



CETESB
ENVIRONMENTAL AGENCY OF SAO PAULO STATE - BRAZIL
REGIONAL CENTER OF
STOCKHOLM CONVENTION FOR
LATIN AMERICA AND THE CARIBBEAN REGION

Eng . Msc. Lady Virginia Traldi Meneses



BRAZIL

Area: 8,511,965 sq. Km

Political divisions: 26 states and the Federal District

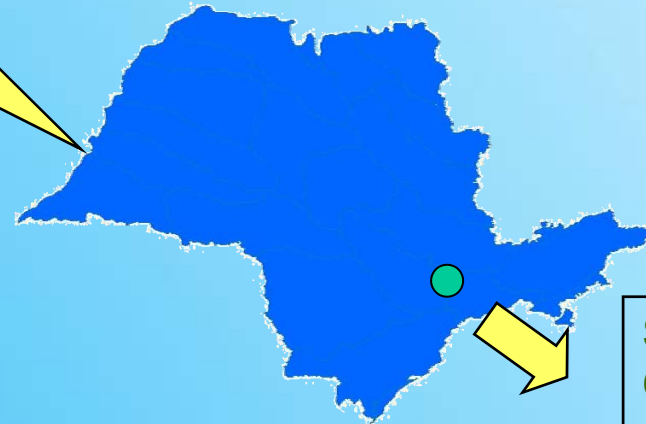
Coastline: 9,200 Km

Frontiers: All South America countries, except Chile and Ecuador

SAO PAULO STATE

Area : 248,000 sq. Km

Population: 40 million people



São Paulo
CAPITAL -
CETESB



SAO PAULO STATE

Area : 248,000 sq. Km

Population: 40 million people



SAO PAULO CAPITAL – CETESB



CETESB



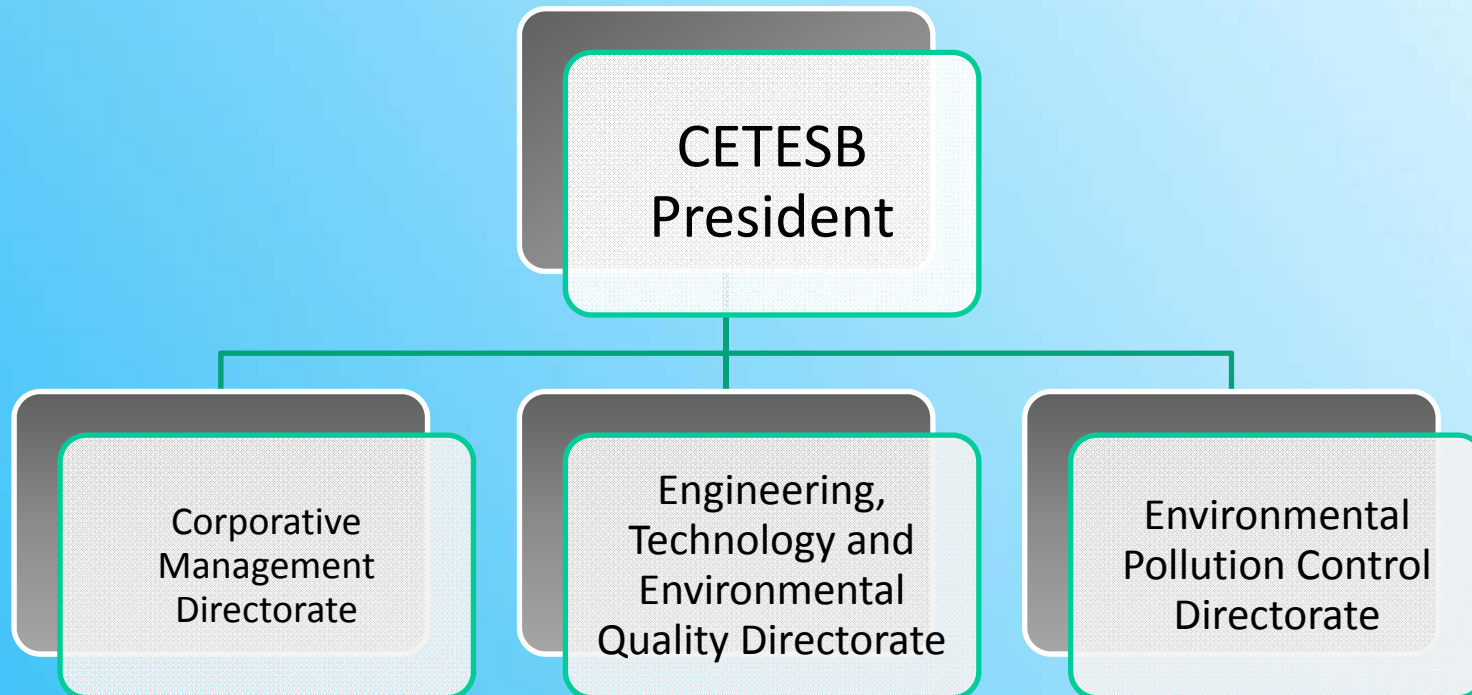


MISSION:

IMPROVE AND ASSURE THE QUALITY OF SÃO PAULO STATE'S ENVIRONMENT IN ORDER TO ACHIEVE SOCIAL AND ECONOMIC SUSTAINABLE DEVELOPMENT.



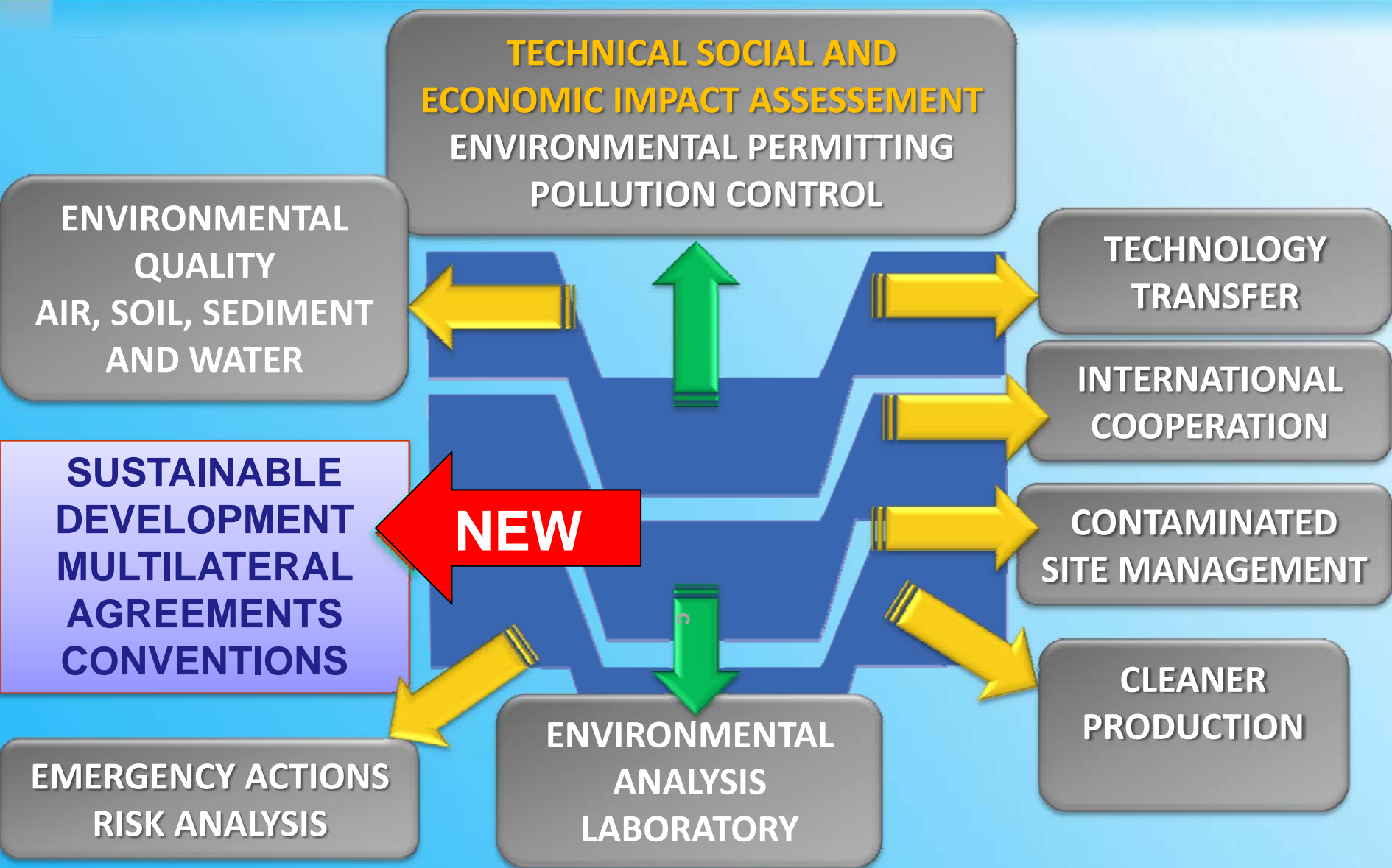
- ☐ 16 Reference Centres for the – UN
- ☐ one of the five reference institutions on issues like water supply and sanitation for the WHO.
- ☐ reference and advice centre of the UNDP on issues related to hazardous waste in GRULAC
- ☐ one of the three Collaborating Centers of PAHO / WHO, - to deal with emergencies in case of disasters.
- Greenhouse Gas- IPCC,
- ☐ it joins projects for the Clean Development Mechanism (CDM) of the Kyoto Protocol.
- ☐ One of the eight Regional Centres of Stockholm convention



Staff:

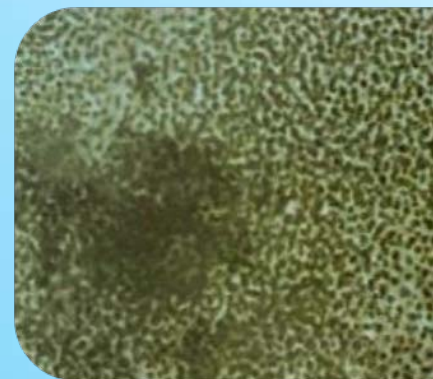
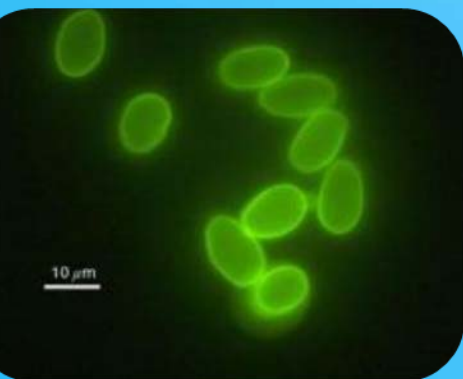
2041 employees - 54% university level (engineers, chemists, biologists, pharmacists, geologists, policy analysts, lawyers, computer specialists), 38% technicians and 8% operators.

37 regional offices and 15 labs across the State.



ENVIRONMENTAL LABORATORIES : STRENGTHENING LABORATORY CAPACITY →







ACTIONS AND HEALTH AND ENVIRONMENT RISK ASSESSEMENT



CONTAMINATED SITES AND SOLID WASTES

In the State of Sao Paulo currently has a set of tools that supports the management of contaminated sites

Nowadays, the State of São Paulo has identified 2,514 contaminated sites, But the most critical cases are associated with industrial activity, linked to the production process or the destination of their waste. Among these areas, 38 are contaminated by POP.

SOLID WASTE MANAGEMENT

CETESB's regulations focus on pollution control including solid waste minimization. As a result of this focus, business and medical establishments, industries, municipal environmental secretaries have been changing its strategies in order to avoid waste generation, to reduce the amount or toxicity of materials consumed, to maximize the use of materials, to establish procedures to segregate and recycle waste materials and dispose using technologies that may lead to energy and material recover alongside, with the safe destruction of pollutants and toxic substances.



STRENGTHEN REGULATORY CAPACITY : REGULATION AND GUIDELINES

ENVIRONMENTAL PERMITTING AND POLLUTION CONTROL

- ❑ ENVIRONMENTAL PERMITTING**
- ❑ CONTROLS**
- ❑ ENFORCES REGULATIONS**
- ❑ MONITORS**
- ❑ FINES ON SOURCES OF POLLUTION.**
 - ❑ 2008: MORE THAN 35.000 PERMITS. INCLUDING PRE-OPERATION, INSTALATION AND RENEWALS**

PERMITTING - BASED ON SEVERAL CRITERIA:

- ❑ PROCESSES**
- ❑ TECHNIQUES OR PRACTICES THAT AVOID THE FORMATION OR RELEASE POLLUTANTS**
- ❑ HEALTH RISK ASSESSEMENT FOR SIGNIFICANT SOURCES OF POLLUTION.**



STRENGTHEN REGULATORY CAPACITY : REGULATION AND GUIDELINES

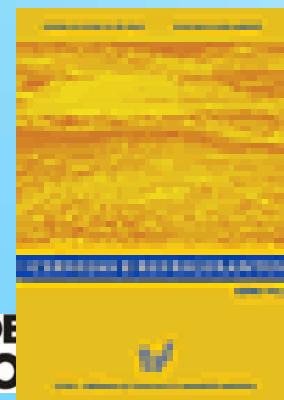
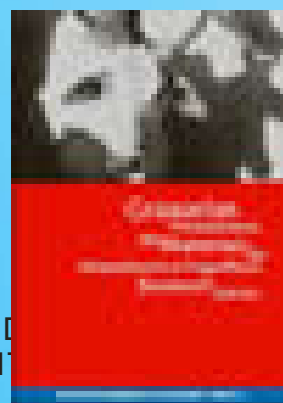
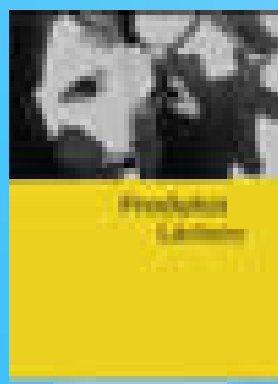
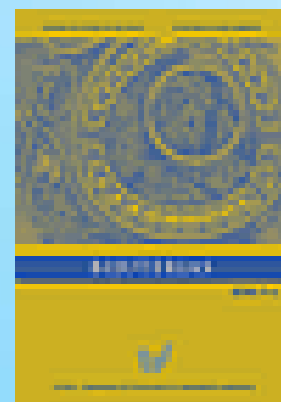
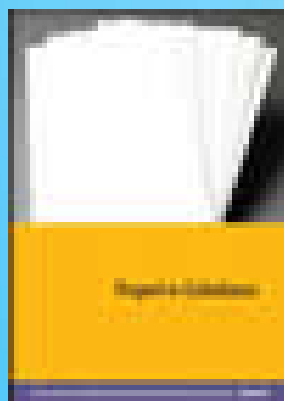
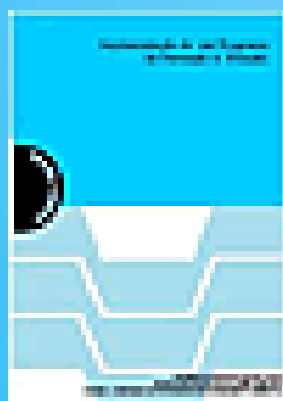
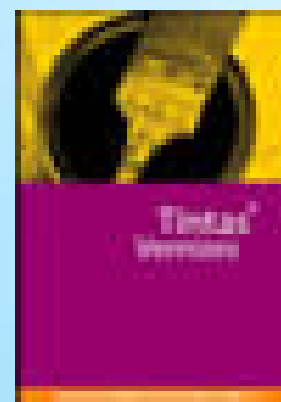
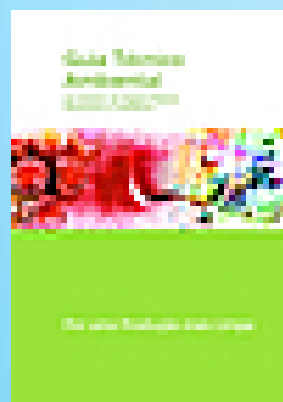
CLEANER PRODUCTION

**Expertise in cleaner production on specific industrial sectors - Pilot project
14 guidelines in partnership with several Industry Association.**

http://www.cetesb.sp.gov.br/Tecnologia/prevencao_poluicao/conceitos.asp

**TRANSFER ITS KNOWLEDGE ON GOOD PRACTICES GUIDELINES AND LEGISLATION FOR
PERMITTING OF THE ACTIVITIES,**

**SOME ACTIVITIES MUST BE DEMONSTRATED THAT ARE CHANGED ITS PROCESS IN ORDER TO
RENEWABLE ITS PERMITS**



ARIA D
MBIENT

ERNO DE
PAULO



Método Engenharia

Projetos de arquitetura fixam as dimensões dos banheiros de forma a usar perfeitamente os azulejos e pisos, sem sobras

3M do Brasil - Sumaré

Alterou as embalagens dos adesivos para embalagem de borracha sintética eliminando caixas de papelão.

TEKA: INDÚSTRIA TÊXTIL

Substituição de carboxi-metil-amido por carboxi-metil-celulose no processo de engomagem;

Galvânicas em Limeira

Substituição de chuveiro de alavanca por sistema de aspersões na lavagem de peças.

Redução no consumo produtos químicos em banhos de

Eletrodeposição Zetti Indústria e Comércio e Galvânica de Bijuterias EPP Ltda.

CERMATEX - Têxtil

Substituição de lâmpadas fluorescentes por vapor metálico; instalação temporizador iluminação externa do escritório e torres de iluminação; detetores presença corredores e estacionamento

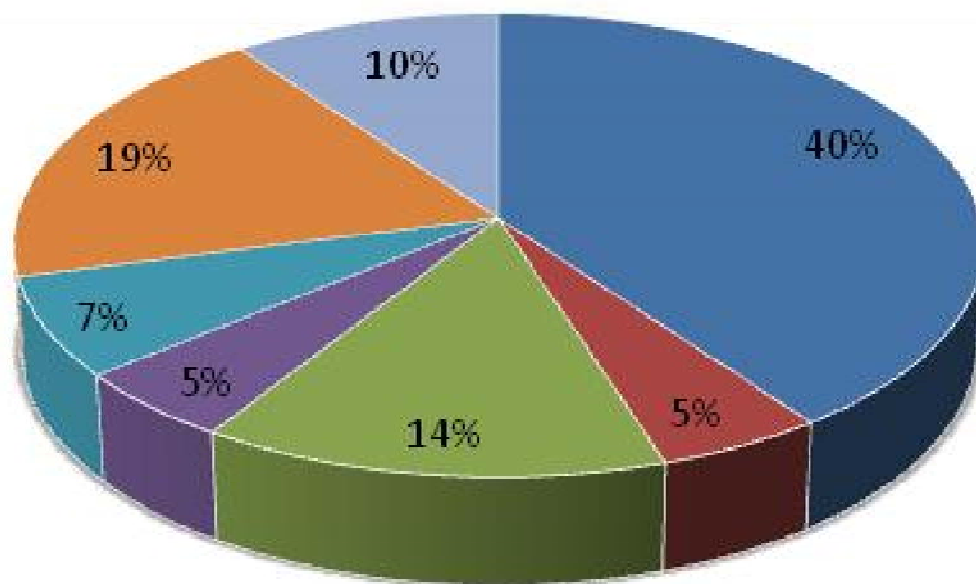
Indústria do Vidro - Pilkington Brasil Ltda. peças para instalações de fachadas, móveis; box para banheiros, vidros para eletrodomésticos.. Reutilização de água no processo produtivo

FORD - Taubaté

Segregação de óleos/emulsões de corte; separação, armazenamento e análise de óleos/emulsões, para reuso



Clients - 2007



- industries/commerce/services
- Consulting/Engineering companies
- Environmental Protection / Sanitation companies
- Public Health Institutions
- Research/Teaching Institutions
- Governamental/public institutions
- other

total = 828



CETESB – INTERNATIONAL COOPERATION (COOPERACION INTERNACIONAL) →

Environment Canada



Deutsche Gesellschaft für
Technische Zusammenarbeit (GTZ) GmbH



Stockholm Convention
on persistent organic
pollutants (POPs)



Information Clearinghouse Mechanism (CHM)

- ENVIRONMENTAL QUALITY
- WATER QUALITY REPORTS (INLAND, RECREATIONAL, GROUNDWATER)
- SOLID WASTES
- CONTAMINATED SITES
- REGULATION AND GUIDELINES
- EMERGENCY RESPONSES
- CLEANER PRODUCTION GUIDES
- NETWORKS

STOCKHOLM CONVENTION CENTRE ON CETESB WEBSITE

CONVENTION DOCUMENTS
POPs INFORMATION
ACTIVITIES OF ENVIRONMENTAL MANAGEMENT
CENTRE'S ACTIVITIES
EVENTS
LINKS AND CONTACTS

Microsoft Internet Explorer

Favorites Ferramentas Ajuda

Google Pesquisa Personalizada

CETESB

Companhia Ambiental do Estado de São Paulo
Secretaria de Estado do Meio Ambiente
24 - SET - 2009

Busca no Site

Google Pesquisa Personalizada

Missão Institucional e Política da Qualidade

Disque Meio Ambiente 0800 11 3560

Fale Conosco | Ouvidoria Expediente

O que você procura?

Downloads

QUALAR Sistema de Informações da Qualidade do Ar

Qualidade Horária do Ar

Condição atual da Região Metropolitana de São Paulo

Interpretação

Já! - Sem dados

Não Regular Inadequado Má Pésimo

Denúncia de Fumaça Preta

EVENTOS

Relatórios e Publicações

LICITAÇÕES

TESS

Troca de Informação em Saúde Suplementar

Programa Estágio

Concurso Público

Cursos e Treinamentos

DENGUE! Saiba como se prevenir...

Utilize nossos serviços na Agência

Notícias

Representantes de governos regionais discutem adaptações às mudanças climáticas

QUALAR Sistema de informações da Qualidade do Ar

QUALAR - um novo sistema de informações que facilita as consultas sobre qualidade do ar

CONSEMA aprova diretriz para descentralização do Licenciamento Ambiental

CETESB interdita postos de combustíveis sem licenças ambientais

Clipping SMA Notícias | Outras Notícias...

Postos de Combustíveis

Postos convocados, consulte aqui... | Novas Orientações para o Licenciamento

Lista dos postos de combustíveis regularizados junto à CETESB

Regule seu veículo a óleo diesel

Relação das empresas participantes do programa para Melhorar da Manutenção de Veículos Diesel

Inventário de Emissão de CO2

Acesse aqui o formulário para preenchimento

Veja aqui o relatório das 100 maiores indústrias emissoras de CO2

Emergências

Inversão Térmica

Imagens de Satélite

Saiba quando e como isso acontece

Veja a localização das praias do nosso litoral

Licenciamento Ambiental

Licenciamento Autorizações Alvarás em APM

Cartilha de Licenciamento Ambiental e as Micro e Pequenas Empresas Volume 1 - Volume 2 - Encarte Vol. 2

Informações de Qualidade Ambiental Qualidade do Ar, Praias e Rios

ponto de vista ...

A Reação dos Estados na Agenda Climática

Stockholm Convention on persistent organic pollutants (POPs)

Centro Regional para a Convenção de Estocolmo sobre Poluentes Orgânicos Persistentes (POPs) para a Região da América Latina e Caribe

Declaração de Responsabilidade Resolução SMA 37 de 31 de agosto de 2006

Política Estadual de Mudanças Climáticas

Queima da Palha da Cana Informações Atualizadas

Licitação Sustentável ...

RelASC Rede Latino Americana de Prevenção e Gestão de Sítios Contaminados

Entrada - ladyr@c... Genebra redes 23... SPC (Modo de Co... WP WORK PLAN 23 - ... Bem-vindo à CET... Imagem - Paint



RELASC

Latin-American prevention and Control on soil and Groundwater Contamination Network

<http://www.cetesb.sp.gov.br/rede/default.asp> <http://www.relasc.org/>


ón y Control de la Contaminación del Suelo e de las Aguas Subter - Microsoft Internet Ex

Ajuda

espanhol.asp

es:

OK



ReLASC
Rede Latino Americana
de Prevenção e Gestão
de Sítios Contaminados

La contaminación de los suelos y las aguas subterráneas provocada por la actividad del ser humano constituye para todos los países de latinoamericanos un problema ambiental y económico, principalmente en los grandes centros urbanos y en las áreas de uso intensivo de producción industrial o de explotación de recursos naturales. Sin embargo, se nota la falta de estructuración y disponibilidad de informaciones sobre este tema en los idiomas español y portugués. El intercambio de informaciones en la región es aún tímido, como consecuencia de estructuras institucionales y sectoriales poco desarrolladas, entre otros factores. Por otra parte, ha aumentado la demanda de soluciones técnicas, tecnológicas y gerenciales, así como de capacitación específica.



La idea de crear la red latinoamericana surgió a partir de la Cooperación Técnica entre Brasil y Alemania. Desde 1993, la **GTZ** (Agencia Alemana de Cooperación Técnica) ha colaborado con la **CETESB** (Compañía de Tecnología de Saneamiento Ambiental del Estado de São Paulo) en la elaboración y perfeccionamiento de un sistema de gestión de áreas contaminadas. Teniendo en cuenta la importancia que ha ganado este tema, el Ministerio del Medio Ambiente de Brasil (MMA) presentó, en el marco de la XV Reunión del Foro de Ministros del Medio Ambiente de América Latina y del Caribe, que tuvo lugar en Caracas, Venezuela en 2005, la idea de formar la red, mencionada en el **Informe Final**, página 55, decisión 13, 7 y 8.

2006

Concepción preliminar de la RED
En función de la recepción positiva por parte de otros países presentes en la reunión, la **CETESB**, con el apoyo del MMA y de la **GTZ**, tomó la iniciativa de realizar un taller de concepción, del que emanó una **Propuesta de la RED** (el **informe** del taller está disponible para **download**).

1º Encuentro de stakeholders latinoamericanos (baja la noticia)
El encuentro tuvo lugar el día 8 de agosto del 2006 en São Paulo, Brasil. En él participaron representantes de instituciones gubernamentales, de enseñanza e investigación y del sector privado de Argentina, Chile, Uruguay, México y Brasil. Los participantes aprobaron unánimemente la propuesta de la RED, y así se plasmó en una **carta de recomendaciones**. Las **presentaciones** de este Encuentro están disponibles para **download**.

1º Seminario Latinoamericano sobre Prevención y Control de la Contaminación de los Suelos y de las Aguas Subterráneas (baja la noticia)
El día 9 de agosto se realizó un Seminario con participantes de América Latina y Europa en el que se abordó la situación de la gestión de áreas



Informe final PNUMA
Propuesta de la RED
Informe del taller de concepción
Carta de recomendaciones
Presentaciones del encuentro de stakeholders
Presentaciones del seminario
Informe del encuentro de representantes municipales latinoamericanos
Presentaciones del encuentro de representantes municipales latinoamericanos
Acuerdo de cooperación técnica CETESB - UBA
Aide Memoire
Presentaciones del taller de experiencias europeas en networking
Presentaciones y Abstracts del 2nd International Conference on "Managing Urban Land"
Estudio sobre gestión y revitalización de sitios contaminados en América Latina
Publicación sobre Networking:
Ingles - Portugues - Español
Declaración de Principios y Directrices ReLASC
Presentación Congreso AIDIS
Presentaciones de V Painel de Debates SENAC

□2005: Regional initiative-LAC Environmental Ministry Forum

□Co-operation Agreement : CETESB along with the German Federal Environmental Agency UBA through the Technical Co-operation Agency GTZ.



RELASC



Type of information exchanged

☐ Soil and groundwater contamination prevention, remediation, hazardous waste cleanup, and brown fields redevelopment.

Number and type of exchange partners

☐ 2009 : Coordinator: Brazil/ CETESB

☐ 2010: Coordinator : Mexico

Members: Argentina, Brazil, Chile, Colombia, Mexico and Uruguay

Support by: public and private organizations –

Reasons for information exchange

☐ To create information baseline for information and expertise concerning this issue

☐ To stimulate and give support to the production, diffusion and sharing of systematized knowledge and information on this issue

☐ To disseminate the decentralization processes and the inter-institutional cooperation

☐ To disseminate the public-private participation models



REQUILAC
CHEMICAL EMERGENCY NETWORK FOR LATIN AMERICA AND THE CARIBBEAN
<http://www.cepis.org.pe/requilac/p/requilac.html>

□ initiative of **OPAS – THE PAN AMERICAN HEALTH ORGANISATION** for disseminate PED - Preparedness Program In Case Of Disaster and **SDE - Sustainable Development Area**.

Emergências Químicas - CETESB - Microsoft Internet Explorer

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

Endereço <http://www.cetesb.sp.gov.br/Emergencia/emergencia.asp>

Portal do Governo Cidadão.SP Investe SP Destaque: [] [OK]

Água Ar Institucional Gerenciamento de Riscos Serviços Solo Tecnologia Ambiental Publicações Mapa do Site

CETESB Companhia Ambiental do Estado de São Paulo
Secretaria de Estado do Meio Ambiente
18 · SET · 2009

Busca no Site
Google Pesquisa Person.

BVSDE REQUILAC - Microsoft Internet Expl...

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

Endereço <http://www.bvsde.paho.org/requilac/e/requilac.htm> Ir Links

English Português

REQUILAC

Red de Emergencias Químicas de Latinoamérica


Sobre REQUILAC

REQUILAC es una red abierta a todos los interesados de habla hispana, portuguesa o inglesa cualquiera que sea su nacionalidad, y en la que participan profesionales de muy diversa formación interesados en el aspecto de Emergencias Químicas.

Los debates en la red tienen carácter científico y abordan temas diversos relacionados a la prevención, preparación y respuesta a las emergencias químicas.

Suscríbase, enviando un mensaje al administrador de la lista, directamente completando el formulario de inscripción que se encuentra en el botón "Suscripción" de esta página.

Ocorrências em andamento ...



Sem ocorrência no momento.

Atendimento de emergência 24 horas a serviço do meio ambiente
Centro Colaborador OPS - OMS

Fones 24 horas
(55)(11)3133-4000 / 0800 11 3560

e-mail
tdoe@cetesbnet.sp.gov.br

» Outras notícias » Informes

REQUILAC
Rede de Emergências Químicas para América Latina e Caribe



CETESB – REGIONAL STOCKHOLM CONVENTION CENTER – Networks

SPC- Sustainable Production and Consumption Information Network for Latin America and the Caribbean Region
www.redpycs.net

Programa de las Naciones Unidas para el Medio Ambiente
PNUMA Oficina Regional para América Latina y el Caribe

Red de Información en Consumo y Producción Sustentables para América Latina y el Caribe

The Net **Nodes** **Partners** **Thematic Centers**

Home
Marrakech Process
Council of Experts
Policies and Projects
Dialogue Roundtables
SMEs and SCP

The Network

This network is a tool to facilitate the search and access to information on topics related to sustainable consumption and production.

The information available on this site is for public use and is free, respecting reproduction authorizations in case it should.

How the Network began?

In support of the *Council of Experts*, and to the countries of the region, the United Nations Environment Program (UNEP) through its Regional

Search
Virtual Library
Events
Virtual Forums
E-learning
Contacts



CETESB – REGIONAL STOCKHOLM CONVENTION CENTER – Networks

SPC- Sustainable Production and Consumption Information Network for Latin America and the Caribbean Region

www.redpycs.net

CETESB and UNEP : an agreement in July 2008

❑ UNEP: program manager and network administrator

❑ CETESB : technical advisor and local node

INFORMATION EXCHANGE: technical articles, forums, training activities, etc.

Types of partners involved: national and local government agencies, NGO's, universities, students, and any citizens interested

Related protocol : UN's Marrakech Process

Network mission:

To promote sustainable patterns of consumption and production in the Region

In construction

Include a node of Cleaner production on POPs





CETESB – REGIONAL STOCKHOLM CONVENTION CENTER – Networks Network of Regional Governments for Sustainable Development- Nrg4SD -www.nrg4DS.net



Type of information exchanged : Policymaking, best practices, benchmarking

Number and type of exchange partners: 50 - Regional Governments (States)

Reasons for information exchange: Best Policymaking, actions at regional (State) level

Technology/information systems employed in exchange of information
website, e-mail, common reports. It use database from: UNFCCC, UNEP, UNDP, IEA, USEPA, etc (don't create new)

Relevant protocols employed : Montreal Declaration, including in the UNFCCC, COP 15 docs. Of the intention of local/regional (subregional) governments

Development plans

Each region has its own, but all exchange views e.g. Workshops, Steering Committee, Planers, General Assemblies, etc.

Specific case studies Report for GPII at the website on State positions of Climate Change

CETESB – REGIONAL STOCKHOLM CONVENTION CENTER –Networks

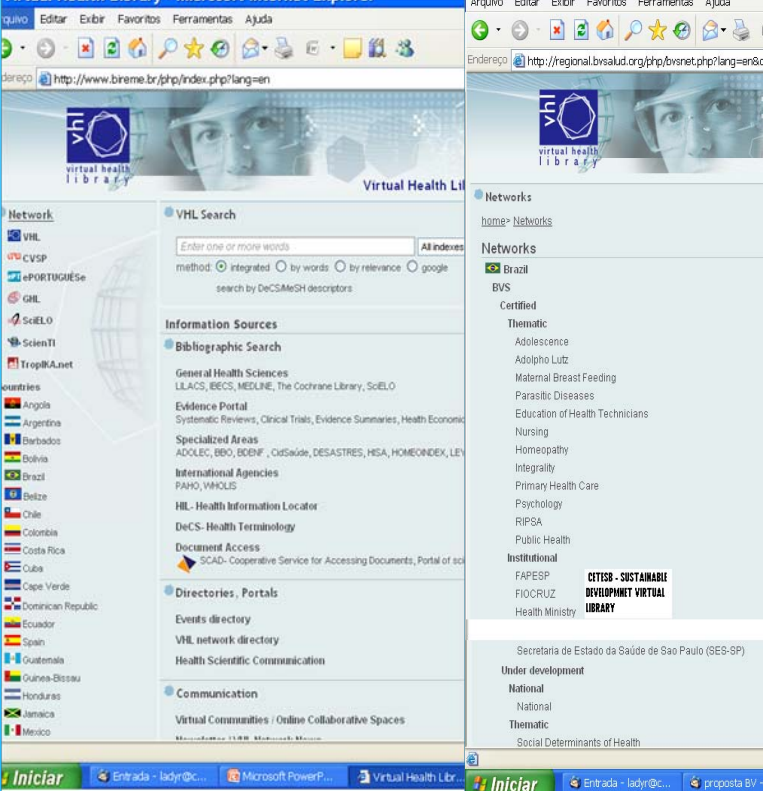
VIRTUAL SUSTAINABLE DEVELOPMENT LIBRARY - VSDL –

A PROJECT ON BIREME /BRAZIL LINK



BIREME is a specialized center of Pan American Healthy Center Organization - PAHO / WHO Latin-American and Caribbean Center on Health Sciences Informational in order to promote the decentralize construction, development and operation of the Virtual Health Library (VHL) .

Virtual Health Library - Microsoft Internet Explorer



❑ CETESB`s library: coordinates a new project VIRTUAL SUSTAINABLE DEVELOPMENT LIBRARY on BIREME /BRAZIL LINKING

Cooperation: CETESB&BIREME /PAHO / WHO

❑READY IN 2011

❑Number and type of exchange partners

all participants of this virtual library BIREME

❑Reasons for information exchange

✓To implement an infrastructure management information about scientific and technical literature on SD

✓ To promote and use of scientific and technical information on SD



ENVIRONMENTAL AGENCY OF SAO PAULO STATE



Countries served by the regional centre

GRULAC: 33 countries

Antigua and Barbuda, Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Uruguay, Bolivarian Republic of Venezuela .



WORK PLAN

ACTIONS – WORK PLAN

- ✓ TO PROVIDE LABORATORIES WITH THE NECESSARY KNOW-HOW TO MONITOR POPS (Polychlorinated Biphenyls- PCBs), CHLORINATED ORGANIC PESTICIDES AND DIOXIN AND FURANS)
- ✓ TO TRAIN TECHNICIANS TO IDENTIFY AND MANAGE POPs CONTAMINATED SITES AND HAZARDOUS WASTE
- ✓ TO OFFER TRAINING COURSES
- ✓ TO DEVISE GUIDELINE TO APPLY ENVIRONMENTALLY SOUND TECHNOLOGIES FOR AIR POLLUTION CONTROL AND SOLID WASTE.
- ✓ TO DEVOPA MODE PROJECT FOR POPS OBSOLETE PESTICIDES



WORK PLAN

- Objective 1. To operate a dioxin and furans laboratory for analysis of environmental samples - air, ashes, soil and sediments - within one year to implement the source-based analytical data of unintentionally produced POPs.
- Objective 2. To enhance the technical capacity in the country for analysis of POPs in human blood and milk.
- Objective 3. To offer a three-week POPs environmental sound management training to 30 thirty decision-makers, regulatory authorities and/or public sector managers from GRULAC and CLPL countries in the next two years .
- Objective 4. To promote a two-week technical-operating POPs monitoring training to 20 twenty public sector technicians from GRULAC and in the next two years.
- Objective 5. To promote a six day practical POPs laboratory capacity training to six laboratory technicians in the next two years .



WORK PLAN

Objective 7. To disseminate technical information on the Centre/ CETESB website created recently for countries from GRULAC and CLPL by December 2010(Clearance House Mechanisms).

Objective 8. To promote a regional workshop to disseminate information about the synergies among the Stockholm, Basel and Rotterdam Conventions, within the next year.

CETESB
ENVIRONMENT AGENCY OF SAO PAULO STATE – BRAZIL
STOCKHOLM CONVENTION REGIONAL CENTER



TKANK YOU ! GRACIAS!

Lady Virginia Traldi Meneses ladyr@cetesbnet.sp.gov.br

Av. Professor Frederico Hermann Jr., 345 – São Paulo - BRASIL

www.cetesb.sp.gov.br Tel.+5511.3133.3862



Stockholm Convention
on persistent organic
pollutants (POPs)

- ✓ CETESB's WORK PLAN for the period of September 2008 to December 2009 was devised and sent to the Stockholm Secretariat last September
- ✓ BASED ON THE PRINCIPLES OF SC - ARTICLE 12 - TECHNICAL ASSISTANCE
- ✓ Needs of the region- NIPs transmitted to the Secretariat
 - TECHNICAL SUPPORT TO DEVELOPING COUNTRIES IN LATIN AMERICA AND IN THE CARIBBEAN AND TO PORTUGUESE SPEAKING COUNTRIES
 - DEVELOP AND STRENGTHEN THEIR CAPACITY TO IMPLEMENT THE OBLIGATIONS UNDER STOCKHOLM CONVENTION

WORK PLAN OBJECTIVES

THERE ARE FIVE MAIN OBJECTIVES:

1. To prepare the process to start up the dioxin and furans laboratory within a period of one year - analysis of environmental samples - air, ashes, soil and sediments
2. To strengthen six existing laboratories from GRULAC
3. To enhance Brazil's technical capacity to analyze PCBs and chlorinated organic pesticides presence in human blood and milk
4. To promote technology transfer to GRULAC
5. To facilitate access to technical information on the cetesb website for countries from GRULAC by December 2009 (clearance house mechanisms)

WORK PLAN OBJECTIVES - Activities

Objective 1. To prepare the process to start up dioxin and furans laboratory within a period of one year - analysis of environmental samples - air, ashes, soil and sediments.

- ✓ **To prepare the lab for accreditation: IN PROCESS**
 - to prepare standard operating procedure for samples and analysis;
 - to get certificate reference material (CRM);
 - to establish a maintenance contract for CGMS/HR;
 - to assure quality standards and quality control methods;
 - to contract proficiency test;
- ✓ **To train CETESB professionals for air sampling: DONE**
- ✓ **To analyze 20 environmental samples - air, ashes, soil and sediments for some Latin America and Caribbean countries (for the first period).**

WORK PLAN OBJECTIVES - Activities

Objective 3. To enhance Brazilian technical capacity to analyze presence of PCBs and chlorinated organic pesticides in human blood and milk.

- ✓ To prepare standard operating procedure for sample and analysis:
 - to get certificate reference material (CRM);
 - to assure quality standard and quality control methods;
 - to contract proficiency tests;
 - to validate the methods;
- ✓ To train CETESB 's technicians to analyze the presence of PCBs and chlorinated organic pesticides in human blood and milk; IN PROCESS
- ✓ To analyze 200 PCBs and chlorinated organic pesticides samples in human blood and milk

WORK PLAN OBJECTIVES - Activities

Objective 4. To promote technology transfer in order to provide the GRULAC and Portuguese speaking countries with the necessary know how so that they can tackle their environmental problems caused by POPs

- ✓ **To offer four training courses to GRULAC countries:**
 - to contact GRULAC countries and Portuguese speaking countries with the help of the Brazilian's Ministry for the Environment and on your feedback of your needs ;
 - to present a list of 10 courses and to select 4 most appropriate of them;
 - to prepare four one week courses for twenty participants;
 - to schedule for the training courses;
 - to produce course material in the adequate language;
 - to start the four training courses within next year.

To promote technology transfer on identification and management of contaminated sites and hazardous waste, environmentally sound technologies for air pollution control and application of air pollution emission factors through training courses about one week duration within one year to strengthen the environmental agencies of the region in relevant aspects of Stockholm Convention

- ✓ Air pollutant inventory
- ✓ Cleaner Production: a tool for sustainability
- ✓ Procedures for the management of contaminated sites
- ✓ Techniques for investigation of contaminated sites
- ✓ Environmental management of terrestrial transport of hazardous substances
- ✓ Response actions for chemical emergencies
- ✓ Industrial solid waste management: characterization, classification, treatment and disposal techniques
- ✓ Technologies for air pollution control: particulate, gases, fumes, and odour
- ✓ Sampling and preservation of water, sediment and organism samples for POPs monitoring
- ✓ Analysis of Persistent Organic Compounds (PCBs and OCP) in environmental samples



WORK PLAN OBJECTIVES - Activities

Objective 5. To facilitate access to technical information on the CETESB website for countries from GRULAC by December 2009 (Clearance House Mechanisms).

- ✓ To create a link to the Centre on the website;
- ✓ To select CETESB technical material regarding to the Stockholm Convention to be included at the Centre linkage ;
- ✓ To translate the information on CETESB website into English and Spanish;
- ✓ To integrate RELASC, RELAC, REQUILAC and SPC networks into the website