



REMA- Spanish Network for Alternatives to Animal Experimentation

REMA ACTIVITIES REPORT 2010-2011

The main activities of REMA in the dissemination, promotion, cooperation, validation and participation in R + D + i are as follows:

1. DISSEMINATION OF ALTERNATIVES

Rema alternative news broadcasts using new information technologies and communication:

1. The **website** contains a wealth of REMA-date information on alternatives, as well as links to other sources.



2. The fortnightly **News REMA Bulletin**: A system of news on alternatives distributed by e-mail that meet the high demand of information on alternatives by sending e-mails fortnightly to all concerned with news and regulations.

3. The **forum 3ERRES**: it is an international forum created in 1996 for discussion and dissemination of information in Spanish about the use of alternatives in teaching, testing and biomedical research and environmental (or alternative 3Rs). It has over 400 subscribers from 14 countries.



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4. Presence in **social media**: REMA has undertaken various activities to promote alternatives through social media, such as:

04/02/2011 ABC. Guillermo Repetto in Animal Experimentation Network

Diario de Sevilla 15/02/2011. Alternatives to animal experiments

21/02/2011 El Correo de Andalucía. A professor asks how to research without animals

5. **Talks in schools, institutes, etc.:**

In 2010 the activity was conducted to the Humane Society of the Community of Madrid.

6. **At the university level:**

- Fourth Conference on the new rights: the rights of animals?. School of Law. University of Valencia. Alternative methods to animal testing. Maria Jose Gomez-Lechon. 2010.
- Roundtable: "Alternatives to animal testing in safety testing of drug development" at the Sixth Congress of Students of Pharmacy at the University Miguel Hernandez with the collaboration of REMA and Toxicology Unit of the Institute of Bioengineering . San Juan, Alicante. Participants: Maria Jose Gomez Lechon, Nicolas Fabre, Alberto Díez Michelena, Jose Antonio Perez de Gracia and Eugenio Vilanova. 2010

2. PROMOTION OF ALTERNATIVES

2.1. Support for researchers

- Meeting ICLAS Spanish Committee (CE ICLAS), with the participation of Argelia Castaño. 12.05.2011

2.2. In general Workshops:

Rema Organizes broadcast alternatives such as:

- V REMA Workshop. In Vivo models and alternatives in biomedical research. Perspectives on the new European legal framework. Pamplona. Faculty of Pharmacy, University of Navarra. 04.05.2011



2.3. At scientific conferences:

REMA organizes and collaborates on advocacy in science such as:

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- IUTOX-2010, XII International Congress of Toxicology, Barcelona, 2010, organized by E Vilanova. REMA organized the session "Global Impact of the 3R strategy on the Regulatory process: sharing Experiences and future trends", "moderated by Argelia Castaño and in which spoke, Adela Lopez, Pilar Prieto and other internationally renowned experts,"
- "LRI Long Range Research Initiative," a technical and financial instrument CEFIC for R & D poison in Spain. Conference organized by FEIQUE, AETOX, REMA, CSIC and LRI. 2010, Madrid, attended by de la Peña E, G Repetto and JA Vericat
- The ban on testing cosmetic ingredients on animals in 2013, round table organized by GTEMA / AETOX in partnership with REMA and STANPA in the XIX Spanish Congress of Toxicology, Vigo, 07.27.2011



- Seminar .- Eduardo de la Peña de Torres, in the Faculty of Medicine, National University of Colombia. on "Toxicological Studies, mutagenic, carcinogenic and toxic to reproduction, and alternative methods." Bogota, 02/05/2011
- Lecture by Eduardo de la Peña de Torres, in the Master of Toxicology, University of Cartagena de Indias, Colombia on "Alternative Methods" at the Faculty of Medicine, Cartagena de Indias, 05.02.2011
- Expert Course in the safety assessment of cosmetic products, Universidad San Pablo CEU, Carr, Madrid, May 30 to June 3, with the collaboration of REMA. 06.04.2011 .-
- Expert Course on Safety Assessment of Cosmetic Products of San Pablo CEU University, Madrid, with the participation of Argelia Castaño, Guillermo Repetto and Eugenio Vilanova. 01.9.2011 .-
- Eduardo de la Peña gave a lecture entitled "Toxicological Evaluation in the REACH and Development of Alternative Methods to Animal Testing at the Centre for State Control of Drug Quality in Cuba. 01.12.2011 .-
- M^a José Gómez Lechon participating in the Master of Molecular Biotechnology. University of Barcelona. Using cell models for assessing toxicity and metabolism. Barcelona, 09/11/11

3. COOPERATION WITH THE AUTHORITIES

REMA advises various government authorities on alternatives and toxicological evaluation, particularly in the regulations on cosmetics and industrial compounds such as the Ministry of Environment and Rural and Marine Affairs, the Ministry of Health, Social Policy and Equality and the Ministry of Science and Innovation in the following cases:

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- Signed a Cooperation Agreement between the Ministry of Environment and Rural and Marine Affairs, and REMA for cooperation on alternatives to animals for experimental and other scientific purposes. 13.10.2011



- Meeting at the Ministry of Environment and Rural and Marine Affairs to discuss the implementation of Directive 2010/63/UE on the protection of animals used for scientific purposes, with the participation of Argelia Castaño and Adela Lopez Cerain in representation of REMA 2011
- Meeting at the Ministry of Environment and Rural and Marine Affairs to discuss the implementation of Directive 2010/63/UE on the protection of animals used for scientific purposes, with the participation of Argelia Castaño on behalf of REMA. 20.01.2011
- Advise to the Ministry of the Environment on the first consultation of the European Commission to the National Contact Points on Alternatives to Animal Testing, responsible for the European Network for the Preliminary Evaluation Regulatory Relevance (PARERE) 2011

4. TRAINING ACTIVITIES ON ALTERNATIVES

REMA directly organizes and participates in training activities aimed at experimenters alternatives and members of ethics committees in universities, laboratories and research centers:

4.1. Organized by REMA:

IV REMA Course. Pre-Congress Course "Evaluation of Drugs Without animals", IUTOX-2010, XII International Congress of Toxicology, Barcelona, 2010



4.2. In cooperation with other entities:

- REMA is associated in the organization of the International Master in Toxicology, a prestigious international training program graduate distance lead by Prof. Dr. Manuel Repetto, organized by the Official College of Chemists of Sevilla

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- Argelia Castaño participates in the Master in Therapeutic Targets Cell Signaling: research and development. University of Alcalá de Henares. 2009-2010.
- Seminars "ADME-Tox: New Strategies." ADVANCELL, with the participation of JV Castell and JA Vericat. 2010
- Eduardo de la Peña has been involved with the theme "Alternative Methods in Legislation on animals used for scientific purposes" in the Roundtable on Alternative Methods in Scientific experimentation, organized at the University of Valparaiso, Chile. 11/11/2010
- Expert Course on Safety Assessment of Cosmetic Products, San Pablo CEU University, Madrid, with the participation of Argelia Castaño, Guillermo Repetto and Eugenio Vilanova. 2011
- Dr de la Peña gave a lecture entitled "Toxicological Evaluation in the REACH and Development of Alternative Methods to Animal Testing at the Centre for State Control of Drug Quality in Cuba. 2011
- Expert Course in safety assessment of cosmetic products, Universidad San Pablo CEU, Madrid, in collaboration with REMA and with the participation of Argelia Castaño, Guillermo Repetto and Eugenio Vilanova. 01.06.2011

4.3 In animal protection courses

- Argelia Castaño participates in the training course for experiments in laboratory animal science. Category B Institute of Health Sciences of Castile and Leon. Salamanca: 2010.
- Argelia Castaño participates in the course "Alternative methods: Theory and Practise" Category C course. English CNIO 4 hours. 2010 CNIO Madrid
- Argelia Castaño participates in the training course on laboratory animal science. Category B Institute of Health Sciences of Castile and Leon. Salamanca: 31-1-2011
- Argelia Castaño participates in the course for the formation of personnel responsible for animal procedures. Category B. University of Alcalá, 6-10-11.
- Eugenio Vilanova participates in the course of experiments (B) and charge (C) "aimed at training and accreditation for animal experimentation," 3ERs ", Universidad Miguel Hernández de Elche, 6-2010
- Eugenio Vilanova participates in the course of experiments (B) and charge (C) "aimed at training and accreditation for animal experimentation," 3ERs ", Universidad Miguel Hernández de Elche, 6-2011
- Adela Lopez participates in the course Cerain animal experiments (Category B) - University of the Basque Country 6-2011
- Argelia Castaño participates in the XVIII Course on Laboratory animal technician. Category B, CSIC, Madrid, 2-6-2011
- Argelia Castaño participates in the course for the formation to carried out experimental procedures with animals. Hospital Universitario La Paz. Category B.17-11-11

5. ACTIVITIES ON THE VALIDATION OF ALTERNATIVES

Validation is a process that particularly affects procedures applied in the assessment of product safety. This is carried out by toxicologists, and REMA have leading experts in this area. Several members of the Board of REMA participate in expert committees and working groups on validation of alternatives, at the request of both the European Centre for Validation of Alternative Methods or the European Commission:

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- Pilar Prieto, is a member of the European Centre for the Validation of Alternative Methods, and member of REMA
- Pilar Prieto and Guillermo Repetto participate in the meetings of the Working Group of the European Commission on the availability of alternative methods in the evaluation of Cosmetic Products. 2010
- Meeting of the National Contact Points on Alternatives to Animal Testing, responsible for the European Network for the Preliminary Evaluation Regulatory Relevance (PARERE), European Commission, JRC, Ispra, Italy, Spain being represented by Pilar León (MARM), advised by Guillermo Repetto, President of REMA . 05.25.2011

6. PARTICIPATION IN R + D + i PROJECTS

REMA has been involved from different angles in national and European research and development projects for the promotion and dissemination of alternatives:

- EUROECOTOX (European Network for Alternative Testing Strategies in Ecotoxicology) expert meeting, Leipzig, Germany, with the participation of Guillermo Repetto on behalf of REMA, 17-18/10/11

7. REMA AS FOUNDER MEMBER OF ECOPA

The European Consensus Platform on Alternatives (*ecopa*) is an initiative to link the national platforms of European countries that accept the principles of the 4 parts: the industry, the scientific, the administration and social movements.

ecopa was established in 2002 as a European association of which form an integral part of national platforms that have a recognized and defined legal structure. REMA has been involved from the start in launching this initiative. By coordinating the efforts of the various platforms, ECOPA has become a recognized partner in the international arena.

- 12th *ecopa* Annual Workshop, The Future of the 3Rs – From Innovation to Validation, organised by REMA, Madrid. 11-11-2011



“THE FUTURE OF THE 3Rs – FROM INNOVATION TO VALIDATION”

12th *ecopa* Annual Workshop

11-11-11

Madrid, Spain, organized by

The Spanish Network for Alternatives to animal testing (REMA)



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ecopa Workshop Welcome: Jordi Estévez (REMA), Adela López de Cerain (*ecopa*), Esperanza Orellana, Deputy Director of Livestock Resources, Ministry for Environmental, Rural and Marine Affairs, Guillermo Repetto (REMA) and Nicolas Fabre (REMA).

REMA- the Spanish Network for the Development of Alternative Methods

REMA, the Spanish Network for the Development of Alternative Methods to animal experimentation, is a forum for meeting and dialogue between academia, industry, government and social groups interested in alternative methods to animal experimentation, including defense animal, in order to get a better and more effective application of the principles of reduction, refinement and replacement of animal use in experimentation.

REMA integrates and coordinates since **1999** the efforts of the **Industry**, the **authorities** and the **Society** (animal protection, consumers) with the **scientific world** to promote the development, validation, application and implementation of alternative methods, especially in vitro procedures, and encourages disclosure and dissemination of regulatory requirements and the progress achieved.

Representation and support of the four sectors involved is very broad, and REMA is supported by 20 scientific institutions in the world, among which may be highlighted by the Spanish Society for Laboratory Animal Science and the Spanish Association of Toxicology, 4 entities defending the rights of animals and 17 entities in the industry.

REMA activities

- REMA organizes, participates, supports and disseminates monographic seminars, courses, meetings and scientific conferences regularly, which will cover aspects related to the concept of the 3Rs: Reduction, Refinement and Replacement of animal use in experimentation.
- REMA **disseminates** information about alternatives through its Web portal (<http://www.remanet.net/>), with the News REMA Bulletin on alternatives conducts fortnightly dissemination of activities on alternatives email to interested persons, has an active discussion forum and discussion of alternatives called 3ERRES with over 400 subscribers from 14 countries and works with social media.

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- REMA **promoted** alternatives by awarding prizes and scholarships for attendance at conferences and meetings, has organized 7 REMA workshops on alternatives and has participated in more than 30 scientific activities.
- REMA **advises** various government authorities on alternatives and toxicological evaluation, particularly in the transposition of the Directive 2010/63/UE and the regulation of cosmetics and industrial compounds, such as the Ministry of Environment and Rural and Marine Affairs, the Ministry of Health, Social Policy and Equality and the Ministry of Science and Innovation.
- As **training** activities, REMA has organized 7 specific courses on alternatives, 3 of them international, and has participated in more than 45 courses on animal protection of several categories explaining the basic concepts and alternative strategies to identify the databases and disseminated alternative procedures. Since the entry into force of Royal Decree 1201/2005, REMA has participated in training courses for staff in all categories covered by FELASA (B, C and D) in different regions. These courses are aimed at experimenters, researchers, directors of animal facilities. These courses are aimed at researchers and members of ethic committees in universities, laboratories and research centers.
- Several members of the Board of REMA are experts in the **validation** of alternative methods, having participated in numerous workshops on validation at the request of the European Commission or the European Centre for the Validation of Alternative Methods to Animal Testing.
- REMA has been involved from different angles in 8 national **research projects** and European research promotion and dissemination of alternatives.
- REMA is a very active founding member of *ecopa*-the European Consensus Platform on Alternatives.



REMA Board

Information: Red Española para el Desarrollo de Métodos Alternativos a la Experimentación Animal: e-mail: remanet@remanet.net <http://www.remanet.net>

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