

Manifest Europeu de suport a una Iniciativa Ciutadana Europea (ICE)



Per una regulació de l'exposició als camps electromagnètics (CEM) que protegeixi realment la salut pública.

1. APLICACIÓ DEL PRINCIPÍ DE PRECAUCIÓ I DELS PRINCIPIS ALARA (AS LOW AS REASONABLY ACHIEVABLE) I ALATA (AS LOW AS TECHNICALLY) EN L'EXPOSICIÓ (INMISIÓN) ALS CAMPS ELECTROMAGNÈTICS (CEM), en la línia recomanada per l'Agència Europea de Medi ambient ⁽¹⁾ i l'Assemblea Parlamentària del Consell d'Europa -APCE- en els punts 5, 8.1.2 i 8.4.3 de la Resolució 1815 de 2011 ⁽²⁾, i la seva actualització constant sobre la base dels coneixements més actuals sobre els efectes biològics [i del punt 8.1.4 del Dictamen sobre hipersensibilitat electromagnètica de la Secció Especialitzada TEN del Comitè Econòmic i Social Europeu (CESE) del 7 de gener de 2015 ⁽³⁾]

2. REVISIÓ I MINIMIZACIÓ DELS LÍMITS D'EXPOSICIÓ (INMISIÓN) ⁽⁴⁾ ALS CEM, AMB LA CORRESPONENT MONITORITZACIÓ DEL SEU COMPLIMENT, sobre la base del coneixement dels efectes biològics (tèrmics i no tèrmics) i els efectes adversos per a la salut, tal com ho sol·liciten els punts 8.1.1 i 8.1.2 de la Resolució APCE 1815 i les distintes declaracions de l'Agència Europea de Medi ambient, sobre la base de l'Informe BioInitiative ⁽⁵⁾ i a la monografia ICEMS del 2010 sobre els efectes no tèrmics dels camps electromagnètics ⁽⁶⁾, i les Resolucions de la ICEMS des de 2002. ⁽⁷⁾

2.1 ELS CAMPS ELECTROMAGNÈTICS DE RADIOFREQUÈNCIA (CEM-RF)

– **Començar** amb el límit d'exposició màxima per a la suma d'exposicions dels CEM de RF, sobre la base dels efectes biològics i efectes adversos recollits en l'Informe BioInitiative 2007, revisió de més de 2.000 estudis:

En interiors, recomanat en el punt 8.2.1 de la Resolució APCE 1815 de 2011:		
0.01 $\mu\text{W}/\text{cm}^2$	0.1 mil·liwatts/m²	\cong 0.2 V/m
I el seu equivalent en exteriors:		
0.1 $\mu\text{W}/\text{cm}^2$	1 mil·liwatts/m²	\cong 0.6 V/m

– **Control global en temps real del compliment del valor límit d'exposició a través de zones de monitorització continua amb la informació pública en temps real a través d'Internet** contemplada en algunes normatives ⁽⁸⁾, en la línia del punt 8.4.3 de la Resolució 1815 de la APCE, el punt 9 de la Resolució del Parlament Europeu P6_TA(2009)0216 ⁽⁹⁾ i l'article 5 del Conveni de Aarhus. ⁽¹⁰⁾

2.2 ELS CAMPS ELECTROMAGNÈTICS DE FREQUÈNCIA EXTREMADAMENT BAIXA (CEM-FEB / ELF-EMF):

- 1 mG -mil·ligauss- (0.1 μT -microtesla-) en espais habitables com límit d'exposició màxim als CEM de FEB / ELF-EMF de la xarxa elèctrica (línies d'alta tensió, subestacions, transformadores, ...), que es garanteix amb una planificació urbana d'una distància de seguretat de les zones habitades d'1 m per cada quilovolt de tensió nominal ja contemplada en algunes normatives ⁽¹¹⁾, en la línia recomanada pels punts 8.4.1 i 8.4.2 de la Resolució APCE 1815, i els punts 8 i 26 de la Resolució del Parlament Europeu P6_TA(2009)0216 ("per a reduir al màxim l'exposició dels residents en el cas d'extensió d'una xarxa de línies elèctriques d'alta tensió"), sobre la base de la bibliografia científica avalada per la AEMA per a la APCE en 2011 i la recomanació del Panell científic de Seletun 2009 ⁽¹²⁾. Aquest límit d'exposició s'ha de considerar com un acord de mínims davant la notificació dels efectes biològics en límits menors a 1 mG.

2.3 REVISIÓ/ACTUALITZACIÓ PROGRESSIVA DE DITS LÍMITS sobre la base dels estudis i publicacions científiques més actuals sobre els efectes biològics com els ja recollits en l'actualització del 2012 de l'Informe BioInitiative, revisió de més d'1.800 nous estudis, i plantejats en la Resolució de Potenza Picena del 2013 ⁽¹³⁾, i en els futurs estudis.

3. INFORMACIÓ I EDUCACIÓ:

- **Campanyes d'Informació per sensibilitzar a l'opinió pública, amb participació de les organitzacions de persones afectades (aplicant el Conveni de Aarhus), ensenyant a conèixer i minimitzar els riscos potencials de l'exposició als CEM d'acord amb les resolucions del Parlament europeu de 2008 i 2009, del punt 8.2.4 de la Resolució APCE 1815 [i del punt 8.2.7 del Dictamen sobre hipersensibilitat electromagnètica de la Secció Especialitzada TEN del CESE del 7 de gener de 2015], tal com recomanen diverses agències sanitàries europees, associacions professionals i científiques ⁽¹⁴⁾.** Informació que prevalgui la connexió per cable sobre la connexió sense fil. Ensenyar a reconèixer i a minimitzar el risc de l'ús del telèfon mòbil i altres dispositius sense fil (disminuir el temps d'ús, augmentar la distància entre el dispositiu emissor i el cap i el cos en general, evitar moments de màxima exposició, prevaler el telèfon fix amb cable per a les trucades de llarga durada,...), especialment en població amb major risc ⁽¹⁵⁾, i de l'ús de dispositius sense fil amb accés a xarxes de dades ⁽¹⁶⁾. Aquestes campanyes de sensibilització també han d'incloure els riscos per a la salut associats (i com minimitzar-los) dels aparells electrodomèstics, en la línia proposada pel punt 18 de la Resolució del Parlament europeu P6_TA(2009)0216, incloses les bombetes CFL

Informar d'efectes descrits en la bibliografia mèdica a l'exposició activa o passiva (com en el cas del tabac) als CEM a curt-mig termini [cefalea, insomni, ansietat; alteració de la cognició, la memòria i aprenentatge, el comportament, el temps de reacció, l'atenció i concentració, l'activitat cerebral (electroencefalograma -EEG- alterat), ...] **i a llarg termini** [EHS, fatiga crònica, problemes de fertilitat; malalties vasculares, degeneratives i oncològiques ⁽¹⁷⁾, ...].

- **Centres d'ensenyament com a zones saludables Lliures de CEM ("Zones Blanques"), de la mateixa manera que els "espais sense fum del tabac":**

Protecció i educació infantil i juvenil en la seva categoria de grups sensibles (major risc) en període de formació (moment crucial per a l'adquisició d'hàbits), **en un mig d'ensenyament amb connexió a Internet per cable** (sense Wi-Fi, ni altres dispositius sense fil), en la línia recomanada pel punt 8.3.2 de la Resolució APCE 1815 [i del punt 8.2.3 del Dictamen sobre hipersensibilitat electromagnètica de la Secció Especialitzada TEN del CESE del 7 de gener de 2015, **aplicant-se ja parcialment en diferents països de la UE** ⁽¹⁸⁾].

Educació per a la salut als agents implicats en l'àmbit educatiu sobre els riscos de la radiació dels dispositius sense fil davant la major vulnerabilitat infantil i juvenil a l'exposició als CEM i a la pressió de grup i publicitària (conductes additives), exhortant a postergar l'inici del seu ús en la població infantil i juvenil. **Instaurar i potenciar programes específics d'educació ambiental i per a la salut sobre els riscos dels CEM.** En la línia recomanada pel punt 8.3.1 de la Resolució APCE 1815, el punt 17 de la Resolució del Parlament Europeu P6_TA(2009)0216 i nombroses agències sanitàries, associacions professionals i científiques, atenent a la participació dels agents implicats com contempla el Conveni de Aarhus.

4. RECONeixEMENT DE LA EHS, PROTECCIÓ DE LES PERSONES EHS I ZONES DE PROTECCIÓ DELS CEM

- **Reconeixement oficial de l'existència d'aquesta síndrome de "electro-hipersensibilitat" com una malaltia ambiental i -com a Suècia ⁽¹⁹⁾- com una Discapacitat Funcional** (desajustaments funcionals i les seves discapacitats resultants), que inclogui tant l'adaptació de les condicions de treball com la incapacitat laboral. En la línia del punt 8.1.4 de la Resolució APCE 1815 i el punt 28 de la Resolució

del Parlament Europeu P6_TA(2009)0216 [i sol·licitat en el punt 1.5 del Dictamen sobre hipersensibilitat electromagnètica de la Secció TEN del CESE del 7 de gener de 2015].

- **Creació de protocols sanitaris de detecció i actuació**, ja realitzats per institucions com el Col·legi de Metges d'Àustria (2012) [i l'Acadèmia Europea de medicina Ambiental (2016) ⁽²⁰⁾]. Sensibilitzar als professionals de la salut en l'existència d'aquesta síndrome i fomentar la formació en malalties ambientals.

- Els **llocs públics** com **ZONES BLANQUES LLIURES DELS CEM**: centres d'ensenyament i escoles infantils, hospitals i centres de salut en general, els edificis governamentals i uns altres (tals com oficines de correus, biblioteques, etc.) d'atenció al públic, centres comunitaris i residències d'ancians, transport públic, grans magatzems,...; [com aconsellen els punts 4.1 i 8.5 del Dictamen sobre hipersensibilitat electromagnètica de la secció TEN del CESE del 7 de gener de 2015], en compliment dels principis generals [de la Carta dels Drets Fonamentals de la UE ⁽²¹⁾ i] de la "Convenció Internacional sobre els Drets de les Persones amb Discapacitat" de no discriminació, participació i inclusió plenes i efectives en la societat, igualtat d'oportunitats, accessibilitat ... ⁽²²⁾.

- **Garantir un habitatge habitable** per a les persones EHS: **creació de ZONES BLANQUES** en pobles i ciutats, **com mesura d'urgència per a les persones en major risc** [com aconsellen el punt 8.1.1 del Dictamen sobre hipersensibilitat electromagnètica de la secció TEN del CESE del 7 de gener de 2015], i la concessió d'ajudes estatals per a protegir les seves llars. Tot això en la línia del punt 8.1.4 de la Resolució APCE 1815 i en compliment dels articles 19 i 28 de la "Convenció internacional sobre els drets de les persones amb discapacitat" .

5. MESURES DIRIGIDES A LA INDÚSTRIA I A L'ADMINISTRACIÓ:

- **Participació pública en el procés d'implantació i seguiment de les estacions basi de telefonia mòbil i les línies i terminals d'alta tensió**, en la línia recomanada pel punt 8 de la Resolució del Parlament europeu P6_TA(2009)0216, el 8.4.4 de la Resolució APCE 1815 i l'article 6 del Conveni de Aarhus.

- **Regulació de l'oferta publicitària de dispositius emissors de microones**. Prohibició de la publicitat a favor del seu ús excessiu i prohibició de la publicitat específica infantil i juvenil de dispositius sense fil (major vulnerabilitat), denunciades en el punt 23 de la Resolució del Parlament Europeu P6_TA(2009)0216 [i el punt 8.2.3 del Dictamen sobre hipersensibilitat electromagnètica de la secció TEN del CESE del 7 de gener de 2015, i en la legislació d'alguns estats membres de la UE 23 ⁽²³⁾]. Aquesta regulació segueix els passos de la Directiva europea sobre la publicitat del tabac del 2003. ⁽²⁴⁾

- **Etiquetatge obligatori dels dispositius sense fil**, en la línia recomanada pel punt 8.2.3 de la Resolució 1815 de la APCE [i el punt 8.2.1 del Dictamen sobre hipersensibilitat electromagnètica de la secció TEN del CESE del 7 de gener de 2015], i seguint els passos de les mesures d'etiquetatge aplicades per la directiva europea de 2001 sobre productes del tabac ⁽²⁵⁾. Imprimir l'alerta de potencialment «nociu per a la salut» al costat de la classificació com cancerigen de la categoria 2b per la IARC de l'OMS (16) amb la divulgació dels riscos potencials per a la salut relacionats amb el seu ús i els consells per a minimitzar dits riscos. Assenyalar en els embalatges dels telèfons mòbils i en els seus punts de venda la "Taxa d'Absorció Específica" (TAS/DAS/SAR). ⁽²⁶⁾

- **Retirada del mercat de telèfons i dispositius sense fil específics per a la població infantil** [ja contemplat en la legislació d'alguns estats membres de la UE ⁽²³⁾], **per estar en contradicció amb els punts 8.1.1 i 8.3 de la Resolució 1815 de la APCE, i la retirada dels dispositius DECT ordinaris** [com el **telèfon fix sense fil** i el **monitor de bebè** ⁽²⁷⁾]-reemplaçar per dispositius amb cable o per dispositius tipus DECT ZERO [radiació zero en standby] en les maneres "Eco Plus" i "Full Eco" [que inclou la funció "VOX" (activació automàtica per veu) en el cas del **monitor de bebè**] -, en la línia del punt 8.1.5 de la Resolució 1815 de la APCE de potenciar "tecnologies que sent també eficaces tinguin efectes menys nocius [o sense nocivitat] sobre l'ambient i la salut".

- **Instauració de dispositius d'avís de la conversa després de 3 minuts**, com prevenció de l'incrementació de tumors cerebrals, com va recomanar el Comitè Nacional Rus de Protecció contra la Radiació No Ionitzant ⁽²⁸⁾, en la línia enunciativa en el punt 8.1.1 de la Resolució 1815 de la APCE. Veure nota i classificació de la IARC/OMS (2011) [i les conclusions d'estudis posteriors (2014/2016)] ⁽¹⁷⁾.
- **Normes sanitàries de convivència** que dissuadeixin de parlar pel mòbil a prop de dones embarassades, nens i nenes i de qualsevol persona que exigeixi el seu dret de no convertir-se en usuari passiu, en compliment de la Convenció Internacional sobre els Drets de les Persones amb Discapacitat i en la mateixa línia que les normes de protecció dels fumadors passius del fum del tabac (especialment en la infància i maternitat) contemplades en el Conveni Marco de l'OMS per al Control del Tabac de 2003. ⁽²⁹⁾
- **Retirada del mercat, de les incubadores amb motors que exposen en els nounats als CEM-FEB (ELF-EMF)**, potenciant el disseny de incubadores amb el motor allunyat del bebè o que utilitzin xapes absorbents adients que protegeixin el seu cos (com les de Mu-metall ⁽³⁰⁾), en la línia del punt 8.1.5 de la Resolució 1815 de la APCE de potenciar tecnologies que sent també eficaces tinguin efectes menys nocius sobre l'ambient i la salut.
- **Moratòria en l'aplicació i implantació dels "computadors intel·ligents"** [possibilitant que les persones que ho sol·licitin els puguin retirar com a Quebec] ⁽³¹⁾, i **de la xarxa 4 G** [o altres xarxes com la 5G mentre, d'entrada, no es garanteixin els límits proteccionistes de consens indicats en el punt 2 d'aquest manifest], en la línia enunciativa en els punts 8.1.1 (prendre totes les mesures raonables per a reduir l'exposició) i 8.1.5 (potenciar tecnologies que sent també eficaces tinguin efectes menys nocius sobre l'ambient i la salut -o no els tinguin-) de la Resolució 1815 de la APCE.
- **Cobertura obligatòria de segur de responsabilitat civil, inclosos els danys a la salut, per a la Indústria de la telefonia mòbil i altres dispositius sense fil**, l'absència dels quals és evidenciada en el punt 26 de la Resolució del Parlament Europeu P6_TA(2009)0216 [i reclamada en el punt 8.2.2 del Dictamen sobre hipersensibilitat electromagnètica de la Secció TEN del CESE del 7 de gener de 2015].
- **Afavorir els estudis i investigacions independents** en la línia recomanada [pel punt 1.3 del Dictamen COM(2011) 348 final — 2011/0152(COD) del Comitè Econòmic i Social Europeu ⁽³²⁾] i pels punts 8.5.4-8.5.7 de la Resolució 1815 de la APCE: augmentar el finançament públic, comissions independents per a l'assignació de fons públics, obligatorietat de la transparència en els grups de pressió, incompatibilitat de la participació i del finançament de fundacions recolzades pels sectors de telecomunicacions i energètics en organismes públics ⁽³³⁾ amb l'obligació d'informar la font de finançament dels estudis utilitzats en les avaluacions de riscos de dits organismes.
- **Garantir la transparència, la imparcialitat i la pluralitat de les avaluacions dels experts ⁽³³⁾ sobre els riscos sanitaris dels camps electromagnètics no ionitzants (CEM)**, en la línia [del punt 1.4 del Dictamen COM(2011) 348 final — 2011/0152(COD) del Comitè Econòmic i Social Europeu] i dels punts 8.5.7 i 8.5.8 de la Resolució 1815 de la APCE, en tots els nivells de decisió incloent el nomenament dels experts, la presentació de les interpretacions científiques alternatives, la inclusió dels "punts de vista" de la ciutadania amb la presència dels grups rellevants en aquest àmbit en aplicació del Conveni de Aarhus, ...
- **Reemplaçar les xarxes sense fil per connexions per cable on sigui possible**. Implantació d'una xarxa europea de cable coaxial / fibra òptica, en la línia enunciativa en els punts 8.1.1 (prendre totes les mesures raonables per a reduir l'exposició) i 8.1.5 (potenciar tecnologies que sent també eficaces tinguin efectes menys nocius sobre l'ambient i la salut -o no els tinguin-) de la Resolució 1815 de la APCE.
- **Promoció de tecnologies i tècniques de futur bio-compatible i sostenible des del punt de vista ambiental i de la salut humana ⁽³⁴⁾**, en la línia del punt 8.1.5 de la Resolució 1815 de la APCE i el punt 7 de la Resolució del Parlament Europeu P6_TA(2009)0216.

Entre claudàtors []: la informació complementària actualitzada a juliol de 2016

See the [List of signatories](#) [last updated June 2016]

NOTES [last updated July 2016]:

1.- See communications from the **European Environment Agency** (EEA) in support the Bioinitiative Report, among others, as basis for our early warning on EMF.

- In 2007, the EEA advisory entitled "Radiation risk from everyday devices assessed" [<http://www.eea.europa.eu/highlights/radiation-risk-from-everyday-devices-assessed>].

- In 2008-2009, in the **Committee on the environment, public health and food safety of the European Parliament**.

- In 2009, in the **International Expert Conference on Cell Phones and Health: Science and Public Policy Questions**, Washington, on 15 September 2009. See "Statement on Mobile Phones" [<https://ecfsapi.fcc.gov/file/7022311538.pdf>, http://www.emrpolicy.org/files/15sep09_mcglade_statement.pdf].

- In 2011:

In the **Council of Europe Hearing on EMF**, Paris, on 25th February 2011. See "Statement on Mobile Phones and the Potential Head cancer risk" [<http://www.icems.eu/docs/StatementbyJMGFeb252011.pdf?f=c/a/2009/12/15/MNHJ1B49KH.DTL>].

In the Committee on the environment, agriculture and local and regional affairs of PACE. See document 12608 - section B, point 4.21 – [<http://assembly.coe.int/nw/xml/XRef/Xref-XML2HTML-en.asp?fileid=13137&lang=en>].

- In 2013: The EEA publishes 'Late Lessons from Early Warnings, volume II'. See the Chapter 21 "Mobile phone use and brain tumour risk: early warnings, early actions?" [<http://www.eea.europa.eu/publications/late-lessons-2/late-lessons-chapters/late-lessons-ii-chapter-21/view>].

2.- **Resolution 1815 of the Parliamentary Assembly of the Council of Europe** (PACE) on potential hazards of electromagnetic fields and their effects on the environment (27.05.2011): <http://assembly.coe.int/nw/xml/XRef/Xref-XML2HTML-en.asp?fileid=17994&>. See Doc. 12608, 06 May 2011, report of the Committee on the Environment, Agriculture and Local and Regional Affairs, rapporteur: Mr Huss [<http://assembly.coe.int/nw/xml/XRef/Xref-XML2HTML-en.asp?fileid=13137&lang=en>].

3.- Opinion of the Section for Transport, Energy, Infrastructure and the Information Society (TEN) of the European Economic and Social Committee (EESC) on Electromagnetic hypersensitivity on 7 January, 2015 [<https://webapi.eesc.europa.eu/documentsanonymous/eesc-2014-05117-00-02-as-tra-en.doc>].

4.- **The limits set by the ICNIRP are INSUFFICIENT and IRRELEVANT**: never have protected the biological effects and chronic exposure to long-term (only have been based on the thermal effects of short term exposure -6 minutes exposure-: <http://www.icnirp.org/cms/upload/publications/ICNIRPmfgdl.pdf>), along the lines set in paragraphs 21, 22 and 23 of the European Parliament Resolution of September 2008 on Mid Term Review of Environment and Health Action Plan (2004-2010) (<http://www.europarl.europa.eu/sides/getDoc.do?pubRef=-//EP//TEXT+TA+P6-TA-2008-0410+0+DOC+XML+V0//EN>), and item 8.1.2 of the PACE Resolution 1815 (<http://assembly.coe.int/nw/xml/XRef/Xref-XML2HTML-en.asp?fileid=17994&>). Currently there are countries inside and outside the European Union with more protectionist regulations, in one way or another, that the ICNIRP criterion (see: http://ec.europa.eu/health/electromagnetic_fields/docs/emf_comparison_policies_en.pdf, <http://nebula.wsimg.com/fbed8bb8a26c6f14262cff2e8fd4dcb7?AccessKeyId=045114F8E0676B9465FB&disposition=0&alloworigin=1>).

5.- **Bioinitiative Report 2007/2012/2014**. August 2007 Edition: review of over 2,000 studies. Update December 2012: a review of more than 1,800 new studies. Update April 2014: a review of more than 400 new studies.

- BioInitiative Working Group, David O. Carpenter. New Studies Show Health Risks from Wireless Tech: Warnings from the BioInitiative Working Group at www.bioinitiative.org. University at Albany, Rensselaer, New York /April 16, 2014 [<http://www.bioinitiative.org/new-studies-show-health-risks-from-wireless-tech/>].

- BioInitiative Working Group, Cindy Sage and David O. Carpenter, Editors. BioInitiative Report: A Rationale for Biologically based Public Exposure Standards for Electromagnetic Radiation at www.bioinitiative.org, December 31, 2012.

- BioInitiative Working Group, Cindy Sage and David O. Carpenter, Editors. BioInitiative Report: A Rationale for Biologically based Public Exposure Standard for Electromagnetic Fields (ELF and RF) at www.bioinitiative.org, August 31, 2007.

6.- **The ICEMS Monograph**, "Non-Thermal Effects and Mechanisms of Interaction Between Electromagnetic Fields and Living Matter", edited by Livio Giuliani and Morando Soffritti for the "European Journal of Oncology" - Library Vol. 5 of the National Institute for the Study and Control of Cancer and Environmental Diseases "Bernardo Ramazzini", Bologna, Italy, 2010, Part I and Part II [<http://www.icems.eu/papers.htm>, http://www.icems.eu/papers/ramazzini_library5_part1.pdf, http://www.icems.eu/papers/ramazzini_library5_part2.pdf].

7.- The International Commission for ElectroMagnetic Safety (ICEMS) is founded for the purpose of promoting research to protect public health from electromagnetic fields and to develop the scientific basis and strategies for assessment, prevention, management and communication of risk, based on the precautionary principle. See: www.icems.eu/.

8.- **Real-time monitoring** detects the instantaneous peak values (based on the existence of non-thermal effects), unlike the means (based only on the thermal effects). In Spain, a Municipal Ordinance of Leganés on the siting, installation and functioning of the equipment's of telecommunications services on January 2011 (https://www.bocm.es/boletin/CM_Orden_BOCM/2011/01/18/BOCM-

[20110118-39.PDF](#)). It foresaw decrease **4,000 times** the allowable limit in Spain (Article 3b - now repealed -) and deployment of a system of real-time control of the EMF immissions, to ensure compliance with this limit and informing the public (Article 19, paragraph 4, now repealed-). The continuous monitoring system initially provided for in this legislation focused on the actual exposure of the population (sum of emissions from various wireless transmitters) in the different parts of the town. See "Monitoring maximum peak power density values as a more reliable marker for measurement procedures to elucidate RF EMF health effects: Leganes project", C. Maestú, A. Cortés, N. Jiménez, R. López, F. del Pozo. Centro de Tecnología Biomédica, Universidad Politécnica de Madrid (Biomedical Technology Center, Technical University of Madrid). Poster presented to the 33rd Annual Meeting of the Bioelectromagnetics Society 2011, Halifax, Canada, 12-17 June 2011 ([http://oa.upm.es/13170/1/INVE MEM 2011_109836.pdf](http://oa.upm.es/13170/1/INVE_MEM_2011_109836.pdf)).

9.- The **European Parliament resolution of 2 April 2009** on health concerns associated with electromagnetic fields (P6_TA(2009)0216 [<http://www.europarl.europa.eu/sides/getDoc.do?pubRef=-//EP//TEXT+TA+P6-TA-2009-0216+0+DOC+XML+V0//EN>]).

10.- **Aarhus Convention**, of the Economic Commission for Europe United Nations, on access to Information, public participation in decision-making and access to justice in environmental matters. The Council Decision 2005/370/EC of 17 February 2005 (<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex:32005D0370>) approves the Århus Convention (signed by the European Community and its Member States in 1998: <http://www.unece.org/env/pp/treatytext.html>) on behalf of the Community.

11.- See Article 52 of the General Municipal Management Plan of the Jumilla Council (Spain) on 18 March 2005: <http://www.borm.es/borm/documento?obj=bol&id=11833> (page 17 [6773]).

12.- **The Seletun Scientific Panel 2009**, on electromagnetic fields health risks: consensus points, recommendations and rationales [<http://emfsafetynetwork.org/wp-content/uploads/2011/02/Scientific-panel-on-EMF-Health-Risks.pdf>]. Watch the following video "Olle Johansson, PhD Announcing Seletun Scientific Statement": <https://vimeo.com/18018440>

13.- **The Potenza Picena Resolution 2013**.
<https://www.dropbox.com/s/koiij5i6al3uy72/POTENZA%20PICENA%20SCIENTIFIC%20RESOLUTION%202013.pdf>

14.- In line with the **numerous recommendations** against immoderate use of mobile phone and / or protection of wireless technologies in children and young people, from the public **administrations (in particular the health administrations)** and / or the **health professional associations** (in states such as Austria ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#)), Australia ([1](#)), Belgium ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#)), Canada ([1](#), [2](#), [3](#), [4](#), [5](#)), Cyprus ([1](#)), Finland ([1](#)), France ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#), [11](#)), Germany ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#), [11](#), [12](#), [13](#), [14](#)), India ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#)), Ireland ([1](#)), Israel ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#), [11](#), [12](#)), Italy ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#), [11](#)), Poland ([1](#), [2](#), [3](#), [4](#)), Russia [where, for example, the health standard SanPiN-2003 (2.1.8/2.2.4.1190-03, item 6.9) recommended to restrict mobile phone use in children the age of 18 years] ([1](#), [2](#), [3](#), [4](#), [5](#)), Spain ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#), [11](#), [12](#), [13](#), [14](#), [15](#)), Switzerland ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#)), Taiwan ([1](#)), United Kingdom ([1](#), [2](#), [3](#)), USA ([1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#), [11](#), [12](#)), Taiwan ([1](#)), as well as at the **European** (eg. the **European Environment Agency**) and **international level** (e.g. the International Commission for Electromagnetic Safety, **ICEMS**), and the **numerous scientific declarations** (e.g. the **International Scientists Appeal to U.N. to Protect Humans and Wildlife from Electromagnetic Fields and Wireless Technology, 2015: Over 220 Scientists from 41 nations engaged in the study of biological and health effects of non-ionizing electromagnetic fields – EMF-**: <https://www.emfscientist.org/>).

See:

- "Governments and Health Authorities are Taking Action and Doctors and Scientists Appeal for Stricter Wireless Technology Regulations, Environmental Health Trust, latest online-updating of 2016 [<http://ehtrust.org/policy/international-policy-actions-on-wireless/>].

- Redmayne M. **International policy and advisory response regarding children's exposure to radio frequency electromagnetic fields (RF-EMF)**. Electromagnetic Biology and Medicine. 2015 Jun 19:1-9 [<http://nebula.wsimg.com/fbed8bb8a26c6f14262cff2e8fd4dcb7?AccessKeyId=045114F8E0676B9465FB&disposition=0&alloworigin=1>].

- Oberfeld, G. (2012), Section 22. **Precaution in Action - Global Public Health Advice Following BioInitiative 2007**, 50pp. BioInitiative Working Group, October 2012 [http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec22_2012_Precaution_in_Action_Global_advice.pdf].

- Safe School 2012. **Medical and Scientific Experts Call for Safe Technologies in Schools**: <http://wifiinschools.org.uk/resources/safeschools2012.pdf>. Also see a list of schools and organizations that have taken action regarding wireless technology (2014) [http://wifiinschools.com/uploads/3/0/4/2/3042232/schools_and_organizations_wifi.pdf].

15.- Fetus, pregnant women, children and youth, holders of electronic implants, ...

16.- "Continuous connection = **continuous radiation**."

17.- **The WHO/International Agency for Research on Cancer (IARC)** has classified radiofrequency electromagnetic fields as possibly carcinogenic to humans (Group 2B), based on an increased risk for glioma, a malignant type of brain cancer, associated with wireless phone use" (IARC press release N° 208, 31 May 2011: http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf). See IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 102 (2013), Non-Ionizing Radiation, Part 2: Radiofrequency Electromagnetic Fields [<http://monographs.iarc.fr/ENG/Monographs/vol102/index.php>].

- On October 2012, a **judgment of the Italian Supreme Court recognizes the causal link between prolonged use of mobile and cordless phone in the left ear for employment purposes** (5-6 hours a day, for twelve years) **and the appearance of a brain tumour ipsilateral**, for employment reasons. The Court recognizes, in this case, a disability of 80% caused by occupational disease [<http://www.dailymail.co.uk/news/article-2220002/Mobile-phones-CAN-cause-brain-tumours-court-rules-landmark-case.html>].

- The **BioInitiative Report (Update April 2014) concerning**, among other things, **the sufficient evidence of carcinogenicity in humans**: «New studies intensify medical concerns about malignant brain tumors from cell phone use. "There is a consistent pattern of increased risk for glioma (a malignant brain tumor) and acoustic neuroma with use of mobile and cordless phones", says Lennart Hardell, MD, PhD at Orebro University, Sweden, according to studies released in 2012 and 2013. "Epidemiological evidence shows that radiofrequency should be classified as a known human carcinogen. The existing FCC/IEEE and ICNIRP public safety limits are not adequate to protect

public health.”... ». **New Studies Show Health Risks from Wireless Tech: Warnings from the BioInitiative Working Group** / University at Albany, Rensselaer, New York /April 16, 2014 [<http://www.bioinitiative.org/new-studies-show-health-risks-from-wireless-tech/>].

- The **BioInitiative Working Group note (Mai 2016) on the Cell Phone Radiation Study made by US NTP confirming the Cancer Risk:** «The **National Toxicology Program under the [U.S.] National Institutes of Health** has completed the largest-ever animal study on cell phone radiation and cancer [see the report of Partial Findings in <http://biorxiv.org/content/biorxiv/early/2016/05/26/055699.full.pdf> and further information about this study in <http://ehtrust.org/cell-phone-radiofrequency-radiation-study/>]. The results confirm that cell phone radiation exposure levels within the currently allowable safety limits are the 'likely cause' of brain and heart cancers in these animals, according to Dr. John Bucher, Associate Director of the NTP ... ». In this line, «Lennart Hardell, ... says "(T)he animal study confirms our findings in epidemiological studies of an increased risk for glioma and acoustic neuroma among people that use wireless phones, both cell phones and cordless phones (DECT). Acoustic neuroma is a type of Schwannoma, so interestingly this study confirms findings in humans of increased risk for glioma and acoustic neuroma. In 2013, we called for upgrading the risk in humans to Group 1, the agent is carcinogenic to humans. It is now time to re-evaluate both the cancer risk and other potential health effects in humans from radiofrequency radiation and also inform the public... **This NTP evidence is greatly strengthening the evidence of risk, is sufficient to reclassify cell phone radiation as a known cancer-causing agent, and confirms the inadequacy of existing public safety limits**" ...». **Cell Phone Radiation Study Confirms Cancer Risk** / Orebro University, Sweden May 31, 2016 [<http://www.bioinitiative.org/cell-phone-radiation-study-confirms-cancer-risk/>].

18.- As it is already established in France, at the legislative level, and in the Spanish state, municipal level in L'Hospitalet de Llobregat (Catalonia):

- The French law No. 2015-136 of 9 February 2015 "on sobriety, transparency, information and consultation for exposure to electromagnetic waves" [<https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000030212642&categorieLien=id>], which includes, among others, the following measures: **Wi-Fi Banned in Nursery Schools** (WIFI and Wireless devices will be banned in "the spaces dedicated to home, to rest and activities of children under 3 years") and **Wi-Fi on "OFF" as Default to Minimize Exposures in Schools** (in elementary schools, Wi-Fi routers should be turned off when not in use).

- The L'Hospitalet de Llobregat City Council (second municipality of Catalonia in number of inhabitants) **disconnected Wi-fi networks installed in Nursery Schools** in April 2014 to reduce RF exposure in children aged 0 to 3 years [http://www.peccem.org/DocumentacionDescarga/Campanas/ESCUELA/ESCRITO_CONSELLERA_RETIRADA_WIFI_HOSPITALET_CAST.pdf]

19.- DIFFERENT LEVELS OF RECOGNITION OF THE EHS AS A DISABILITY IN THE FOLLOWING COUNTRIES:

- **In Sweden (2000)**, the electrohyper-sensitivity (EHS) is an officially fully recognized functional impairment:

Precedents: In May 1995, the Swiss Government decides, according to the SFS 2000: 7 §2, to subsidize the disability associations for their activities. (Government decision No. 8 950 621, Ref: S1995 / 2965). The Disability Federation (HSO), an umbrella organization of the Swedish disability associations, incorporated the Association of persons injured by the Electricity and computer display (FEB) in 1994 (the FEB becomes the ElectroSensitive Association in 2001).

The National Action Plan on Disability (1999/2000: SoU14), government bill, is approved by the Swedish Parliament in 2000. The then Social Affairs Minister Lars Engqvist writes: "The action plan refers to persons with disabilities generally. No disability is especially highlighted and nothing is excluded. People who are disabled as a result of electromagnetic hypersensitivity are therefore covered by the action plan". See: National Action Plan on Disability (SoU14), May 31, 2000 [https://www.riksdagen.se/sv/dokument-lagar/arende/betankande/nationell-handlingsplan-for-handikappolitiken_GN01SoU14].

- **The European Parliament resolution of 2 April 2009** on health concerns associated with electromagnetic fields, "calls on Member States to follow the example of Sweden and to recognise persons that suffer from electrohypersensitivity as being disabled so as to grant them adequate protection as well as equal opportunities" (<http://www.europarl.europa.eu/sides/getDoc.do?pubRef=-//EP//NONSGML+TA+P6-TA-2009-0216+0+DOC+PDF+V0//EN>).

- **The Section for Transport, Energy, Infrastructure and the Information Society (TEN) of the European Economic and Social Committee (EESC) adopted an opinion on Electromagnetic hypersensitivity (7 January 2015).** This opinion seeks recognition of EHS in the health, labor and social fields [<https://webapi.eesc.europa.eu/documentsanonymous/eesc-2014-05117-00-02-as-tra-en.doc>].

- **In USA (2002): The United States Access Board** (also known as the Architectural and Transportation Barriers Compliance Board), independent agency of the United States government devoted to accessibility:

"The Board recognizes that multiple chemical sensitivities and electromagnetic sensitivities may be considered disabilities under the ADA if they so severely impair the neurological, respiratory or other functions of an individual that it substantially limits one or more of the individual's major life activities. The Board plans to closely examine the needs of this population, and undertake activities that address accessibility issues for these individuals." (September 2002): <http://www.access-board.gov/guidelines-and-standards/buildings-and-sites/about-the-ada-standards/background/ada-accessibility-guidelines-for-recreation-facilities/general-issues>

"People with chemical and/or electromagnetic sensitivities can experience debilitating reactions from exposure to extremely low levels of common chemicals such as pesticides, cleaning products, fragrances, and remodelling activities, and from electromagnetic fields emitted by computers, cell phones, and other electrical equipment. According to the Americans with Disabilities Act (ADA) and other disability laws, public and commercial buildings are required to provide reasonable accommodations for those disabled by chemical and/or electromagnetic sensitivities". Recommendations for Accommodations in Indoor Environmental Quality (IEQ) (2006), a project of the National Institute of Building Sciences (NIBS) with funding support from the Access Board [<https://www.access-board.gov/research/completed-research/indoor-environmental-quality/recommendations-for-accommodations>]

- **In Canada (2007): the Canadian Human Rights Commission.** See the following publications of the:

Policy on Environmental Sensitivities (reviewed January 2014) [http://www.chrc-ccdp.ca/sites/default/files/policy_sensitivity_0.pdf].

The Medical Perspective on Environmental Sensitivities (2007) [http://www.chrc-ccdp.gc.ca/sites/default/files/envsensitivity_en_1.pdf].

Accommodation for Environmental Sensitivities: Legal Perspective (2007) [http://www.chrc-ccdp.ca/sites/default/files/politique_hypersensibilite.pdf].

RECOGNITION OF EHS AS A DIAGNOSIS CODE IN THE ICD-10 (International Statistical Classification of Diseases and Related Health Problems) in Denmark, Finland, Iceland, Norway and Sweden:

- The **Nordic Adaptation of Classification of Occupationally Related Disorders** (Diseases and Symptoms) to ICD-10 (ICD-10: International Statistical Classification of Diseases and Related Health Problems). Nordic Council of ministers. 2000: http://www.nordclass.se/ICD-10_Nordic%20Occupational_2000.pdf . The Nordic Council of Ministers (Denmark, Finland, Iceland, Norway and Sweden) is the official body for Nordic intergovernmental co-operation.

EXAMPLES OF THE COURT JUDGMENTS ON EHS THAT RECOGNIZE PERMANENT DISABILITY PENSIONS OR OTHER COMPENSATIONS:

- Australia (28 February 2013):

- The Administrative Appeals Tribunal (AAT) has ruled that the federal government's insurer, Comcare, should compensate an EHS person (75% of his salary) for "aggravation of a condition of nausea, disorientation and headaches" [<http://www.austlii.edu.au/au/cases/cth/AATA/2013/105.html>]. See also: <http://www.news.com.au/technology/csiro-scientist-dr-david-mcdonald-wins-compensation-for-wifi-pain/story-e6frfrnr-1226729178281>

- France (2014 and 2015):

- On January 2014, the Departmental Home for Disabled Persons (MDPH) in Essonne has provided financial assistance to a person electro (a first in France) to arrange his home and personal protection [<http://www.journaldelenvironnement.net/article/dans-l-essonne-l-electrosensibilite-reconnue-commme-un-handicap,45060>].
- On August 2015, a judgment of the Toulouse inability Dispute Tribunal recognize disability due to "hyper sensitivity to electromagnetic waves Syndrome" (first time in France), emphasizing that "the description of the clinical signs is irrefutable". [http://www.lemonde.fr/planete/article/2015/08/25/premiere-reconnaissance-en-justice-d-un-handicap-du-a-l-electrosensibilite_4736299_3244.html#YhEYjIUxkE8xS2ug.99, <https://www.theguardian.com/world/2015/aug/27/french-court-awards-woman-disability-grant-for-allergy-to-gadgets>]

- Germany (April 2014):

- The Federal Administrative Court (Bundesverwaltungsgericht) finally recognized as an occupational disease, the EHS of a German soldier who was hired as a radar mechanic in the German army, because of their exposure to radio frequencies on the workplace: <http://www.bverwg.de/entscheidungen/entscheidung.php?ent=100414B2B36.13.0>

- Spain (2011 and 2016):

- On May 2011, a judgment of the Madrid Labour Court nº 19 to declare permanent incapacity (100% of his base salary) of a worker Complutense University of Madrid who suffered from chronic fatigue and environmental and electromagnetic hypersensitivity (the EHS is mentioned for the first time in Spain as cause of disability) [http://elpais.com/elpais/2011/07/12/actualidad/1310458634_850215.html]
- On July 2016, a judgment Nº 588/2016 of the High Court of Madrid has recognized for the first time a situation of total permanent disability for the exercise of the profession of a telecommunications engineer as result of "electrosensitivity syndrome (EHS)". For the first time in Spain, this EHS condition is considered as the main cause of disability involved [<http://mieuxprevenir.blogspot.com.es/2016/08/spain-high-court-of-madrid-ruling.html>].

- UK (2012)

- In July 2012, a judgment of the Social Entitlement Chamber of the First-tier tribunal grants an awarded Employment and support to a person EHS under ESA Regulation 29 (Exceptional Circumstances). The Judge stated that "were it not for EMR the appellant would lead a normal life with little or no functional impairment" and that expectations of getting a suitable working environment in the current circumstances are "null". See reference 171, page 65 in *Electromagnetic Hypersensitivity. A Summary by Dr Erica Mallery-Blythe. December 2014* [<http://www.iemfa.org/wp-content/pdf/Mallery-Blythe-v1-EESC.pdf>].

20.- Guidelines of the Austrian Medical Association (2012) and the European Academy for Environmental Medicine (2015):

- Guideline of the Austrian Medical Association (ÖÄK) for the diagnosis and treatment of EMF-related health problems and illnesses (EMF syndrome). Consensus paper of the Austrian Medical Association's EMF Working Group (ÖÄK AG-EMF), March 2012: <https://www.diagnose-funk.org/download.php?field=filename&id=216&class=DownloadItem> . English version in: <http://www.magdahavas.com/wordpress/wp-content/uploads/2012/06/Austrian-EMF-Guidelines-2012.pdf>
- EUROPAEM EMF Guideline 2016 for the prevention, diagnosis and treatment of EMF-related health problems and illnesses. Igor Belyaev, Amy Dean, Horst Eger, Gerhard Hubmann, Reinhold Jandrisovits, Markus Kern, Michael Kundi, Hanns Moshammer, Piero Lercher, Kurt Müller, Gerd Oberfeld, Peter Ohnsorge, Peter Pelzmann, Claus Scheingraber and Roby Thill. Reviews on Environmental Health. ISSN (Online) 2191-0308, ISSN (Print) 0048-7554, DOI: 10.1515/reveh-2016-0011, July 2016. View full original article online with access to supplementary material: <http://www.degruyter.com/view/j/reveh.ahead-of-print/reveh-2016-0011/reveh-2016-0011.xml>. Downloadable in pdf format: <http://www.degruyter.com/downloadpdf/j/reveh.ahead-of-print/reveh-2016-0011/reveh-2016-0011.xml>

21.- The Charter of fundamental rights of the European Union (2000/C 364/01)

http://www.europarl.europa.eu/charter/pdf/text_en.pdf

"Electromagnetic hypersensitivity sufferers experience a serious deterioration in their quality of life, not only because of the physical symptoms it usually entails, but also because their lives are totally disrupted by the need to avoid exposure. In practice, it means that they not only have to avoid almost all public facilities such as transport, hospitals and libraries, but even their own homes, in order to escape adverse health effects, which is a breach of rights that are enshrined in the EU Charter of Fundamental Rights". Point 3.3 of the Opinion of the Section for Transport, Energy, Infrastructure and the Information Society of the EESC on Electromagnetic hypersensitivity on 7 January 2015 [<https://webapi.eesc.europa.eu/documentsanonymous/eesc-2014-05117-00-02-as-tra-en.doc>].

22.- Convention on the Rights of Persons with Disabilities 2006 [<http://www.un.org/esa/socdev/enable/rights/convtexte.htm>].

23.- This may be found in the legislation of some Member States UE as **France and Belgium**:

- **The French law no. 2010-788 of 12 July 2010 on “the national commitment to the environment”** encompasses the prohibition of specific radio-electronic devices for children under 6 years by limiting public exposure to EMF over-exposure (Art. L. 5231-4) and prohibits any advertising that promotes the mobile phone use by children under 14 years of age (Art. L. 5231-3) [http://cdd.asso.fr/content/download/447/2543/version/1/file/2010.07.13_Loi_n-2010-788_12juillet2010_engagement_national_pour_lenvironnement.pdf].

- **The Belgian Royal Decrees of July 30, 2013 on “the prohibition of placing on the market of mobile phones designed specifically for young children”** [http://www.etaamb.be/fr/arrete-royal-du-30-juillet-2013_n2013024306.html] and on “the availability of information to the attention of consumers on the specific absorption rate of mobile phones and advertising for mobile phones” which prohibits advertising for the use of mobile phones aimed at under seven years [http://www.etaamb.be/fr/arrete-royal-du-30-juillet-2013_n2013024307.html].

24.- **Directive 2003/33/EC of the European Parliament and of the Council** of 26 May 2003 on the approximation of the laws, regulations and administrative provisions of the Member States relating to the advertising and sponsorship of tobacco products [<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32003L0033>].

25.- **Directive 2001/37/EC of the European Parliament and of the Council** of 5 June 2001 on the approximation of the laws, regulations and administrative provisions of the Member States concerning the manufacture, presentation and sale of tobacco products [<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32001L0037>].

26.- Currently you cannot consider the knowledge of the SAR as a relevant measure itself to protect from the effects RF non-thermal effects, as indicated, for example, **the Seletun Scientific Statement (2010)** and **the French Agency for Food, Environmental and Occupational Health Safety –ANSES- (2016)**:

- “The Current Accepted Measure of Radiation Risk—the Specific Absorption Rate (‘SAR’)—Is Inadequate, and Misguides on Safety and Risk. SAR is not an adequate approach to predict many important biologic effects in studies that report increased risks for cancer, neurological diseases, impairments to immune function, fertility and reproduction, and neurological function (cognition, behaviour, performance, mood status, disruption of sleep, increased risk for auto collisions, etc.)”. Point 6 of the 10 Key Points Consensus Agreement of the *Seletun Scientific Statement in Fragopoulou A, Grigoriev Y, Johansson O, et al. Scientific panel on electromagnetic field health risks: consensus points, recommendations, and rationales. Rev Environ Health. 2010;25:307–17*. See in <http://electromagnetichealth.org/electromagnetic-health-blog/the-seletun-statement/>

- According to **the French Agency ANSES**, also it seems necessary to:

- “reconsider **the reference levels** aiming to limit environmental exposure to electromagnetic radiofrequency fields, in order to ensure that the safety margins are large enough to protect the health and safety of the general population, and particularly of children; reassess the relevance of the specific absorption rate (SAR) used to establish exposure limit values for individuals, for the purposes of protection against the known and proven health effects (thermal effects) of radiofrequencies, and develop a representative indicator of the actual exposure of mobile telephone users,”

- regardless of the conditions of use: signal used, good or bad reception, method of use (voice calls, loading data, etc.)”. **Exposure of children to radiofrequencies: a call for moderate and supervised use of wireless technologies, ANSES, Jun 2016**: <https://www.anses.fr/en/content/exposure-children-radiofrequencies-call-moderate-and-supervised-use-wireless-technologies> . See **France’s National Health and Safety Agency Calls For Reducing Children’s Wireless Exposures: ANSES 2016 Report. Environmental Health Trust (EHT), July 2016**: <http://ehtrust.org/frances-national-health-safety-agency-calls-reducing-childrens-wireless-exposures-anses-2016-report/>

27.- Since constant exposure (24 hours a day) to a small DECT base station of a **DECT cordless phone** or a **wireless baby monitor** at home can be hundreds of times greater than that received by the mobile phone masts outside EMF.

- **About the DECT cordless phone**: Where this is not possible dispense with the use of wireless technology, government agencies, like the **German Federal Office for Radiation Protection (BfS)** (August 2012), recommends strategies for minimizing personal exposure using those **DECT phones** with an option not to emit radiation in standby (see: https://www.bfs.de/SharedDocs/Downloads/BfS/DE/broschueren/emf/info-dect-telephone.pdf?__blob=publicationFile&v=3). The **Swiss Federal Office of Public Health (FOPH)** to minimize EMF exposure in their home or at work, the following advice: 1) Activate the low-emission mode (ECO mode) offered by modern cordless phones. 2) Ensure that DECT base units without an ECO mode are placed at least 50 cm away from relaxation places or work stations occupied for long periods. See: <http://www.bag.admin.ch/themen/strahlung/00053/00673/00674/index.html?lang=en>

- **About the wireless baby monitor**: According to the **Swiss Federal Office of Public Health (FOPH)**, “however, advisable to reduce the infant’s exposure to emissions as far as possible: 1) Place the baby monitor at least a meter away from the cot. 2) Do not use systems that transmit continuously. Set the baby unit to voice activation mode. 3) If the baby monitor is mains operated, ensure that the adaptor is plugged in at least 50 cm away from the cot. See: <http://www.bag.admin.ch/themen/strahlung/00053/00673/03012/index.html?lang=en> . See also the advice of the German Federal Office for Radiation Protection (BfS) (Last update: 7 March 2016: http://www.bfs.de/DE/themen/emf/hff/anwendung/babyphon/babyphon_node.html).

- **About the Smartphones**: in line with the idea of “Fewer apps means less radiation” the Vienna Medical Association the following advice in December 2015: “...Minimize the number of apps and disable the most unnecessary back-ground services on your smartphone. Disabling “mobile services”/“data network mode” turns the smart-phone into a conventional mobile phone. You can still be reached, but you avoid a lot of unnecessary radiation from background data traffic! ...” (<http://www2.aekwien.at/dlcentre/uploads/Handy->

[Plakat 6 Auflage Dez2015 440x1000 Englisch-1458811156.pdf](#). In this regard, it is necessary to establish an 'eco mode' in the user interface, which turns off all wireless internet connections (only calls and text messages).

28.- The Russian National Committee of Non-Ionizing Radiation Protection (RNCNIRP) in its recommendations about the use of mobile phones in September 2001 and advises "The duration of phone calls should be limited to a maximum of three minutes, and after make a, you should wait at least 15 minutes before making another ":

<https://translate.google.com/translate?hl=en&sl=ru&tl=en&u=http%3A%2F%2Fwww.vrednost.ru/docrnk.php&sandbox=1>,

<https://translate.google.com/translate?hl=en&sl=ru&tl=en&u=http%3A%2F%2Fwww.vrednost.ru/docvip.php&sandbox=1>,

<http://www.zakairan.com/CosmicCookies/HealthCookies/EMR%20Russian%20Report.pdf>

29.- WHO framework convention on tobacco control. A56/8. Geneva. World Health Organization (WHO), 2003 [http://www.who.int/fctc/text_download/en/].

30.- Bellieni CV et al 2008. Electromagnetic fields produced by incubators influence heart rate variability in newborns. Arch Dis Child Fetal Neonatal Ed 93(4):F298 - 301 PMID: 18450804: <http://www.avaate.org/IMG/pdf/incuadorafn132738.pdf>

See also Chapters 16 and 19 of the Report BioInitiative 2012:

- http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec19_2012_Fetal_neonatal_effects_EMF.pdf

- http://www.bioinitiative.org/report/wp-content/uploads/pdfs/sec16_2012_Plausible_Genetic_Metabolic_Mechanisms.pdf

31.- Medical organizations as the Austrian Medical Chamber (2012) [<http://www.apdr.info/electrocontaminacion/Documentos/Artigos/OAK20120118.pdf>] and as the American Academy of Environmental (2012), warn of the dangers of "Smart Meters" implementation [<https://www.aemonline.org/pdf/AAEMEMFmedicalconditions.pdf>]; and scientists and experts such as the signatories to the letter "Smart Meter Dangers: The Health Hazards of Wireless Electromagnetic Radiation Exposure" (2012) [<http://www.globalresearch.ca/smart-meter-dangers-the-health-hazards-of-wireless-electromagnetic-radiation-exposure/31891>].

- In the United States:

In some states are many examples of the groups, lawmakers, counties and cities who have called for a moratorium, the right for consumers to opt out, adopted an ordinance banning meters, requested more research on health and safety impacts, or are opposing Smart Meters. See partial list of California (<http://emfsafetynetwork.org/smart-meters/>) and twenty-four units of local government units of the State of Michigan (<https://michiganstopsmartmeters.com/more-city-governments-voice-opposition/>).

- In Canada:

- More than 60 municipalities, regional districts and First Nation governments in British Columbia have passed resolutions calling for a moratorium on Smart Meters (2011-2015: <http://www.castanet.net/news/BC/140770/Smart-meter-moratorium>).

- The provincial government of Saskatchewan in 2014 ordained mandatory withdrawal 105.000 smart meters (<http://ici.radio-canada.ca/regions/saskatchewan/2014/07/30/006-remplacement-compteurs-intelligents-saskpower.shtml>).

- The electricity company Hydro-Quebec (Quebec government-owned public utility) offers since December 2015 a option of withdrawal in the province of Quebec (<http://compteurs.hydroquebec.com/installation>).

- In France:

Between 2015 and 2016, more than 225 municipalities reject the Smart Meters (Linky and Gazpar) [<http://refus.linky.gazpar.free.fr/>].

Public agencies and advisory committees such as the Executive Agency for Health and Consumers (EAHC), The Committee on Environment, Public Health and Food Safety (ENVI), Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR), European Economic and Social Committee (EESC), etc.

32.- Opinion of the European Economic and Social Committee on the 'Proposal for a Directive of the European Parliament and of the Council on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields) (20th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) COM(2011) 348 final — 2011/0152 (COD): <http://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:52011AE1855>

33.- See the following complaints and calls for ensure transparency, impartiality and plurality of expert assessments:

- Complaint from European organisations to the European Ombudsman (March 2015: <http://www.iemfa.org/wp-content/pdf/newsletter/Pressrelease-SCENIHR-2015.pdf>) and to the European Commission about the SCENIHR 2015 opinion on health effects from electromagnetic fields (September 2015: <http://www.iemfa.org/news/scenihr-2015-opinion-complaint-to-the-european-commission/>)

- Conflicts of Interest among the Members of the International Organization ICNIRP. AVAATE letter (10th July, 2015) [<http://www.iemfa.org/news/conflicts-of-interest-among-the-members-of-the-international-organization-icnirp/>].

- Assessment of the elaboration process of the European economic and social committee (EESC) opinion on electromagnetic hypersensitivity (EHS). An EESC Failure: conflicts of interests block the rights of people with EHS-functional impairment. The European associations defending EHS people's rights and the European associations fighting against electromagnetic pollution (February 2015) [<http://www.iemfa.org/wp-content/pdf/Assessment-on-the-EESC-EHS-Process-EN.pdf>].

- Letter of Notice holding EESC member Richard Adams personally accountable for betraying public trust by ignoring evidence on the hazards of RF/EMF. The letter of notice by EM Radiation Research Trust UK (18th February 2015) is supported by more than 85 organisations and Platforms [<http://www.iemfa.org/news/holding-eesc-member-richard-adams-personally-accountable-for-betraying-public-trust/>].

- *The opinion of NGOs on the WHO preliminary draft on Radio Frequencies and health effects*, signed by 47 NGOs in many countries Globe (December 2014) [<http://www.iemfa.org/wp-content/pdf/NGO-Opinion-WHO-Consultation.pdf>].

- *In order to ensure the transparency, impartiality and plurality of expert assessments in the SCENIHR. AVAATE/PECCEM letter* (22th September 2014) [http://www.iemfa.org/wp-content/pdf/Letter_of_PECCEM.pdf].

- *On the need for Independent and Credible Environmental Assessment*. Opinion de la the International EMF Alliance (IEMFA), March 2011 [<http://www.iemfa.org/wp-content/pdf/IEMFA-Opinion-on-Independent-Environmental-Assessment.pdf>].

34.- For example, the **Visible light communication (VLC)** emitted by LED lamps (**LI-FI technology**), that prevents deep penetration in the body as in the case of microwave and other radio waves [<http://www.bemri.org/visible-light-communication.html>, <http://www.iijettjournal.org/2015/volume-28/number-4/IJETT-V28P231.pdf>, <http://www.silicon.fr/wp-content/uploads/2015/04/wifo.jpg>, http://www.lifi-centre.com/wp-content/uploads/2014/07/131201_LiFi_RaD_summary.pdf].

There are consumer protection and environmental protection organizations such as the German "**Diagnose: funk**" that call for caution: Although "many problems WLAN [Wi-Fi] today can be avoided by using the VLC technology [Li-Fi]", this organization recognizes that to ensure a safe internet connection in schools "It is preferable to await and continue to use solutions based on the cable connection until the VLC technology [Li-Fi] where tested to that biological risks are assessed." See *Empfehlungen für Schulen. Bestrahlung der Schüler vermeiden, Diagnose:funk (2015)* [<https://www.diagnose-funk.org/themen/mobilfunk-anwendungen/computernetze-wlan-powerline/empfehlungen-fuer-schulen>].

THE LIST OF SIGNATORIES OF THE EUROPEAN MANIFESTO *in support of an European Citizens' Initiative (ECI) for an EMF exposure regulation, which truly protects public health*

[Updated in January 2018]:

Amongst the signatories to this *European Manifesto* there are scientists, researchers and experts, as well as professional bodies and associations and representatives of civil society organizations (from health advocates, consumers, neighbours, environmentalists, ecologists, trade unions, parents of students, people with central sensitization syndromes -electro-hypersensitivity, multiple chemical sensitivity, chronic fatigue, fibromyalgia, etc.-, brain tumour patients, concerned citizens and activists associations working in the field of electromagnetic pollution) coming from 26 countries (Argentina, Australia, Austria, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, India, Ireland, Italy, Macedonia, Netherlands, Panama, Poland, Portugal, UK, Russia, South Africa, Slovakia, Spain, Sweden, Switzerland and USA).

The first signatories / scientists, researchers and experts

- Prof. **Enrique Navarro Camba**, Ph.D., MSc.; Department of Applied Physics, University of Valencia – Valencia, Spain.
- Prof. **Jaume Segura García**, Ph.D.; Department of Applied Physics, University of Valencia – Valencia, Spain.
- **Manuel Portolés**, Ph.D.; Cell Biology and Pathology Unit, Research Center, University Hospital La Fe – Valencia, Spain.
- Prof. **Ceferino Maestu Unturbe**, Ph.D.; Director of the Bioelectromagnetism Laboratory of the Centre for Biomedical Technology (CTB), Polytechnic University of Madrid (UPM). Director of the **Leganés Project** (LEGACONRAD) a real time RF-EMF monitoring in a wide urban area through self-developed technology. President of the **Spanish Society of Central Sensitivity Syndrome (SESSEC)** – Pozuelo de Alarcón, Madrid, Spain.
- Prof. **Darío Acuña Castroviejo**, Professor of Physiology; Biomedical Research Center, University of Granada – Granada, Andalucía, Spain.

- Prof. [María Jesús Azanza Rúa](#), Professor emeritus of Biology and Magnetobiology; Faculty of Medicine, Zaragoza University. Associate Member of the Centre for Biomedical Technology /CTB, Technical University of Madrid /UPM – Zaragoza, Aragón, Spain.
- [Agustín del Moral Gamíz](#), Former Director and senior research fellow of the Laboratory of Magnetism and Intense Magnetic Fields of the Materials Science Institute of Aragón (ICMA), Dept. of Physics of Condensed Matter and the Spanish Centre of Scientific Research (CSIC) - Faculty of Science of the University of Zaragoza. Professor Extraordinaire of the University of Zaragoza and Associate Member of the Centre for Biomedical Technology /CTB, Technical University of Madrid /UPM. In 2008, he received the "SALVADOR VELAYOS" Spanish Magnetism Prize for their contributions to the scientific development on magnetism in Spain – Zaragoza, Aragón, Spain.
- [Emilio Mayayo Artal](#), MD; Pathological Anatomy Unit, Faculty of Medicine and Health Sciences /IISPV, University Rovira i Virgili – Reus, Tarragona, Catalonia, Spain.
- [Alfonso Balmori Martínez](#), Ph.D., biologist; researcher into the effects of radio frequencies in living things – Valladolid, Spain.
- [José Luis Bardasano](#), Ph.D., Honorary Professor, Dept. of Medical Specialties, Faculty of Medicine /University of Alcalá de Henares – Madrid, Spain.
- Prof. [Fidel Franco González](#), Ph.D.; Department of Applied Physics, Polytechnic University of Catalonia – Barcelona, Catalonia, Spain.
- [Jean-Loup Mouysset](#), medical oncologist, formed in environmental health. Founder and director of [Centre Ressource](#) – Rambot Provençale, Aix-en-Provence, France.
- [Donald Maisch](#), Ph.D.; author of “The Procrustean Approach, Setting Exposure Standards for Telecommunications Frequency Electromagnetic Radiation”, webmaster of [EMFacts Consultancy](#) and board member of [International EMF Alliance \(IEMFA\)](#) – Hobart, Tasmania, Australia.
- Prof. Dr. [Hanns Moshhammer](#), Senior Researcher, Inst. Environmental Health, ZPH, Medical University of Vienna. Journal Editor of Biomonitoring. Co-President of the [Austrian Doctors for a Healthy Environment \(AeGU\)](#) / Austrian section of International Society of Doctors for the Environment (ISDE) – Austria.
- Prof. [Paul Héroux](#), Ph.D.; Department of Epidemiology, Biostatistics and Occupational Health, McGill University Faculty of Medicine; Department of Surgery, [InVitroPlus Laboratory](#) – Montreal, Quebec, Canada.
- [Ying Li](#), Ph.D.; McGill University Health Center; Department of Surgery, [InVitroPlus Laboratory](#) – Montreal, Quebec, Canada.
- Professor Emeritus [Pankaj Gadhia](#), B.Sc., M.Sc., Ph.D.; genetic consultant & advisor, SN Gene Laboratory and Research Centre – Surat, Gujarat, India.
- Prof. [Stanislaw Szmigielski](#), MD, Ph.D.; Professor of Pathophysiology, Consulting Expert, former director of Dept. of Microwave Safety, Military Institute of Hygiene and Epidemiology – Warsaw, Mazovia, Poland.
- Prof. Emeritus [Eugene Sobel](#), Ph.D.; Dept. of Preventive Medicine, Keck School of Medicine /USC – University of Southern California. His primary research interests include very early

diagnosis of cancers, melatonin as a treatment for cancer, and health effects of ELF-EMF exposure – Los Angeles, California, USA.

- Dr. [Raymond Singer](#), Ph.D.; Neuropsychologist/Neurotoxicologist, ex-consultant in neuropsychology and neurotoxicology, United States Department of Justice, Environmental Crimes Section, and Federal Bureau of Investigation – Santa Fe, New Mexico, USA.
- Dr. [Philip Michael](#), M.B., B.Ch., B.A.O., D.C.H., MCIG; Hon. Secretary [Irish Doctors Environmental Association \(IDEA\)](#), Vice President (Europe) [International Society of Doctors for the Environment \(ISDE\)](#), Millbrook Medical Centre – Bandon, County Cork, Ireland.
- Dr. [Jean A. Monro](#), M.B., B.S., MRCS, LRCP, FAAEM, Dip. ABEM; Medical Director of the Breakspear Medical Group Ltd., and internationally recognized specialist in environmental medicine. Fellow of the [American Academy of Environmental Medicine](#), Board Certified US examination, Principal Medical Advisor Breakspear Hospital Trust. Hemel Hempstead – Hertfordshire, England, UK.
- [Denise Jourdan Hemmerdinger](#), Honorary CNRS Researcher (human sciences), co- founder of HHorages-France, member of administrative council of [CRIIGEN](#) (Comité de Recherche et d'Information Indépendantes sur le génie Génétique) – Thiais, Île de France, France.
- [William J. Rea](#), M.D., F.A.C.S., F.A.A.E.M.; President of the [American Environmental Health Foundation](#), vicepresident of the [American Board of Environmental Medicine](#) and previously served on the board of the [American Academy of Environmental Medicine](#) – Dallas, Texas, USA.
- Dr. [Joel M. Moskowitz](#), Ph.D., M.A., B.A.; Director and Principal Investigator, [Center for Family and Community Health](#), the UC Berkeley Prevention Research Center School of Public Health /University of California – Berkeley, California, USA
- Dr. [Lebrecht von Klitzing](#), Prof. Ph.D.; Medical Physicist (DGMP). Veteran medical physicist and researcher. [Umweltphysikalische Messungen GbR](#)– Wiesenthal, Rhön, Thuringia, Germany.
- Dr. rer. nat. [Stefan Spaarmann](#), Dipl. Physiker. He is [participated](#) in [Working Group Elektrobiologie](#) Munich, [BEMRI](#)-London, [BUND](#)-Saxony (Honorary citizen Project of the Foundation), [HESE Project](#), [Kompetenzinitiative](#) – Taucha, Saxonia, Germany.
- [Hanna Tlach](#), Dipl. Psych, DGIP, DGPT, BDP, LPK; Speaker of Agenda Health group in [www.allensbach.de](#) – Allensbach, Lake Constance, Konstanz district, Baden- Wuerttemberg, Germany.
- Dr. med. [Christine Aschermann](#), Neurologist, Psychiatrist, Psychotherapist. Founding Member of [the Freiburg Appeal](#) – Leutkirch, Baden-Württemberg, Germany.
- [Mikko Ahonen](#), Founder, Sustainable Mobile Inc & Researcher, PhD, Univ. of Tampere – Tampere, Pirkanmaa, Finland.
- Prof. Dr. [Alvaro Augusto Almeida de Salles](#), B.Sc., M.Sc., Ph.D. (electrical engineering); Federal University of Rio Grande do Sul – Porto Alegre, Brazil.
- [Peter Sierck](#), Principal and Industrial Hygienist; Certified Indoor Environmental Consultant, Founder the institute of Inspection Cleaning and Restoration Certification and ET&T Inc. Encinitas – California, USA.

- [Susan Foster](#), MSW; Advisor to the [Radiation Research Trust](#) (UK), Medical Writer, Honorary Fire-fighter for Life, San Diego Fire Department, Co-Author in [Resolution 15, International Association of Firefighters](#); Organizer of the Pilot Study of California Firefighters Exposed to RF-EMF – Rancho Santa Fe, California, USA.
- [Richard H. Conrad](#), Ph.D.; biochemist, expert in EHS and in reducing EMF exposures in home and workplace – Waianae, Hawaii, USA.
- [Christopher Busby](#), Ph.D. in Chemical Physics; Co-founded a number of organisations looking at various aspects of the health effects of radiation (as the [European Committee on Radiation Risk](#) and [Green Audit](#)), and has joined many more. Researcher the health effects on non-ionising radiation since 1998 – United Kingdom.
- [Cyril W. Smith](#), Ph.D.; Physicist, DIC, Honorary Senior Lecturer (retired) in the Electrical Engineering Department, University of Salford, Manchester, England. Involved with the diagnosis and treatment of electrically sensitive patients (EHS) since 1982, author and co-author of various publications as "Electromagnetic Man: Health and Hazard in the Electrical Environment" – Manchester, England, United Kingdom.
- [Paul-Gerhard Valeske](#), Dr.med. NHV, homoeopath – Kempten, Bavaria, Germany.
- [Dr Lauraine M H Vivian](#), M. H. M.Sc., Ph.D., Senior Lecturer the Primary Health Care Directorate, Faculty of Health Sciences, University of Cape Town – Cape Town, Western Cape, South Africa.
- [Massimo Scalia](#), senior environmentalist researcher and Professor of Mathematical Physics at the Department of Mathematics of the Sapienza University, Rome, Italy; member of the Italian Scientific Board of the Interuniversity Research Centre for Sustainable Development /[CIRPS](#), Co-Chair of the Scientific Committee the UN Decade of Education for Sustainable Development /[DESD](#) during 2005- 2014, founder of the League for the Environment, now [Legambiente](#) – Rome, Lazio, Italy.
- [Karl Hecht](#), Dr. med. habil. Professor Emeritus of Neurophysiology and appointed Professor of experimental and clinical pathophysiology – Berlin, Germany.
- Mathias Borchardt, Dipl. Ing. (TU), DB Projektbau – Dresden, Saxonia, Germany.
- Dr. [Carlos Sosa](#), M.D.; Former doctor the emergency services of the Hospital Pablo Tobón Uribe (Medellín, Colombia) who has-been [diagnosed with EHS](#) – Medellín, Colombia.
- Prof. [Giuseppe Vitiello](#), Ph.D.; Professor of Theoretical Physics, Department of Physics. "E.R. Caianiello", University of Salerno – Fisciano, Campania, Italy.
- Prof. [Francisco de Assis Ferreira Tejo](#), Dr; Group of computational electromagnetism and Bio-electromagnetism, Department of Electrical Engineering, Federal University of Campina Grande – Paraíba, Brazil.
- [Cindy Sage](#), professional environmental consultant, co-editor of both the [BioInitiative Report](#) (2007 and 2014) – Montecito, California, USA.
- Prof. [Paul Héroux](#), Ph.D.; BioInitiative Working Group member; Associate Professor of Health Effects of Electromagnetic Radiation; Occupational Health Program Director of the Department of Epidemiology, Biostatistics and Occupational Health /McGill University Faculty of Medicine, and Department of Surgery, [InVitroPlus Laboratory](#), Royal Victoria

Hospital /McGill University – Montreal, Quebec, Canada.

- [David O. Carpenter](#), M.D.; Director of the [Institute for Health and the Environment](#), University at Albany – State University of New York /SUNY. Co-editor of both the 2007 BiolInitiative Report and the [BiolInitiative 2012](#) – Albany, New York, USA.
- [Igor Beliaev](#), Dr.Sc.; Head, Laboratory of Radiobiology of the Cancer Research Institute, Slovak Academy of Science, Bratislava, Slovak Republic; Professor, Laboratory of Radiobiology, Department of Ecological and Medical Problems, Prokhorov General Physics Institute, Russian Academy of Science – Moscow, Russia.
- Prof. [Mauro Cristaldi](#), Naturalist, Professor Associate, Department of biological and biotechnological, Research Center “La Sapienza” for Applied Sciences in Environmental Protection and Cultural Heritage C.N.R. The Sapienza University of Rome – Rome, Italy.
- [Roberto Romizi](#), General Practitioner, President of [ISDE - Associazione Medici per l'Ambiente](#) Italia and [ISDE scientific Office](#) – Arezzo, Tuscany, Italy.
- [Mariangela Migliardi](#), architect, Project Manager and founding partner of [GEA - Geobiophysical Environmental Analysis](#) School Institute – Mombaruzzo, Asti, Italy.
- [Cristina Rovano](#), architect, expert in geology and geophysics analysis – Turin, Piedmont, Italy.
- [Patrizia Signorotto](#), expert in radiation health physics, professor of radiology at the Specialization School of the University Vita-Salute San Raffaele. Scientific activities with several national and international publications. Vice-President of the [Circolo Legambiente "Angelo Vassallo"](#) – Pollica, Campania, Italy.
- [Massimo Sperini](#), physicist, teacher of electronics and telecommunications, Electronic Laboratory, Institute R. Rossellini (Roma), expert techniques of measurement of electromagnetic fields. Co-author of books as “Fascino Discreto II'Elettromagnetismo” and “Ioni aerei e salute umana” – Rome, Italy.
- Dr. [Morando Soffritti](#), M.D; Oncologist, author of more than 150 publications, Scientific Director of the [European Foundation for Oncology and Environmental Sciences “B. Ramazzini”](#) – Bologna, Emilia-Romagna, Italy.
- [Fiorella Belpoggi](#), Ph.D., FIATP, is the Director and Chief of Pathology of the Cesare Maltoni /Cancer Research Centre of the [Ramazzini Institute](#), where she has been working since 1981. Since 2010 she is also Director of the European Experimental Laboratory, where GLP studies are performed. Her research interests include long- term studies with particular regard to energy (fuels, gamma radiation, electromagnetic fields) – Bentivoglio, Bologna, Emilia-Romagna, Italy.
- Prof. Ing. [Giancarlo Spadanuda](#) Electrical Engineer, EMF Specialist, Technical Consultant of the Judiciary in more than one District Judiciary, on the subject of electromagnetic fields – Catanzaro, Calabria, Italy.
- [Caterina Tanzarella](#), Prof. of Genetics, Cytogenetics Laboratory, Department of Biology at Roma Tre University – Roma, Italy.
- Pierre Le Ruz, PhD in animal physiology, European expert on electromagnetic pollution and radiation protection. Author of books and publications on the biological effects of non-

ionizing radiation. President and on behalf of the [Centre de Recherche et d'Information Indépendante sur les Rayonnements Electromagnétiques](#) (CRIIREM) – Rennes, Bretagne, France.

- [Igor Nazarov](#), Research Assistant, Ph.D., MPhTI, Research and Teaching at EU and US – Eagle Point, Oregon, USA.
- [William Lee Cowden](#), MD, MD(H), a USA board-certified Cardiologist & Internist; Chairman of the Scientific Advisory Board and Professor of the ACIM - [Academy of Comprehensive Integrative Medicine](#) /Panama – Panama City, Republic of Panama.
- [Ageorges Guillaume Pierre Henri](#), addictions specialist, the Secretary for the SERA - Santé - Environnement en Rhône-Alpes, member of the [ASEF](#) - national federation of associations of regional environmental health – Lyon, Auvergne-Rhône-Alpes, France.
- [Mark McGuire](#), M.Sc.; Health Research Methods. M.A. Social & Health Policy. President at [Health Systems Innovations Inc](#) – North York, Ontario, Canada.
- [Milena Aran](#), EMF Researcher, director of the ONG [School Without Wi-Fi](#) Catalonia – Reus, Tarragona, Catalonia, Spain.
- [María Josefa Delgado Guerrero](#), Retired associate Professor of Physiology; University of Seville – Seville, Andalucía, Spain.
- [Vincent Lauer](#), Engineer, scientist, specialist of the interaction of the immune system with electromagnetic waves – La Chapelle sur Erdre, Loire, France.
- [Alasdair Philips](#), BSc (Eng), DAfE. Independent researcher into environmental health issues including EMF/RF effects. He is the director of the [Powerwatch](#).– United Kingdom.
- [Dr. Isaac Jamieson](#), PhD, DIC, RIBA, ARB, DipAAS, BSc(Hons), MInstP. Member of the Institute of Physics' Electrostatics Group, of the RIBA Regulations and Standards Group (representing them in 2011 on the UK Health Protection Agency's ELF EMF Communication Working Group) of the Expert Group at the European Commission. Regular contributor to the CIBSE Intelligent Buildings Group, especially on matters related to biosustainability issues – United Kingdom.
- [Dr. Fiorenzo Marinelli](#), Ph.D., researcher on biological effects of EMFs, Institute of Molecular Genetics - National Council of Research (CNR) of Bologna. Member of [International Commission for Electromagnetic Safety \(ICEMS\)](#). Evaluator member of the European Commission for European research projects on EMF – Bologna, Emilia-Romagna, Italy.
- [María Cornejo](#), architect, on behalf of the [Acupofta](#) architectural studio, specialized in bioconstruction as well as construction of new plant and / or adaptation of housing for people with MCS (Multiple Chemical Sensitivity) and Electromagnetic hypersensitivity (EHS) – Requejo de Pradorrey, Castile and León, Spain.
- [Domingo Jiménez Beltrán](#), the former Executive Director of the **European Environment Agency** (1994-2002). Industrial engineer. Lecturer on the master's programme on public policies, Pompeu Fabra University (Barcelona). President of “Fundacion Renovables” / Spanish Foundation promoting renewable energy. In 2005, he founded and was Director of the Observatory on Sustainability in Spain. 2007 Spanish National Extraordinary Environmental Award. See more: [1](#) and [2](#) – Murcia, Spain.

- [Anthony J. Hughes](#), B.Sc Dip.Chem.Eng., Dip.Stats. & O.R., Licentiate in Traditional Chinese Medicine. Director of the [Natural Medicine Clinic](#) – Dublin, Ireland.
- [Martí Boada Juncá](#), Ph.D. in Environmental Science, BA and MA in Geography, skilled in Chemistry. Full professor and researcher at the Autonomous University of Barcelona in the Department of Geography and in the Institute of Environmental Science and Technology (ICTA), Director of its research group Conservation, Biodiversity and Global Change. Visiting professor at universities of California (Santa Barbara, USA), Missoula (Montana, USA), Zacatecas (México), de San Nicolás de Hidalgo (Morelia, México) and Toulousse (France). Member of the Spanish Committee of UNEP (United Nations Environment Programme), the Education and Communication Commission of the IUCN (International Union for Conservation of Nature) and the Global 500 Forum of the UNEP – Barcelona, Catalonia, Spain.
- [Mario C. Canciani](#), MD, Pediatra, Head, Allergology and Pulmonology Unit Paediatric Clinic, Policlinico University Hospital UDINE– Udine, Italy.
- [Máximo Sandín](#), PhD in Biological Sciences and Bioanthropology, retired professor of Human Evolution and Ecology in the Department of Biology of the Autonomous University of Madrid.

The first signatories / professional associations

- Dr Tomica Ancevski, as President and on behalf of the [Zdruzenie na Doktori za zivotna sredina](#) / MADE- The Macedonian section of International Society of Doctors for the Environment (ISDE) –Macedonia.
- José Pelayo Míguez Baños, as Dean and on behalf of the [Colexio Oficial de Biólogos de Galicia](#) / the Galician Official College of Biologists – Santiago de Compostela, A Coruña, Galicia, Spain.
- Prof. Dr. [Hanns Moshhammer](#), as Co-President and on behalf of the [Austrian Doctors for a Healthy Environment \(AeGU\)](#) / Austrian section of International Society of Doctors for the Environment (ISDE) – Austria.
- Dr. med. Edith Steiner, as central committee member and on behalf of the [Ärztinnen und Ärzte für Umweltschutz](#) / the Swiss section of International Society of Doctors for the Environment (ISDE) – Schaffhausen, Switzerland.
- Dr Francis Glémet, on behalf of the [Coordination Nationale Médicale “Santé Environnement”](#) (CNMSE) / the Medical French National Coordination “Health Environment” – Paris, France.
- Dr Philip Michael, as Hon Sec and on behalf of the [Irish Doctors Environmental Association \(IDEA\)](#), and as VP (Europe) [International Society of Doctors for the Environment \(ISDE\)](#) – Bandon, Co. Cork, Ireland.
- Peter Matz, as chief and on behalf of the [Human ecological social economical Project \(h.e.s.e. project\)](#) - working group EMF -. He is responsible of the [elektrosmognews.de](#) – Germany.

- Dipl. Phys. Dr. Stefan Spaarmann, on behalf of the [Kompetenzinitiative zum Schutz von Mensch, Umwelt und Demokratie e.V.](#) / “Competence Initiative for the Protection of Humanity, Environment, Democracy e.V.” (international initiative of scientists and physicians) – Germany.
- [Roberto Romizi](#), as President and on behalf of the [Associazione Medici per l'Ambiente - ISDE Italia](#) / The Italian section of International Society of Doctors for the Environment (ISDE) – Arezzo, Tuscany, Italy.

The first signatories / people and social organizations

- Kerstin Stenberg, as contributor to the development the ECI Manifest on behalf of the [Stralskyddsstiftelsen](#) – the Swedish Radiation Protection Foundation. He is board member the [International EMF Alliance \(IEMFA\)](#) and Regional Delegate of Alsace of the [PRIARTEM](#) in the French region of Alsace.
- Pierre Boulet, on behalf of the [Coordination Nationale des Collectifs contre les antennes relais](#) / the French National Coordination of Groups against the indiscriminate implementation -in all directions- of wireless base stations and for the implementation of Resolution 1815 of the Parliamentary Assembly of the Council of Europe. He is one of the contributors to the development of the “ECI Manifesto” and active member of [Robin des Toits](#) in Aquitaine – Pouillon, Aquitaine, France.
- Asunción Laso, on behalf of the [Plataforma Estatal Contra la Contaminación Electromagnética \(PECCEM\)](#) / the Spanish Platform Against Electromagnetic Pollution and the [AVAATE - Asociación Vallisoletana de Afectados por las Antenas de Telecomunicaciones](#) / the Valladolid Association of Injured by Telecommunications Antennas. He is also one of the contributors to the development of the “ECI Manifesto” as one of the Castile and León Coordinator of the PECCEM – Valladolid, Castile and León, Spain.
- Julio Carmona, on behalf of the [Asociación Pola Defensa da Ría \(APDR\)](#) / Pontevedra Association in Defence of the Estuary, and the [Federación Ecoloxista Galega](#)/ the Galician Environmental Federation. He is also one of the contributors to the development of the “ECI Manifesto” as one of the Galician Coordinator of the [PECCEM](#) – Pontevedra, Galicia, Spain
- Stéphane Sanchez, as President and on behalf of the [Association Sans Onde](#) / the French [Association No Wave](#). He is also one of the contributors to the development of the ECI Manifest – Bordeaux, Aquitaine, France.
- Giorgio Cinciripini, as one of the contributors to the development of the ECI Manifest and as a coordinator of the [Rete Electtrosmog-Free Italia](#) / the Italian Electrosmog-Free Network – Crema, Cremona, Italy.
- Francesca Romana Orlando, as one of the contributors to the development of the ECI Manifest, as Vice President and on behalf of the [Associazione per le Malattie da Intossicazione Cronica e/o Ambientale \(A.M.I.C.A.\)](#) / the Italian Association for Environmental and Chronic Toxic Injury – Rome, Italy.
- Antonio Gagliardi, as one of the contributors to the development of the ECI Manifest on behalf of the [Associazione Elettrosmog Volturino](#) – Volturino, Foggia, Italy.

- Luc Leenders, as one of the contributors to the development of the ECI Manifest as Coordinator and on behalf of the Flemish Association StralingsArmVlaanderen - StralingsArmVlaanderen.org – Maaseik, Limburg, Belgium.
- Christine Duchateau, as one of the contributors to the development of the ECI Manifest, and on behalf of the Flemish Association StralingsArmVlaanderen - StralingsArmVlaanderen.org – Belgium.
- Samuel Martín-Sosa Rodríguez, as responsible for international affairs and on behalf the Confederación de Ecologistas en Acción / the Spanish Confederation of Ecologists in Action – Madrid, Spain.
- Nuno Sequeira, as President of the national board affairs and on behalf of the [Quercus, Associação Nacional de Conservação da Natureza \(ANCN\)](http://Quercus, Associação Nacional de Conservação da Natureza (ANCN)) / the Portuguese National Association of environmental conservation – Lisbon, Portugal
- Pablo Andrés Gerbolés Sánchez, as Secretary of the [Confederación Estatal de Asociaciones de Vecinos \(CEAV\)](http://Confederación Estatal de Asociaciones de Vecinos (CEAV)) / the Spanish Confederation of Neighbourhood associations – Madrid, Spain.
- José Garcia, as General Secretary and on behalf of the Syndicat des locataires / the Belgium association of Tenants Union – Anderlecht, Brussels region, Belgium.
- Jesús Ulloa Barrocal, as President and on behalf of the FACUA - Consumidores en acción de Castilla y León / Castile-León Federation of consumers Associations of the FACUA - Consumers in action – Valladolid, Castile and Leon, Spain.
- Una St.Clair-Moniz, as Executive Director and on behalf of the “Citizens for Safe Technology” Society (CST) – Langley, British Columbia, Canada.
- Anton Fernhout, environmental engineer, as committee member and on behalf of the ARA - Association Romande Alerte aux Ondes ElectroMagnétiques / the Romande Association to alert electromagnetic waves – Morges, Vaud, Switzerland.
- Dr. Leendert Vriens, physicist, as webmaster of the www.StopUMTS.nl – Knegsel, Noord-Brabant, Netherlands.
- Michael Bevington MA (Oxon.), MEd, as Chair of Trustees and on behalf of the Electrosensitivity U.K. /ES-UK – London, United Kingdom.
- Agnes Ingvarsdottir, on behalf of Mast-Victims.org – Malvern, Herefordshire, United Kingdom.
- Sosthène Berger, Ing. Dipl. HES, as webmaster of www.GigaSmog.ch – La Neuveville, Bern, Switzerland.
- Diana Hanson, as Chair of the CAVI Society (Children Against Vested Interests) and National Coordinator of the SSITA (Safe Schools Information Technology Alliance – Solihull, West Midlands, United Kingdom).
- Silvana Lund, on behalf of the EHS Foreningen af el-overfølsomme / the Danish Association of electro-hyper sensitives – Hobro, Nordjylland, Denmark.
- Elisabeth Buil, as Vice President and on behalf of the Une Terre pour les EHS / “A Place for the EHS” – France.

- Georges Cingal, as Secretary-General and on behalf of the [Fédération des Sociétés pour l'Étude, la Protection et l'Aménagement de la Nature dans le Sud-Ouest SEPANSO](#) France Nature Environnement Aquitaine) / the Federation of the Societies for the study, protection and Management of the nature (the representative of « France Nature Environnement » in Aquitaine). He is Responsible for European and International Affairs at France Nature Environnement, Correspondent of the European Environmental Bureau and Member of the European Economic and Social Committee since 21 September 2010 – Bordeaux, Aquitaine, France.
- [Eileen O'Connor](#), is the Director and Co-Founder of the [EM Radiation Research Trust \(RRT\)](#). She is a Board Member and Co-Founder for the [International EMF Alliance \(IEMFA\)](#), Stakeholder for the EU Commission Dialogue Group and Trustee for [Physicians' Health Initiative for Radiation and Environment \(PHIRE\)](#) – Liverpool, England, United Kingdom.
- [Marion Dupuis](#), as a veteran French EMF/EHS activist. He is Coordinator of Haute- Savoie of the [PRIARTEM](#) - Pour une réglementation des antennes relais de téléphonie mobile / the French national PRIARTEM association for the regulation of placement of mobile phone antennas – Annecy, Haute-Savoie, the Rhône-Alpes region, France.
- Johan Bonander, Clergyman, freelance journalist in areas such environmental, health psychology and Christian faith. He is Secretary of [Östmarks Fiber ekonomisk förening / Östmarks Fiber Cooperative Society](#) – Östmark, Torsby Municipality, Värmland County, Sweden.
- [Sissel Halmøy](#), Master of Science Cybernetics, Chair [International EMF Alliance \(IEMFA\)](#) and Secretary General of the [Folkets strålevern / Citizens' Radiation Protection](#) – Norway.
- [Ellen K. Marks](#), as Director and on behalf the [California Brain Tumor Association](#) – California, USA.
- [Brian Stein](#), as Chair and on behalf of [EM Radiation Research Trust \(RRT\)](#) – England, United Kingdom.
- [David Barcenilla Asensio](#), as President of the [Agrupación de Asociaciones Vecinales de Cáceres](#) / the Federation of Neighbourhood associations of Cáceres – Cáceres, Extremadura, Spain.
- Juan Asensio Moreno, on behalf of the [Asociación de Vecinos del Poble d'Ortells / the Poble d'Ortells Neighbourhood association](#) – Morella, Castelló, Valencian Community, Spain.
- Manuel Prieto, on behalf of the [Asociación Vecinal Rondilla](#) / the “Rondilla” Neighbourhood association of Valladolid – Valladolid, Castile and León, Spain.
- The Directive Group of the [Associació Castelló Sense Soroll / the Castellón Association against noise](#) – Castelló, Valencian Community, Spain.
- Rafaela Amezcua Casas, on behalf of the [Asociación de Vecinos de Favara / the Favara Neighborhood Association](#) – Valencia, Valencian Community, Spain.
- The Directive Group of the [Asociación de Vecinos las Musas / the Las Musas Neighbourhood Association](#), in Madrid district of San Blas – Madrid, Spain.
- Xosé Miguel López Pérez, on behalf of the [Asociación Veciñal de Esteiro / the Esteiro Neighbourhood Association](#) – Ferrol, A Coruña, Galicia, Spain.

- Carlos Javier Martín Sánchez, on behalf of the [Asociación en Defensa del Río Alberche \(ADRA\)](#) / – the Association in defence of the Alberche River – Madrid, Spain.
- Francisco Caño Sánchez, as Environmental Manager and on behalf of the [Federación Regional de Asociaciones de Vecinos de Madrid \(FRAVM\)](#) / the Regional Federation of Neighborhood Associations of Madrid – Madrid, Spain.
- Jesús Abad Soria, on behalf of the [Asociación Geográfica Ambiental](#) / the Geographic Environmental Association – Solosancho, Avila, Castile and León, Spain.
- Luisa Feliu Rius, on behalf of the [INDIA asociación](#) / the Initiative Nobody Damaged no more by Irradiation of Antennas – Girona, Catalonia, Spain.
- Carlos Requejo, as Vice-President and on behalf of the [DOMOSALUD - Asociación Ciudadana por la Salud Ambiental](#) / the Citizens Association for Environmental Health – Barcelona, Catalonia, Spain.
- Alberto Andrés Casado, on behalf of the [Asociación para la Defensa de la Sanidad Pública de Aragón](#) / the Aragón Association for the Defence Public Health – Zaragoza, Aragón, Spain.
- The Directive Group of the [Asociación Vecinal Actur Rey-Fernando](#) / the Neighbourhood Association in Zaragoza district of Actur Rey-Fernando – Zaragoza, Aragón.
- Pilar Diego, on behalf of the [Plataforma contra la Especulación Urbanística y Ambiental de Candeleda](#) / the Platform against Urban and Environmental Speculation of Candeleda – Ávila, Castile and León, Spain.
- The Directive Group of the [Asociación Vecinal “Cárcavas San Antonio”](#) – Hortaleza- Madrid / the Neighbourhood Association of the “Cárcavas San Antonio” in Madrid district of Hortaleza – Madrid, Spain.
- Enrique García, on behalf of the [Asociación Vecinal “Aires Nuevos](#) of Getafe / the Getafe Centre Neighbourhood Association called “Aires Nuevos” – Getafe, Madrid, Spain.
- Manuel Campón, as president and on behalf of the [Asociación Vecinal “Antonio Canales” de Cáceres](#) / the Antonio Canales Neighbourhood Association of Cáceres – Cáceres, Extremadura, Spain.
- Alejandro Arizkun, on behalf of the [Ekologistak Martxan de Iruña](#) / the Ecologists in Action of Iruña – Pamplona-Iruña, the Basque Country, Spain.
- Joaquin Espinazo Gonzalez, on behalf of the [Asociación de Fibromialgia, Síndrome de Fatiga Crónica y Síndrome de Sensibilidad Química Múltiple de Navarra \(AFINA\)](#) / the Navarran Association of Fibromyalgia, Chronic Fatigue Syndrome and Multiple Chemical Sensitivity – Zizur Mayor, Navarra, Spain.
- The Directive Group of the [Ecologistas en Acción de Tudela](#) / the Ecologists in Action of Tudela – Tudela, Navarra, Spain.
- Pedro Belmonte Espejo, on behalf of the [Ecologistas en Acción Región Murciana](#) / the Ecologists in Action of the Murcia region – Murcia, Spain.
- The Directive Group of the [Coordinadora El Rincón-Ecologistas en Acción LA OROTAVA](#) / the Ecologists in Action of the Orotava – Orotava Valley, Tenerife, the Canary Islands, Spain.

- [María José Moya Villén](#), as creator and webmaster of “[Mi estrella del mar](#)”, pioneer Blog in Spain dedicated to bring awareness on Multiple Chemical Sensitivity (MCS) issue – Madrid, Spain.
- The Directive Group of the [Ecologistas en Acción Estella-Lizarra](#) / the Ecologists in Action of Estella-Lizarra in Navarra – Lizarra, Navarra Spain.
- The Directive Group of the [Ecologistas en Acción de Burgos](#) / the Ecologists in Action of Burgos – Burgos, Castile and León, Spain.
- Antonio Amarillo, as president and on behalf of the [Asociación Ecologista “Jaedilla”- Ecologistas en Acción de Arahal](#) / the Ecologists in Action of Arahal – Seville, Andalucia, Spain.
- Javier Escudero Gonzalez, as Coordinator and on behalf of the [Ecologistas en Acción Palencia](#) / the Ecologists in Action of Palencia – Palencia, Castile and León, Spain.
- Andrés Canales, on behalf of the [SFC-SQM MADRID - Asociación de Afectados por síndrome de fatiga crónica y por síndrome de sensibilidad química múltiple](#) / the Madrid Association of People Affected by chronic fatigue syndrome and multiple chemical sensitivity syndrome. He is the EHS member of their Board – Madrid, Spain.
- Fernando Ocampo, on behalf of the [Federacion Vecinal de Ferrol Roi Xordo](#) / the “Roi Xordo” Federation of the Ferrol Neighbourhood Associations and as President the [Asociación de Vecinos ENSANCHEA](#) / the Ensanchea Neighbourhood Association – Ferrol, A Coruña, Galicia, Spain.
- Alberto Navazo, on behalf of the [Asociación Vecinal Monte Carmelo](#) / the Monte Carmelo Neighbourhood Association, in the Fuencarral-El Pardo district of Madrid, Spain.
- Maria Rosa Arregui, on behalf of the [Asociación Vecinal “La Flor”](#) / the Barrio del Pilar Neighbourhood Association – the Fuencarral-El Pardo district of Madrid, Spain.
- María Alonso, on behalf of the [Asociación de madres y padres “Surco” del Colegio Público Emilio prados de Sevilla](#) / the Fathers and Mothers Association of Emilio Prados School – Seville, Andalucía, Spain.
- Elena Navarro, as president and on behalf of the [Plataforma Nacional para la FM, SFC, SQM, reivindicación de derechos](#) / the Spanish Platform for Fibromyalgia, Chronic Fatigue Syndrome and Multiple Chemical Sensitivity, vindication of rights – Madrid, Spain.
- Jose Manuel Lopez-Menchero Gonzalez, on behalf of the “[Enarmonía Salud Geoambiental](#)” and as Coordinator of the [Escuelas Sin Wifi de Andalucía](#) (Fundación Vivo Sano) / school without Wi-Fi of Andalucía (Vivo Sano Foundation) – Seville, Andalucía, Spain.
- Vicente García Álvarez, on behalf of the [Asociación Leonesa Contra las Ondas Electromagnéticas \(ALCOE\)](#) / the Lion Association against electromagnetic waves – León, Castile and León, Spain.
- The Directive Group of the [Asociación para a Defensa Ecolóxica de Galiza \(ADEGA\)](#) / The Association for Ecological Protection of Galicia – Santiago de Compostela, Galicia, Spain.
- M^a Belén Bausela Magdaleno, on behalf of the [Asociación de Madres y Padres del IES Ribera de Castilla](#) / the Fathers and Mothers Association of Ribera de Castilla School –

Valladolid, Castile and León, Spain.

- Pepita Costa Tur, as president and on behalf of the [Federación de Asociaciones de Padres de Alumnos de la isla de Eivissa, FAPA Eivissa](#) / the Federation of Father and Mother Associations of the island of Ibiza – Ibiza, the Balearic Islands, Spain.
- Maria José Gomez, as president and on behalf of the FAPAVA - [Federación Provincial de Asociaciones de Madres y Padres de Alumnado de Centros Públicos de Valladolid](#) / the Valladolid Provincial Federation of Father and Mother Associations of Public primary and secondary schools – Valladolid, Castile and León, Spain.
- Servando Pérez Domínguez, as president and on behalf of the [MERCURIADOS](#) - Asociación Española de Afectados por Mercurio de Amalgamas Dentales y Otras Situaciones / the Spanish Association of Affected by Mercury in Dental Amalgam and Other Situations – Teo, A Coruña, Spain.
- Maria Isabel Martinez Calabuig, on behalf of the [AAVV Rosas-Rafael Atard y Adyacentes de Manises](#) / the Rosas-Rafael Atard (and adjacent areas) Neighbourhood Association in Manises – Manises, Valencia, Spain.
- Pilar Martín Coruña, as President and on behalf of the [Federación de Asociaciones vecinales de la Comarca del Bierzo](#) / the Federation of the Bierzo region Neighbourhood Associations – Ponferrada, León. Castile and León. Spain.
- Frank Herdegen, German [EMF/EHS activist](#)– Steinbach, Hochtaunuskreis, Germany.
- Walter Gebhard, Prof. Dr. Founding member (along with Klaus H. Kiefer) of the Carl Einstein Society (1986). Founding member and Chairman of the humanitarian association training assistance to support the youth of the third world (1981). – Bayreuth, Bavaria, Germany.
- Ángel Bayón, as Coordinator the [Comisión estatal de contaminación electromagnética de Ecologistas en Acción](#) / the Spanish Confederate Commission of electromagnetic smog of Ecologists in Action and as one of Castile and León Coordinator of the [PECCEM](#) (the Spanish State Platform Against Electromagnetic Pollution) – Valladolid, Castile and León, Spain.
- Eduard Antequera, as President and on behalf of the [Asociación ENSALUT](#) / ENSALUT Association of Catalonia and as Catalonia Coordinator of the [PECCEM](#) – Barcelona, Catalonia, Spain.
- Jose Luis Martin, on behalf of the [Coordinadora Vasca de Afectad@s por Campos Electromagnéticos \(EKEUKO-COVACE\)](#) / the Basque Coordinator Affected by Electromagnetic Fields. He is one of the Basque Country Coordinators of the [PECCEM](#) – Basauri, Biscay, the Basque Country, Spain.
- Irune Ruiz, on behalf of the [SOS Electrohipersensibilidad - Enfermedades Ambientales de Sensibilización Central \(SOS EHS-EASC\)](#) / the SOS Electromagnetic hypersensitivity - Environmental Diseases of Central Sensitization. He is contributor to the development of the ECI Manifest as one of the Basque Country Coordinators of the [PECCEM](#). She is also member of the [EKEUKO-COVACE](#) and the [Spanish Confederate Commission of electromagnetic smog of Ecologists in Action](#) – Basauri, Biscay, the Basque Country, Spain.
- Fini Manso, as webmaster of [“Radiaciones electromagnéticas fuera de Ferrol”](#)/ Electromagnetic radiation out of Ferrol. He is contributor to the development of the ECI

project as one of the Galician Coordinators of the [PECCEM](#) – Ferrol, A Coruña, Galicia, Spain.

- Carmelo Santolaya, as President and on behalf of the [Asociación de Afectados de Navarra por Campos Electromagnéticos \(ASANACEN-EEKNE\)](#) / the Navarra Association of Affected by Electromagnetic Fields. He is the Navarra Coordinator of the [PECCEM](#) – Navarra, Spain.
- Pedro Belmonte as member of the [Spanish Confederate Commission of electromagnetic smog of Ecologists in Action](#), and the Coordinator of the [PECCEM](#) of the Region of Murcia – Murcia, Spain.
- Yolanda Barbazan, on behalf of the [Comisión de contaminación electromagnética de la Federación Regional de Asociaciones Vecinales de Madrid \(FRAVM\)](#) / the Commission of electromagnetic smog of the Regional Federation of Madrid Neighbourhood Associations. He is one of the Madrid Coordinators of the [PECCEM](#) – Madrid, Spain.
- Minerva Palomar, as President and on behalf of the [Electrosensibles por el Derecho a la Salud \(EDS\)](#) / the electrosensitive for the Right to Health. He is one of the Madrid Coordinators of the [PECCEM](#) – Madrid, Spain.
- Juan Manuel Puértolas, on behalf of [the Asociación Independiente para Defender la Salud \(ASIDES\)](#) / the Independent Association to Defend the Health of Aragón. He is the Aragón Coordinator of the [PECCEM](#) – Zaragoza, Aragón, Spain.
- Rubén García, on behalf of the [Plataforma Asturiana Escuela sin Wi-F](#)/ the Asturian platform school without Wi-Fi. Cangas de Narcea. He is the Asturian Coordinator of the [PECCEM](#) – Cangas de Narcea, Asturias. Spain.
- José F. Ortega, as Secretary and on behalf of The [Faculty of Education of The University of Murcia](#) - Murcia, Spain.
- Purificación Pomares Cereceda, as secretary-administrator and on behalf of Reyes Catolicos residents' association of the Orihuela - Murcia, Spain
- José Francisco Caselles Pérez, as spokesman of [Plataforma Oriolana Contra las Antenas de Telefonía Móvil -POCAT-](#) / Orihuela Platform Against Mobile Phone Antennas - Murcia, Spain.
- Rosa Pérez Tomás, as President and on behalf of the Asociación IMAGINAmurcia - Murcia, Spain.
- Pierre Le Ruz, as president and on behalf of the [CRIIREM](#) Centre de Recherche et d'Information Indépendante sur les Rayonnements Electromagnétiques / Center of Research and Independent Information about electromagnetic waves- 72000 Le Mans, France
- Janine Le Calvez, as president and on behalf of the [PRIARTEM](#), Association ayant Pour but de Rassembler Informer et Agir sur les Risques liés aux Technologies ElectroMagnétiques / French Association for information and action on the risks concerning electromagnetic technologies - 75010 Paris, France
- Sophie Peletier, as Spokerperson for «[Collectif des Electrosensibles de France](#)» / Electrosensitivity of France (PRIARTEM member), French Association to the recognition and protection of electrosensibles people. - 75010 Paris, France

- Etienne CENDRIER, as national Spokerperson of the [ROBIN des TOITS](#), Association Nationale pour la Sécurité Sanitaire dans les Technologies sans fil / French National Association for Health Security in Wireless Technologies - 75008 Paris, France.
- Philippe Tribaudeau, as president and on behalf of [Une Terre pour les Electrosensibles](#) / A land of the EHS French Association for the recognition of EHS and the provision of "white areas" - Souvestrière, 26410 BOULC, France.
- Dominique Souillac, as president and on behalf [EHS France](#) / France EHS, Association for the recognition of the electrosensibility and the protection of the electrosensitive people – France.
- [Alasdair Philips](#), as director and on behalf of the [Powerwatch](#) – United Kingdom.
- Elidia Da Silva and Emeline Aubert Dozeville, on behalf of the [EMOV mouvement des Victimes des Ondes ElectroMagnétiques](#) – France.
- Margaret Cousins, as Chair and on behalf of [Irish Electromagnetic Radiation Victims Network](#) (IERVN) – Ireland
- Frank Berner, as president and on behalf of [Elektrosensible und Mobilfunkgeschädigte.V.](#) – Munich, Bavaria, Germany.
- [Ethna Monks](#), as an electro-sensitive artist in Ireland, member of the Irish Electromagnetic Radiation Victims Network (IERVN) and [International Gallery of Electro-Aware Artists](#) - Wexford, Ireland
- Joern Gutbier, as president and on behalf of [Diagnose: funk](#) – Germany.
- [Paulo Vale](#), PhD in Biology, on behalf “[Movimento para a Prevenção da Poluição Electromagnética](#)”. He is one of the contributors to the development of the ECI Manifest as Portuguese EHS activist and webmaster of <http://electrosensibilidade.blogspot.com.es> – Lisbon, Portugal.
- Carlos Martínez Camarero, on behalf of the [Confederal secretariat of the occupational health and the environment of the “Comisiones Obreras” \(CCOO\) Trade Union Confederation](#) – Spain.
- Samuel Fernández, as secretary-general and on behalf of the “[Corriente Sindical d’Izquierda](#)”, Asturian Trade Union – Spain
- Julio Salazar, as secretary-general and on behalf of the [Asturian Regional of the “Unión Sindical Obrera” \(USO\) Trade Union](#) – Spain.
- Liliana Palancio, as president and on behalf of [Asociación Civil Aletheia por la vida](#) / Civil Association "Aletheia in favor of life" – La Plata, Province of Buenos Aires, Argentina.
- [Sara García Cabrero](#), on behalf of the [Health and Safety Board of the “Unión Sindical Obrera” \(USO\) Trade union Confederation](#) – Spain.
- [Domingo Jiménez Beltrán](#), as President of “[Fundacion Renovables](#)” / Spanish Foundation promoting renewable energy. The former Executive Director of the **European Environment Agency** (1994-2002). Industrial engineer. Lecturer on the master's programme on public policies, Pompeu Fabra University (Barcelona). Trustee of the Institute for European Environmental Policy (IEEP). Trustee of the Institute for European Environmental Policy

(IEEP). In 2005, he founded and was Director of the Observatory on Sustainability in Spain. 2007 Spanish National Extraordinary Environmental Award. See more: [1](#) and [2](#) – Murcia, Spain.

- Margarita Trasancos Bimendi on behalf of the Permanent Commission of the [Sindicato Unitariu y Autónomu de los Trabajadores de la Enseñanza d'Asturias](#) / Asturian Teacher's Trade Union – Avilés, Asturias, Spain.
- The Directive Group of [Federación de Asociaciones de madres y padres de alumnos/as de Centros públicos de Gijón y Carreño](#) (FAPAS Xixón) / the Federation of parents' associations of Gijón and Carreño public schools (Asturias) – Gijón, Asturias, Spain.
- Kate Kheel, as director and on behalf of [Maryland Smart Meter Awareness](#), education and advocacy working to protect public health– Maryland, USA.
- Francisco San Pablo Vallana, as president and on behalf of Directive Group of [Asociación de Madres y Padres del Instituto de Educación Secundaria Rey Carlos III de Águilas](#) (Murcia)/ parents' associations of the Secondary Education School REY CARLOS III in Águilas – Águilas, Murcia, Spain.
- [Koldo Morales Velda](#), as president and on behalf of ERRONDAGANE, **Asociación de Madres y Padres del Instituto de Educación Secundaria Solokoetxe (Bilbao)** / parents' associations of the Secondary Education School Solokoetxe in Bilbao – Bilbao, the Basque Country, Spain.
- Nora Onaindia, ELA-STV environmental technician, on behalf of Eusko Langileen Alkartasuna - Solidaridad de los Trabajadores Vascos ([ELA-STV](#)) / Basque trade union ELA-STV.
- María Dolores Muñoz Fernández, as president and on behalf of **Asociación de Madres y Padres del Instituto de Educación Secundaria “El ALBA” (Yecla, Murcia)** / parents' associations of the Secondary Education School “El ALBA” of Yecla – Yecla, Murcia, Spain.
- Josefa Morales González, as president and on behalf of Directive Group of [Federación de Asociaciones de madres y padres de alumnos de Águilas](#) (Murcia) / the Federation of parents' associations of Águilas – Águilas, Murcia, Spain.

The first signatories / other people and organizations

- Toni Roderic, as Organizational Secretary and on behalf of the [Confederación de Los Verdes de España](#) / the Spanish Confederation of Greens and as President of [Els Verds del País Valencià \(EVPV\)](#) / the Valencian Federation of Greens – Denia, Alicante, the Valencian Country, Spain.
- Joan Carles Andrés Raga, on behalf of the electoral coalition [Compromís per Aldaia](#) – Valencia, Spain.
- Il Federal Assembly of [EQUO](#). Spanish member of the European Green Party.
- Michèle Rivasi, as French Member of European Parliament ([Europe Écologie – Les Verts](#)). He is Vice-Chair of the Group of the [Greens/European Free Alliance](#), Vice-president of the [CRIIREM](#), and Associate Professor of Biology at École Normale Supérieure in Valence. Expert in radiation protection, electromagnetic fields, major environmental issues and their

relationship to public health. Founder and former President of [CRIIRAD](#), former director of [Greenpeace France](#), co-founder of the [vigilance Observatory and green alert](#) – France.

- Carmen Comes Paredes, as spokeswoman and on behalf of the Executive Board of the [VERDS EQUO Aldaia](#) – Aldaia, Valencia, Spain.