

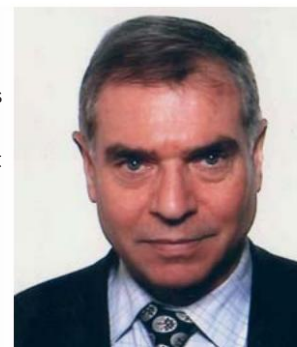
# THE NEGATIVE IMPACT OF RELAY ANTENNAS AND WIND TURBINES ON THE HEALTH OF MEN AND ANIMALS



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## Summary

The development of new technologies, such as wind turbines or the antennas required in particular by mobile telephony, induce new forms of pollution which propagate through faults in the ground and can have a negative impact on the health of humans and animals; in the article, **Alexandre Rusanov** shares his experience which led him to understand the link between certain of these installations and disorders observed in humans or animals and then to propose ways to correct the situation.



**DOMINIQUE DANGUY DES DESERTS**  
(ENGREF 1971)

The article that we are about to read may surprise you because it focuses on problems whose origins are poorly understood and which are, to date, rarely taken into account; However, these problems are real and it is logical to think that the recent and large-scale multiplication of antennas and wind turbines with their grounding induces fields which modify the natural balances of the soil and have effects on the biosphere.

It should be noted that awareness of the reality of these phenomena is progressing, but more for human health than for that of animals [1]

The rural world is particularly concerned, particularly farms when the animals are concentrated (pigsty, milking parlour); the animals are in fact in direct contact with the ground. We legitimately pay great attention to human health, while breeders find it more difficult to have the disorders suffered by their livestock taken into account; we tend to attribute them to dietary, genetic, bacterial causes or to call into question the technical expertise of the breeder who is advised ineffective treatments because they do not correct the problem. It is to help such breeders that it seemed useful to us to expose the situation and we thank the editorial committee for publishing this article in the Revue du GREF.

**Alexandre Rusanov**, is a geological engineer of Russian origin, graduated from the Peoples' Friendship University in Moscow, holds a specialized master's degree in computer engineering from the National Engineering School of Brest. He currently lives in Brittany. He first worked on the connection between the faults of the

soil and damage caused by earthquakes, as well as the impact of the activity of these faults on structures and buildings in non-seismic regions with the aim of advising urban planners and prospectors. His scientific knowledge, combined with a developed sensitivity, subsequently led him to become interested in the disorders observed in his environment, created by the soil and new technologies.

He then developed, with the help of the Prosantel association chaired by **Jean Uguen** (Pleyber-Christ, Finistère), a protocol for the analysis and treatment of these disorders and founded the **SARL TELLUS ([rusanov@tellus29.com](mailto:rusanov@tellus29.com))** to respond to requests for intervention. Indeed, the reality of nuisances of electromagnetic origin is beginning to be accepted, although it is not, for the moment, quantifiable.

**Dominique Danguy des Déserts** (ENGREF 1971) collaborated in the writing of this article; he is general engineer of rural water and forest engineering at the General Council for Agriculture, Food and Rural Areas.

The numbers between [ ] refer to the bibliography; photos and drawings are, unless otherwise indicated, **by Alexandre Rusanov**, referred to in the rest of the article as "*the author*".

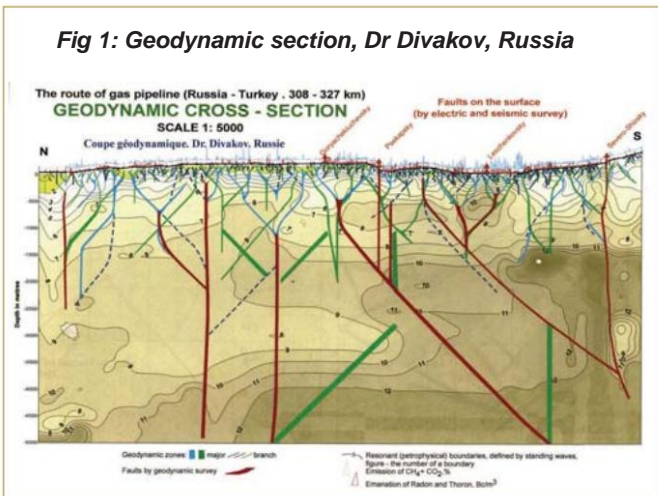
## Geology reminders

### The telluric network

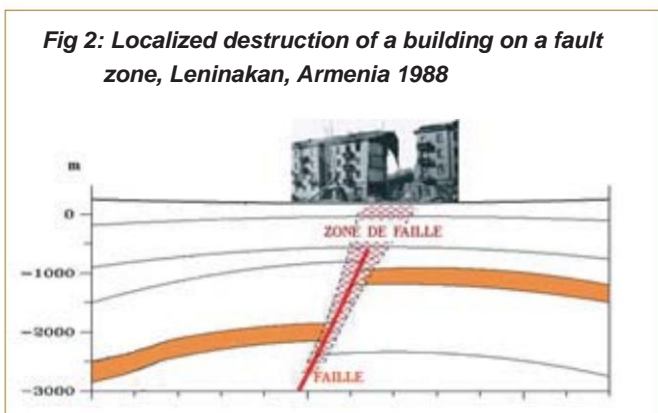
Our planet, Earth, is active; the testimonies are

numerous: the ground trembles, volcanoes erupt, the compass points North, the tide alternates ebb and flow [2].

Faults constitute a network that rises and branches towards the earth's surface. Through this network, energy is released; when the faults themselves do not reach the surface of the ground, we will speak of a "fault zone", a term used in the remainder of the article (fig 1).



We know little about what is happening inside the Earth. Part of its interior activity is revealed by volcanic eruptions and earthquakes; it is the visible part in particular because earthquakes cause the total or partial collapse of structures and buildings located on fault zones (fig 2). The invisible part of this activity results in slight movements of the ground, in the release of different gases and in emissions of natural pulsed electromagnetic waves (i.e. generated by the Earth).



### Natural nuisances and pollution

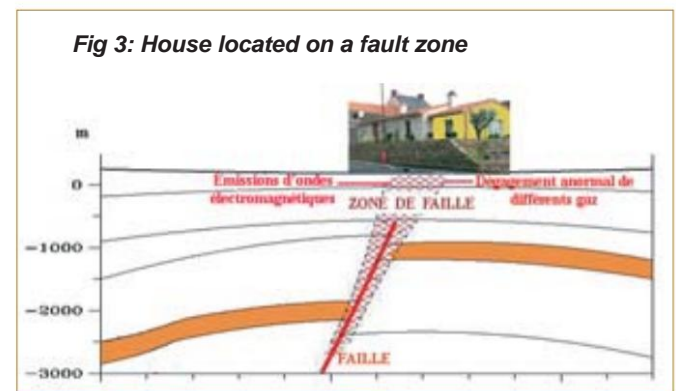
When a building is located on a fault zone (fig 3), it undergoes:

a release of different gases: radon, thoron, CO<sub>2</sub>, CH<sub>4</sub>, H<sub>2</sub>, He, etc. [3] (long-term breathing of radon can cause lung cancer).

emissions of pulsed electromagnetic waves  
low frequency (from a few hertz to several kilohertz).

weak ground movements which can cause small cracks.

These are natural phenomena that have existed since the origin of the Earth. Geochemical, geophysical, and geodetic methods have been developed to measure them, notably by Russian and Ukrainian researchers [4, 5, 6].



### Sustainable development and new pollution of human origin

"Development that strives to meet the needs of the present without compromising the ability of future generations to meet their own needs" is the first definition of sustainable development given by Mrs. **Gro Harlem Brundtland**, Prime Minister of Norway in 1987.

"Modes of production and consumption must respect the human or natural environment and allow all inhabitants of the Earth to satisfy their fundamental needs: to feed themselves, to house themselves, to clothe themselves, to educate themselves, to work, to live in an environment healthy" (site of the Ministry of Ecology, Equipment, Sustainable Development and Regional Planning).

These declarations of principle are fundamental because, in recent decades, especially in industrialized countries, man has considerably increased his impact on the Earth; Anthropogenic pollution of water, air and soil plays an essential role in the degradation of our environment, everyone agrees. We can also see the proliferation of installations linked to electricity: mobile telephony, wind turbines, WiFi, Bluetooth, high voltage lines... all these technologies have improved our daily life, but they can have a negative, invisible and, for the moment, not measurable in the physical environment by changing the energetic properties of the soil; thus, through the ground, beings

living people receive a new form of pollution whose effects have remained little studied until now.

The work of the author and his colleagues in homes and on farms, in France but also in Austria, Romania, Russia, Switzerland, Ukraine has made it possible to note the appearance of hitherto unexplained phenomena.

Indeed, they noted, if a wind turbine or a pylon carrying relay antennas is located at the intersection of fault zones where water circulates, this can cause dangerous disturbances for the health of people or animals located nearby. several kilometers away because they are transported, invisibly, by the telluric network.

Several factors play an important role:

- geology: crossing of faults, circulation of water (extension faults), nature of rocks
- the shape of the pylons (height)
- location of grounding
- the power of the transmitters and the frequencies concerned

The combination of these factors and their evolution (for example an increase in power) influence the importance of disturbances

This form of pollution is spread by faults in the ground. This relatively new phenomenon is linked to the saturation of the soil, the tolerance threshold of which is exceeded; installing and powering up relay antennas or wind turbines in critical points, for example at the intersection of faults, cause a local imbalance in the physical environment, an imbalance which leads to the appearance of nuisances called "*torsion fields*".

The French mathematician **Elie Cartan** assumed, in 1913, the existence of these fields generated by the density of the angular movement of rotation [7]; his ideas were developed, among others, by Russian scientists **Anatolyi Akimov**, **Gennadyi Chipov**, **Vlail Kaznatcheev** [8, 9, 10, 11].

Let's see some concepts about torsion fields:

Torsion fields are created by a spin (angular momentum of quantum particles) or by a shape; they are of two kinds:

Static torsion fields created by the shape of the object (for example, menhir, pylon, mat),

Dynamic torsion fields appearing in the presence of electromagnetic fields and which are also called the torsion component of electromagnetic waves.

There are right or left torsion fields.

To date, we do not know how to quantify torsion fields, which makes their study difficult.

Russian academician **Vlail Kaznatcheev** studied the physical interaction between torsion fields and biological elements (cells, bacteria, etc.) at the Institute of Experimental Clinical Medicine and the World Institute of Cosmic Anthropology (Novosibirsk, Russia) [12]. He noted the negative influence of left torsion fields on cells; conversely, right torsion fields appeared to be favorable to living things.

Practice shows that, for animals, long-term exposure to left torsion fields can cause behavioral disorders: aggression and cannibalism in pigs or poultry, increased leukocytes in milk, mastitis, reproductive problems and other diseases. in cows, unexplained death of animals...

In humans, this exposure can cause poor sleep, inexplicable fatigue, even after apparently good sleep, headaches, premature aging, etc. The body tries to resist this external intervention and its reaction will depend on the initial state of the organism.

We are all different and we do not react in the same way to an external manifestation; in the same place, under the same conditions, one person will not feel anything, the other will be considerably disturbed.

From this subjective component of these phenomena undoubtedly comes, with the absence of measuring devices, the difficulty of taking them into account; Note, however, that certain Russian devices manage to detect these effects (see below "*a beauty salon in Vienna*").

For psychologically fragile people, this can cause behavioral problems: aggression, anxiety, depression. The development of these processes depends on several factors: duration of exposure to left torsion fields, state of the immune system, body reserves, etc.

Let's examine the case of a pylon carrying relay antennas; according to the theory of torsion fields [12], the long cylinder constituted by the pylon creates left torsion fields at the top and bottom (fig 4) even if the electrical equipment is not connected; the intersection of faults where water circulates also creates torsion fields and if the pylon is placed on this intersection, the torsion fields will be amplified.

They will be even more so by the commissioning of relay antennas and the induced electromagnetic waves which pass through the earthing (fig 5).

Extension fault zones with water circulation constitute a channel for the transfer of these torsion fields. Their effects natural harmful effects are amplified by the presence of antennas

relays or wind turbines although this transfer takes place without energy measurable. (fig 6)[4, 5, 6].

Fig 4: Torsion field created by a pylon

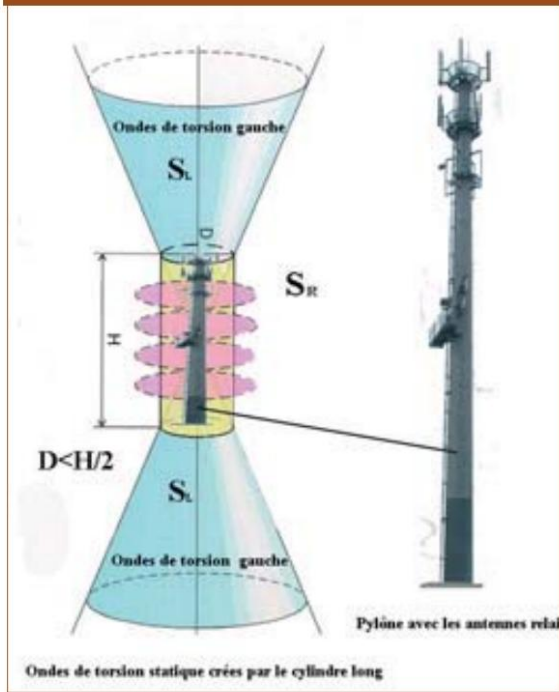


Fig 5: The position of the pylon at the intersection of the fault zones creates left torsion waves

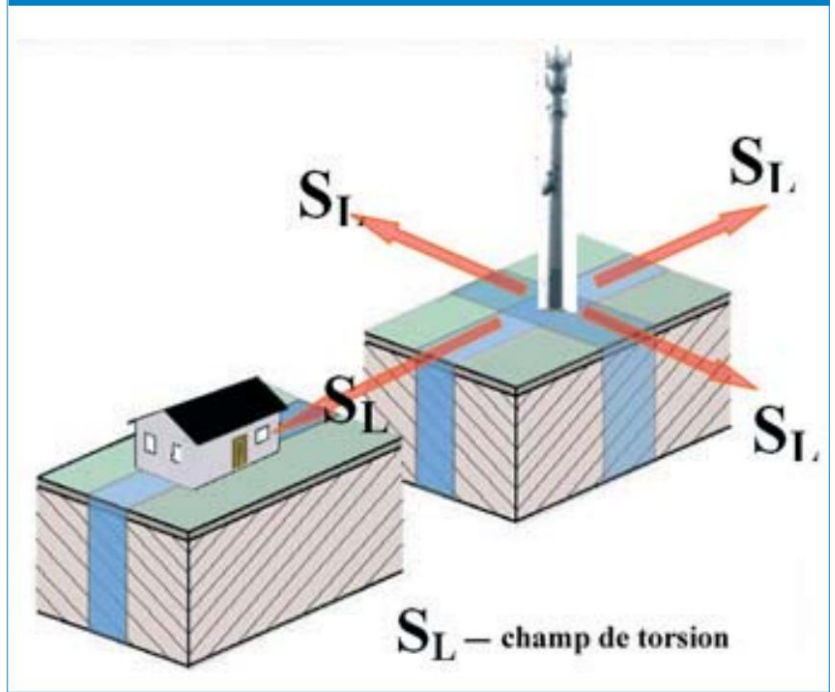
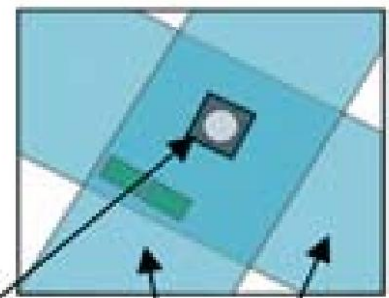


Figure 6  
Position of a wind turbine  
at the crossroads of  
fault zones



Zone de faille

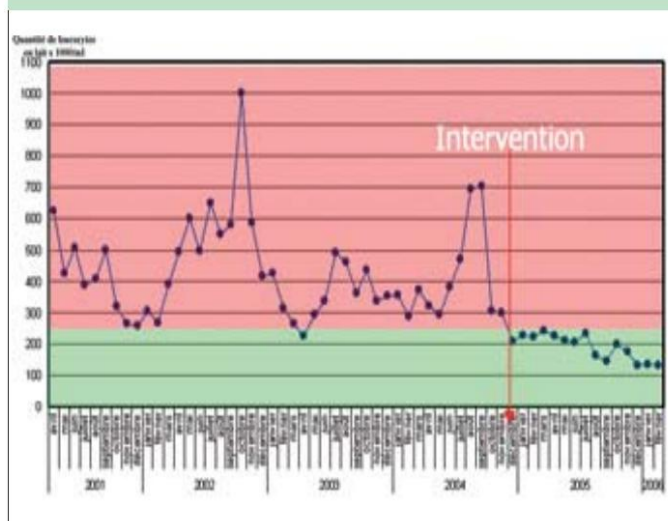
## Examples of impact and treatment of natural and anthropogenic nuisances on living beings

### Five examples of cases studied by the author

#### 1 - Dairy farming in Finistère

This is a farm of 70 dairy cows; for several years (from 2001 to 2004) the breeder worked at a loss due to a level of leukocytes in the milk exceeding the norm (fig7) and sick cows, refusing to enter the milking parlor then being nervous there .

Fig 7: Evolution of the leukocyte level



The breeder had tried several solutions to improve the situation: changing feed, using different antibiotics, replacing the milking system, all without result; assuming genetic problems, the veterinarian had suggested changing part of the herd, but within two weeks all 7 new cows had fallen ill.

The breeder then appealed to the author through the Prosantel association; the expertise showed that the problems of this breeding were linked to the position of the buildings at the intersection of faults (Fig 8) where water circulates, causing nuisance of natural origin; but he also noted that the buildings were surrounded by 9 pylons with relay antennas and that 5 of these 9 pylons were disturbing the cows, the deterioration of the situation having coincided with their installation.

The effects of these relay antennas could be neutralized by protection devices placed near the antennas and on the farm's electrical installations. From this pose, in

September 2004, the cows began to return to the milking parlor without difficulty and no longer encountered health problems: the leukocyte level returned to normal and remained so; six months after the intervention and with the same herd, the farm's milk quota was going to be exceeded and 5 cows had to be sold to respect it. Furthermore, the asthma from which the breeder himself suffered disappeared after the intervention.

Fig 8: Location of the farm buildings at the intersection of fault zones



#### 2 - Dairy cow breeding in the Vosges

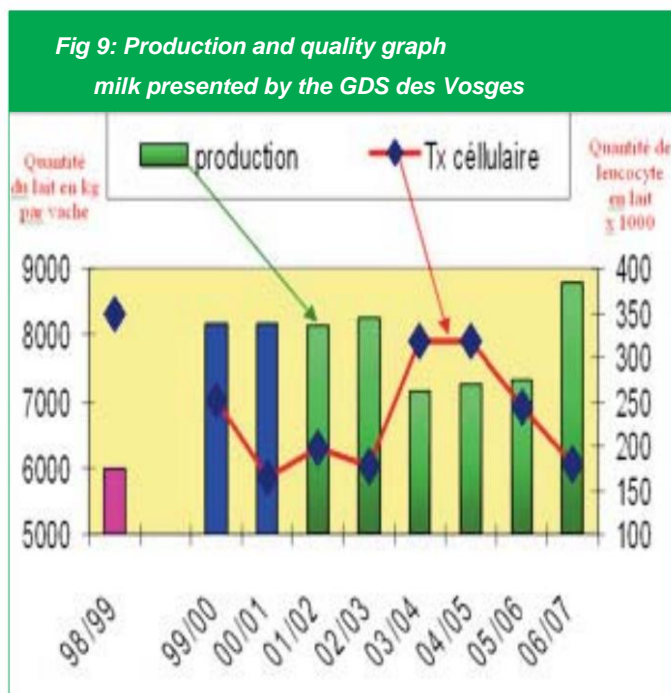
The situation in livestock farming deteriorated from 2002; in 3 years the breeder had lost 76 cows and calves, the leukocyte level had increased, milk production decreased as well as fertility; the calves remained rickety, the cows no longer wanted to enter the milking parlor and were nervous; the slurry gathered in mass in the pit.

No explanation was found in diet, health status or genetics; the situation was catastrophic and veterinarians and breeding organizations did not know what to suggest.

The author's expertise showed that the problems were linked to the position of the building on the same fault as a pylon with antennas located 3.4km away and to a high voltage transformer located next to the farm.

The harmful effects of the pylon, the transformer and certain electrical equipment of the milking installation were neutralized in June 2005 by protection devices. The effect was immediate: the cows returned without difficulty to the milking parlor where they remained calm, the slurry became liquid again after a week, the rate of

leukocytes fell and milk production increased (fig 9); the losses of calves and cows had stopped and the situation returned to normal in the fall.



A bailiff verified the effectiveness of the protection system as part of a judicial expertise [13]. He removed this device from the slurry pit for three weeks.

A week after removal the slurry began to solidify again and after three weeks the top layer was solid again to the point that a battery thrown by the bailiff remained on the surface and the breeder could walk on the manure. The slurry became liquid again one week after the device was reinstalled.

In three weeks of absence of the device, 4 calves had died, 19 cows out of 38 had developed mastitis, 3 no longer gave milk and 3 had lost a quarter.

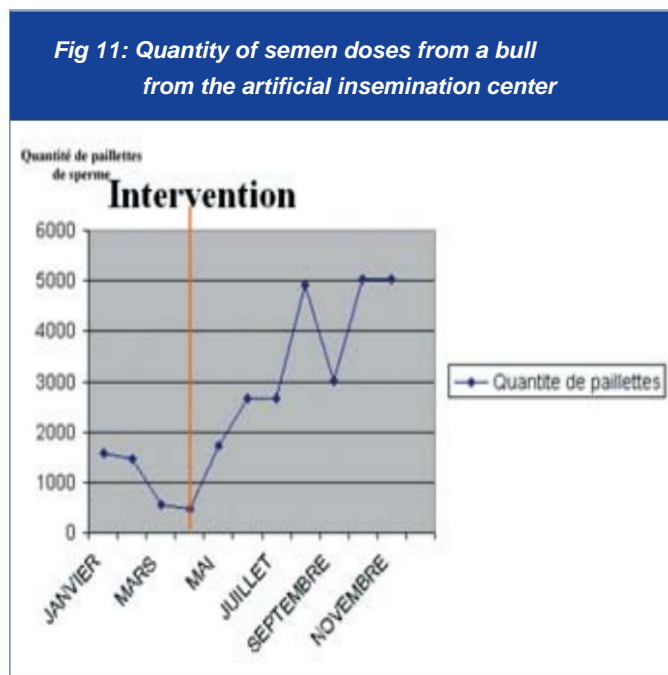
Since then, the author has had to intervene at the request of the General Council of the Vosges and the health defense groups of the Vosges and the neighboring departments of Haute-Marne and Moselle.

### 3 - Artificial insemination center in Brittany,

The expertise carried out following the reduction in the quantity and quality of sperm from the best bull showed that the problem was due to the position of the center building on the same fault as a relay antenna located 10km away, as well as than electric fences.

This work was carried out with the Prosantel association and **Dr.**

**Nawrocki** ; semen was analyzed with the Russian GDV diagnostic device (www.korotkov.org) before and after neutralization of the relay antenna. This neutralization allowed the bull to regain strength and increase the quantity and quality of sperm in four months (fig 11).



### 4 - A beauty salon in Vienna (Austria)

The staff felt tired, a patient undergoing treatment did not see any improvement in her health. Intervening at the request of his doctor, the author noted that the institute building was located on a fault zone, which explained the presence of natural nuisances; in addition, left torsion fields were induced by the network and particularly abundant electrical equipment (relaxation, sauna, etc.).

The installation of protective devices on this equipment has led to an improvement in the health of staff.

Using the Russian AMSAT diagnostic device allowed the doctor to quickly see the improvement in his patient's health; AMSAT Diagnostic System is an IT complex that makes it possible to assess the functional state of the body (www.healthbody.ch).

### 5 - Wind turbine No. 4 and the milking robot

A couple of dairy producers from Finistère encountered serious problems at the beginning of 2008: high leukocyte levels, mastitis, drop in milk production, nervousness and panic of the cows... even the computer and the milking robot were malfunctioning.

As nothing had changed in the management of the herd, the farmers thought that there was a link between these problems and the commissioning of 9 wind turbines nearby.

The intervention of **Jean Uguen** made it possible to identify the person responsible; it was wind turbine No. 4 located on a crossing of faults. The installation of protection helped to remedy the situation.

Since then, the author has been invited by two farmers in Loire-Atlantique to intervene on wind turbines which were disrupting their livestock, the installer of the wind turbines being ready to collaborate.

## Conclusion

Human installations have an impact on the physical environment; they locally change the properties of the soil and, through it, have effects on humans and animals.

Relay antennas, wind turbines, possibly other electrical installations (transformers, pylons, motors, etc.), can present a danger to the health of

living beings several kilometers away if they are at the intersection of fault zones used for water circulation. The fault constitutes the path of transmission of these "geotechnopathogenic" nuisances.

Long-term exposure to these nuisances can cause bodily dysfunctions and behavioral problems or illnesses in humans and animals.

The geomorphological study based on geological and topographical maps makes it possible to identify whether electrical installations and the place where the nuisances occur are located on the same fault zone.

Installing protections (resin or ceramic pellets containing extracts of tropical plants from Brazil and rocks from Russia) on electrical installations generally makes it possible to correct nuisances.

However, we must remain vigilant because changes in the environment, in particular the increase in power of installations, can recreate nuisances; further intervention may then be necessary.

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