- the link between statistics and orientation 1, “Compliance of Electrical Installations”

They are classified into several sections:

- anomalies noted in existing electrical installations in residential buildings
- residential fires from an electrical source
- the consequences of these residential building's fires in human and economic terms
- electrical accidents (injuries and deaths following electrification)
- electrical damage

We see that statistics exist in all countries but that differences appear in many areas such as

- Taking into account the local political aspect

- The data collection methodology
- The definitions
- The precise scope of the statistics

Therefore, a lot of coherence work is necessary in order to be able to explain and justify the differences between countries.

Photovoltaic production installations - IPPV

The objective was to compare country by country, the validation systems of the conformity of a photovoltaic production installation placed in new and existing residential buildings, the consequences in terms of disasters and fires, the electrical anomalies observed, training ,...

The presentations concerned IPPVs in France, Japan, India, Lebanon and Senegal, supplemented by an update on IEC standards and the IEC Global Impact Fund. They are all available on the Fisuel website.

The conclusions of the 4th topic: The participants discussed this subject at length and validated the importance of coordinating in order to ensure the electrical safety of IPPVs on both new and existing buildings. We see that the 3 topics discussed previously also apply to IPPV, a new field of electricity.

General conclusions of the seminar

With the very positive state of mind of this seminar, the collective dynamic, the richness of the presentations and the confirmation of everyone to contribute to the actions, the President is very optimistic for the future of Fisuel.

He noted the desire to consolidate Fisuel and bring local data to the topics raised.

He mentions that the 3 Fisuel orientations are now definitively validated by all the participants, that is.

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- **1st orientation** : Conformity of Electrical Installations in Residential Buildings
 - o **Action 1:** For this first orientation, we must strengthen local operational best practices so that they are immediately transposable from one country to another.
 - o **Action 2:** Still for this orientation, we will consolidate the statistics at the WESB level, electrical source fires and electrical accidents.
- **2nd orientation** : Members' expectations on new areas of electricity
 - o **Action 3:** For this second orientation, we need to better understand these new areas of electricity, on a technical, operational and statistical level such as Photovoltaics and associated inspections / controls in order to ensure safety and avoid fire risks.
- **3rd orientation** : Worldwide consolidation Fisuel's image
 - o **Action 4:** This 3rd orientation concerns all members of Fisuel.
The results of the work of the first 2 orientations will also contribute to making Fisuel shine around the world.

Fisuel invites all the country correspondents of this newsletter to share their local experiences with us so that we can progress together

The wealth of Fisuel is in the hands of the regions to whom we will give the means to meet and progress together, all in order to improve contacts and performance.

All members present share the conclusions and thank the Fisuel and Consuel team for the organization, richness and effectiveness of this seminar.

To close these 2 days of work, the President

- calls to continue to make a strong contribution to ensure the continuity of Fisuel
- specifies that a first assessment will be carried out during the Board of Directors in March 2024
- thanks once again the experts who contributed to this seminar
- and meets all members at GAM 2024, the location and date of which will be communicated later.

Here is the WESB questionnaire to estimate the level of electrical safety in the country



Country report for : **Country Name (example)**

Questionnaire to estimate the level (%) of the Safety of Users of Electricity in Dwellings in Countries

The Electrical Safety Barometer consists of 13 essential criteria. Each of these criteria has a weighting factor to enable the calculation of a general score for each country. Both FISUEL and world experts endorse these criteria and the weighting factors. With the assistance of local experts, we are applying the barometer in an increasing number of countries.

Explanation of the **13 major criteria** go to -->

<https://www.safetybarometer.org/criteria/>

Enter one number of the following criteria (1, 2, 3 or 4) in the red column :

- 1 = Fulfilled Criteria** : existing criteria in your country
- 2 = Partially fulfilled Criteria** : part of the criteria existing in your country
- 3 = Unknown Criteria** : criteria inexistent
- 4 = Not met Criteria** : criteria known but unapplied

Number of criteria	1 - Fulfilled	2 - Partially	3 - Unknown	4 - Not met	Level of Electrical Safety in Dwellings
	4	4	3	2	56%

Criteria	Question	Weight	Criteria	Score
Standards & rules	Are standards and rules in place?	10	1	10%
Comments :				
Initial verification	Is an initial inspection required?	10	1	10%
Comments :				
Periodic inspection	Is a periodic inspection required?	7,5	2	4%
Comments :				
Inspection report	Must there be proof of the inspection by the delivery of an inspection report?	5	2	3%
Comments :				
Inspection for existing installations	Is there a mechanism for inspection of existing installations?	10	1	10%
Comments :				
Inspector	Must the person carrying out the inspection be a qualified inspector?	7,5	3	0%
comments :				
Electrical contractor or installer	Must the electrical contractor or installer be a qualified person?	5	4	0%
Comments :				
Role of utilities	Does the electric utility only connect the installation after having received a positive inspection report?	10	4	0%
Comments :				
Consumer education	Are consumers educated on the dangers of electricity?	5	2	3%
comments :				
Regulation	Is regulation in place that imposes standards for electrical installations and initial verification?	5	2	3%
Comments :				
Labelling and certification	Are products in the market adequately labeled for electrical safety, and is this labeling system understood?	5	3	0%
Comments :				
Role of manufacturers	Do manufacturers actively engage for electrical safety in the marketplace?	5	3	0%
Comments :				
Market surveillance	Is there adequate action on market surveillance from the authorities?	15	1	15%
Comments :				

Confidential

www.fisuel.org

5- LBTP Securel training at Consuel



As part of the collaboration between Fisuel members, Consuel welcomed in September 2023 a delegation from LBTP Securel from Côte d'Ivoire.

During their stay, members of the Ivorian delegation were able to follow technical training on the topics of Photovoltaics as well as on Electric Vehicle Charging Installations.

Mr Mamadou Sylla, Director of LBTP Securel, was also able to discuss with the quality manager of Consuel on the modalities of implementing accreditation as an inspection body.

This first step will allow trained technicians to set up a similar course for LBTP Securel employees and local installers.



6- FISUEL commits to Electriciens sans Frontières

As every year, Electriciens sans frontières is taking advantage of the end of the year to solicit the generosity of the public and promote the support of our partners.

<https://www.fisuel.org/les-actualites/>



To carry out its projects, Electriciens sans frontières can count on the valuable contribution of numerous partners, particularly those who make international solidarity an essential axis of their social responsibility policy.

At Fisuel, solidarity is at the heart of our concerns. This is why, at the end of the year, we invite you to support Electriciens sans frontières and thus allow more people to access the essential needs of electricity and water.

Your donations have a concrete impact. Let's stand together and fight against inequalities in access to electricity around the world, by promoting renewable energies.

👉 Donate : <https://bit.ly/3s5zNY6> »

💡 For information, **November 29** is World Generosity Day, and **December 20** is **International Human Solidarity Day**.

