



EWWR good practices and case studies

1. Details of Action:

EWWR Organiser: Fundação Estadual do Meio Ambiente
Country/Region: Brasil/Minas Gerais
Name of nominated project developer: Fundação Estadual do Meio Ambiente
Name of nominated action: Diretrizes Legais e Tecnologias Específicas para Gestão de Resíduos
Place: Centro Mineiro de Referência em Resíduos
Town: Belo Horizonte
Region: Minas Gerais
Country: Brasil
Nominee **category**: Administration/public authority
Dates of action: 21st – 26th November 2010
Year: 2010

2. Please select the **theme(s)** highlighted in the action:

- Too Much Waste
- Better Consumption
- Better Production
- A Life for Products
- Less Waste thrown Away

3. Type of Action

- Action open to general public
- Action open to a target group
- Action based on the production of communication tools
- Other, please specify:



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4. Please give a detailed and precise description of the nominated action:

FEAM, in proposing this action, consisting of two complementary activities, sought to reach specific audiences: the business sector and the technical of companies, government agencies and NGOs that contribute significantly to the adoption of innovative measures that promote the reduction of waste production - whether in the productive sector, whether in action of the organs of control and environmental monitoring, but also by the organized society. This action was divided into two sub-projects / actions:

- 1) The International Seminar - Application of Steelmaking Slag
- 2) Seminar on State Policy and National Solid Waste regulation.

Regarding the first seminar, we believe that the steel slag is the industrial waste that today presents itself as a major problem related to solid waste management in Minas Gerais, according to the State Report of waste from the State of Minas Gerais. This is due to the large amount of waste that is generated and the difficulty of its subsequent use. Thus, the action was to hold a technical seminar with presentation and discussion of best international practices for the use of these residues (in agriculture, paving and construction of artifacts), as well as for improvements in the productive process aiming to reduce its generation. The seminar featured presentations by representatives from Japan, China, France, USA and Brasil, join the participation of private and public sectors.

Regarding the second seminar on National and State Solid Waste policies, FEAM discussed with professionals and government organizations, business and civil society, the politics of proper disposal of industrial and municipal waste - a environment major problem in Brazil and also Minas Gerais. Minas, through its Environmental Protection Agency (FEAM) is already developing actions with the municipalities so the wastes could be disposed properly and Minas Gerais has pioneered the establishment of a legal provision providing for the proper management of waste in 2009 - which at the federal level only come to occur in 2010 after nearly 20 years of debate in Congress. The recent National Waste Regulation, enacted in August 2010, provides that the dumps should be eradicated in four years. Thus the second seminar addressed the main regulatory frameworks and the obligations and opportunities that the law provides in terms of incentive to reduce waste generation, selective waste collection, recycling and energy recovery of waste. The seminar featured presentations by government representatives, federal, state and municipal representatives from the private sector in the areas of reverse logistics with successful experiences in the country, representatives of associations of collectors of recyclable aiming at social inclusion and agency representatives from public financing and economic instruments applicable to waste.

5. Please describe the target audience and how the action motivated its public/target audience, as well as the number of participants:

The seminars were attended by about 1,500 professionals in various technical sessions which were discussed the following topics: International Seminar "Steel Slag - World Overview", "Scene of steel slag in Brazil", "The potential marketing of the slag Steelmaking: past, present and future", "Applications of steel slag in cement", "Application in Agriculture", "Steelmaking Slag as Raw Material for Production of Soil Soil and Fertilizer", "Correction of Soil and Fertilizer produced the basic slag: Myths and Realities", "Agriculture Application", "Base and sub-base of roads", "Environmental aspects of the slag and experience in the study of slag as ballast", "institutional Harsco Presentation", "Implementation in construction", "Procedure for approval of application by the aggregate steel CETESB. National Seminar: We presented and discussed topics such as: "Lecture" Challenges and Opportunities", "National Law: Concepts, Principles and Fundamentals", "State Law: Concepts, Principles and Fundamentals", "Reverse Logistics: Good experiences with topics such as: "The experience of RECICLANIP: problems and results", "The experience of RECÓLEO: problems and results", "The Experience of the City of Canta Galo - RJ: problems and results", "Industrial Symbiosis Programme Miner", "Case Study in the Midwest Regional; 'Sustainable Mining and Solid Waste Management", "Social Inclusion"-" The Vision of the National Movement of Collectors, "" The Vision of Cataunidos "" The Vision of the Center for Excellence in Mining Waste, "Economic Instruments and Environmental Services - Development Bank of Minas Gerais", "Banco Nacional de Desenvolvimento Economico e Social," "Federal Savings", "Environmental Services Recycling" The subjects were motivators and generated opportunities for valuable discussions the stock split. It cites, for example, the Office of Sustainability, action conducted during the week, and consisting of a training program for municipalities participating in the National Seminar (about 90 city halls) and interested in starting the Management Plan for Solid Waste as provided in State Legislation



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6. Please explain why you have decided to nominate this action for a EWWR Award, following the main criteria listed here below (you can add your criteria if needed):

- 1) visibility and communicational aspects
- 2) good practice, originality and exemplarity
- 3) quality of content and focus on waste prevention,
- 4) European reproducibility
- 5) follow-up in long-term and lasting impact

The major reason for this choice of action, with its two activities, is due to the fact that it has reached its main objective to bring to the debate and process of decision making in regard to the policies of solid waste management cities and industries, the principal actors involved: government (state and municipal), state legislative, corporate moves and socials. The first seminar was a day of FEAM and 4 present the largest steelmakers in the state - USIMINAS, Arcelor / MITTAL, VALLOUREC / MANESMANN and Gerdau, a joint effort to normalize the actions aimed at reducing the generation of waste in steel works and its various uses and potential. Stands the importance of partnership between an environmental agency and the main generators of waste to setting the standards for the management of industrial waste, in terms of reduction and its parameters for later use. As a result of discussions, the President of FEAM, according to a cooperation agreement signed, issued the decree No. 417 of December 21, 2010, creating five (05) Working Groups with the aim of identifying potential need for studies, research, projects and standardization of utilization of steel slag for use in: a) flooring and coatings, b) agriculture, c) construction of artifacts, d) ballast e) manufacture of cement. These groups include the participation of representatives from government and steel companies and have a period of 180 days for completion of work. The Second Seminar was a joint FEAM and Ecologico Journal, the only national publication specializing in environment and sustainable development with great recognition and inclusion in the national media, in a joint effort to educate businesses, local governments and society to the need to promote a reduction in the generation of household waste and industrial segregation, recycling and final disposal of social inclusion to from the recovery of waste. We stress here the importance of involving municipal governments, the movement of recyclable material collector, highlighting the strong component of social inclusion of this action. On the second seminar, we had the practical results of the "Launching of Regionalization Plan for Integrated Solid Waste Minas Gerais", the "Award Presentation" Mine Waste Less "and" Book Launch: Dinâmicas e Instrumentação para Educação Ambiental, Professor Genebaldo Freire Dias. We emphasize that the discussions were attended by representatives of the Association of Municipalities, Association of Mining Municipalities, the National Transportation Confederation, Brazilian Association of Waste Management as well as participation of the public present. Therefore, we believe that this project meets the requirements: 1) high visibility, with a range at the national level, 2) best practices related to technological innovation, 3) quality of content and focus on prevention, 4) reproducibility, and 5) continuity actions over time with results that can be measured.

7. Please provide us with photos, videos, weblinks or any other material that would help the jury to better understand the nominated EWWR action. Where possible, provide basic translation into English.







