

Wednesday April 20 2005

■ Opening Ceremony of Bionova 2005

10.00-11.00 – **Plenary Room**

Welcome speeches by:

- Ferruccio Macola, Chairman PadovaFiere
- Leonardo Santi, Chairman of the National Committee for Biosafety and Biotechnology - Presidency of the Board of Ministers
- Charles J. Arntzen, Biodesign Institute at Arizona State University (USA)
- Luis Eugenio Todd Pérez, General Manager, Council of Science and Technology of the State of Nuevo Leon (Mexico)
- Francesco Pagano, Chairman Venetian Institute of Molecular Medicine

■ Plenary Session: Life Sciences and Biotechnology – A strategy for Europe

11.00-12.00 - **Plenary Room**

Reports:

The First Thematic Priority: Life Sciences, Genomic and Biotechnologies for healthcare. The opportunities of the new notification and the challenges of the seventh Main Program

Philippe Jehenson, Directorate F – Health, Principal Scientific Officer, - DG-Research, European Commission

The Fifth Thematic Priority: Quality and Food Emergency. The opportunities of the new notification
Line Matthiessen-Guyader, Directorate E, Project Officer, Unit 1 Strategic and Political Aspects, , European Commission

■ Prosecution: Life Sciences and Biotechnology – A strategy for Europe

14.00-17.00 - **Plenary Room**

Discussion on:

- **European action plan on Biotechnologies**
- **A new draft of the Annual Report for Biotechnology**
- **National strategy on developing lines for Biotechnologies**

Participants

- Leonardo Santi, Chairman of the National Committee for Biosafety and Biotechnology - Presidency of the Board of Ministers
- Line Matthiessen-Guyader, Directorate E, Project Officer, Unit 1 Strategic and Political Aspects, , European Commission

Discussion

■ Agricultural productions

14.00-17.00 - **Room 7B**

Chairman:

Francesco Salamini – Chairman, Scientific Board, Fondazione Parco Tecnologico Padano

Edible vaccines in plants

Charles J. Arntzen - Biodesign Institute at Arizona State University (USA)

Transient expression of useful proteins in plants

Victor Klimyuk - Icon Genetics AG (Germany)

Genomics and marker-assisted breeding in plants

Michele Morgante – Department of Crop Science and Agricultural Engineering, University of Udine

Fruit tree biotechnology

Silviero Sansavini – Department of Fruit Tree and Woody Plant Sciences, University of Bologna

Biopharmaceutical productions in plants

Eugenio Benvenuto, ENEA – UTS Biotechnology, Health and Ecosystems Protection

■ Molecular diagnostics in oncology

14.00-17.00 - **Room 7A**

Chairmen:

- Giancarlo Vecchio, Department of Biology and Cell and Molecular Pathology "L. Califano", University of Naples "Federico II"
- Luigi Chieco-Bianchi, Department of Oncology and Surgery Sciences, University of Padua

Molecular diagnosis in oncology

Generoso Bevilacqua, Division of Pathological Anatomy, Faculty of Medicine and Surgery, University of Pisa

Molecular analysis in paraffin-embedded Tissues

Giorgio Stanta, Clinical Unit of Pathological Anatomy, - Faculty of Medicine and Surgery, University of Trieste

Molecular diagnostics of pancreatic cancers

Aldo Scarpa, Section of Pathological Anatomy, Faculty of Medicine and Surgery, University of Verona

Molecular pathogenesis of human papillary thyroid carcinomas

Rosa Maria Melillo, University of Naples

Effects of nitroderivate drugs on immune suppression induced by myeloid suppressor cells

Vincenzo Bronte, University of Padua

■ Creation of biotech start-up based on scientific research

14.00-16.00 - **Room 4**

Seminar organized by:



University of Padova

Chairman:

Andrea Berti, University of Padova, Technology Transfer Office

A strategy for transferring biotechnologies from labs to markets

Giorgio Palù, University di Padova, Dean of the School of Medicine

The biotech business incubator fo Milan

Rolando Lorenzetti, CISI, University of Milan

Financing biotech start-up

Stefano Peroncini, Quantica SGR

Doing biotech business in Veneto is possible

Giorgio Fassina, Xeptagen

A practical experience of biotech patent

Teresa Pecere, University di Padova

Biotech reasearch and industrial experimentation for the regional area

Emile Knystautas, Association CIVEN

■ Financing the biotech sector: towards a decentralized system?

16.00-18.00 - **Room 4**

Seminar organized by:



Department of Economic Sciences "Marco Fanno" (DSE), University of Padova

Chairperson:

Barbara Di Bernardo, DSE, University of Padova

Moderator:

Fiorenza Belussi, DSE, University of Padova

The role of venture capital in financing the biotech sector

Edoardo Lecaldano, President of Alice Ventures, Milan

Regional policies (PRAI and regional labs) in Emilia Romagna

Maria Grazia Zucchini, Aster, Bologna

The case of Milan: the scouting programs and the bio-incubators in Lombardy

Leonardo Biondi, Biopolo, Milan

The bioindustry park: a case in Piedmont

Fabrizio Conicella, Bioindustry Park Canavese

Report by:

Fab-Gruppo Fidia Abano Terme (Padova)

Report by:

Patrizia Beccari, ION Bologna

■ Life sciences and biotechnology in Israel: an opportunity for Italy

15.00-17.00 - **Room 2**

BIONOVA 2005 Seminars



Workshop organized by the Italian-Israeli Chamber of Commerce of Tel Aviv in cooperation with the Embassy of Israel in Rome

Life Sciences and Biotechnology are two sectors experiencing heavy growth in Israel and have been defined as a priority for the development of new technologies. In this session of various symposiums, presentations will be made on the structures and main areas of activity of Research and Development and Production. The incentives and reductions that the Israeli Government offers on the national and international level will likewise be presented. Presentations will be made by institutional representatives and experts in the field of Life Sciences and Biotechnology who will be present at Bionova

Reports:

Israeli economy and the biotechnological sector

Mordechai Rodgold, Economic Advisor, Embassy of Israel

Trends in financing of Israeli biotech companies

Ariel Nachman, Lawyer, Legal firm Pavia & Ansaldo

Putting ideas into business: the case of Israel

Paolo Barbanti, Professor in Biotechnology, University of Bologna

Presentation of Israeli companies – reports by:

Do-Coop Technologies Ltd. (“water based” products, assigned to the drug sector, molecular biology, and applications of medical diagnosis)

- Eran Gabbai, CEO

Biosight Ltd. (Producer of peptide compound for drug labs and academic institutions)

- Stela Gengrinovitch, CEO

Renopharm Ltd. (Synthesis of Nitric Oxide donors)

- Michael Naveh, CEO

Exploiting the biodiversity of lactic acid bacteria to create enjoyable and healthy food products and ingredients

15.00-16.00 - **Room 3**

Workshop organized by Nizo

Speaker:

Wouter Noordman, Sales manager, Nizo (NL)

Giovedì 21 Aprile 2005

ICT, management and risk management in healthcare companies

09.30-13.00 - **Room 3**

Workshop organized by the Healthcare Services Management in collaboration with Aisis (Italian Association of Information Systems in Healthcare)

Welcome speech and introduction:

Ettore Grassano, Head of trimes Healthcare Management

Healthcare information and Communication Technology: comparison between roles, cultures and behaviors of top managers, of healthcare professionals, of administrative and informatics professionals. Impact on evolution of technological applications in the various welfare models

Giorgia Andreoli, Psychologist and psychotherapist, coordinator of Health Department activities, ISTUD, expert of professional cultures and of team job

Report by:

Paolo De Nardi, AISIS Representative and director of the Information Technology Intercorporate Department, Hospital of Padova

How to reach desired results through modelling of a control application system – a successful experience

Mario Pasquale, Product manager Gruppo Formula

From paper archives to digital archives. A new management of clinical documents

Mario Po', Administrative director, ULSS 8, Asolo (Province of Treviso)

Health Optimum, a European plan for telemedicine. Neurosurgical teleconsult and telelaboratory

- Claudio Dario, General manager, ULSS 9, Treviso
- Massimo Gion, Director of Complex Structure Operating Unit, Analysis laboratory, Hospital facilities of Mestre and Venice
- Paolo De Nardi, Director of the Information Technology Intercorporate Department, Hospital of Padova

Streaming technology for supporting clinical training; the experience of the hospital of padova
Cinzia Condò, Specialist in Multimedia Technologies, Hospital of Padova

Biotechnology for human health: today's solutions and opportunities for the future

10.00-12.00 – **Plenary Room**

Round Table organized by:



FARMINDUSTRIA



ASSOBIOTEC
FEDERCHIMICA

The biotech sector for health finds itself facing increasingly complex challenges. On the one hand, it's changing and the concept of health is evolving under the social-cultural aspect; on the other hand, opportunities for the development of

medical-scientific research are taking shape in connection with new knowledge and possibilities for more appropriate therapies. The Round Table aims at providing an overview of present and future therapies in the health field, illustrating the role carried out by drug companies and identifying, flanked by Italian Institutions, conditions necessary for making biotechnology into a factor of growth for Italy

Moderator:

Cesara Buonamici, Journalist

Participants:

- Marco Columbro, Actor
- Giuseppe Giorgini, Chairman of the Biotech Group, Farindustria
- Roberto Gradnik, Chairman of Assobiotech
- Stefano Inglese, National Responsible of the Court of Law for Patient Rights
- Enrica Morra, Director of Haematology Division, Bone marrow Transplantation and Oncology, "Niguarda" Hospital of Milan
- Guido Rasi, Member of the Board of Directors of the Italian Drug Agency
- Leonardo Santi, Chairman of the National Committee for Biosafety and Biotechnology - Presidency of the Board of Ministers

From the idea to the availability of new drugs: roles of science and of companies

14.00-17.00 – **Plenary Room**

Organized by:



FARMINDUSTRIA



ASSOBIOTEC
FEDERCHIMICA

14.00 Beginning of session

How to grow biotech drugs

Giovanni Gaviraghi, Managing director of Siena Biotech SpA

14.20 Round Table

The contribution of Italian companies in defining new biotech drugs: from discovery to clinical improvement

Moderator:

Roberto Gradnik, Chairman of Assobiotech

With the participation of representatives of Italian companies involved in the main phases of growth of biotech drugs

- Massimo Di Martino, Abiogen Pharma S.p.A.
- Maria Luisa Nolli, Areta S.r.l.
- Francesco Sinigaglia, BioXell S.p.A.
- Domenico Barone, Creabilis Therapeutics S.r.l.
- Lucia Aleotti, Menarini Biotech S.r.l.
- Marina Del Bue, MolMed S.p.A.
- Luca Benatti, Newron Pharmaceuticals S.p.A.
- Dario Neri, Philogen S.p.A.

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- Alessandro Nosedà, Sigma-Tau S.p.A.

■ Nanobiotech research and development prospects

10.00-12.00 - [Room 7A](#)

Chairman:

Fernando Tommasini, University of Trieste

Nanobiotechnology: "New Prospects"

Giorgio Stanta, University of Trieste

AFM applications to bionanotechnology and to biosensors in particular

Giacinto Scoles, University of Princeton (USA)

New prospects for the future: ultra-dense and extremely cheap DNA microarrays

Francesco Stellacci, Massachusetts Institute of Technology (USA)

Nanoproduction – Functionalization of surfaces with organic molecules

Fabio Biscarini, Institute for the Study of Nanostructured Materials – CNR Bologna

Ink-Jet Technology for the deposition of biomolecules

Roberto Della Marina, Telecom Italy – Olivetti I – Jet, Aosta

NanoBioTech Projects: conclusions

Fernando Tommasini, University of Trieste



ECOD-BIO Workshop Sustainable communication in medical life sciences

10.00-16.00 - [Room 7B](#)

Welcome speech:

Tiziana Pedrucci – Higher Institute of Oncology

ECOD-BIO - a strategic initiative to improve communication and knowledge about biosciences in Europe

Barbara Streicher - Dialog Gentechnik, Austria

Setting the Scene; Aiming for Sustainable Communication

Ann Van Gysel - VIB, Belgium

10.45 – **Session I**

Models for a sustainable communication

Chairman:

Philippe Jacobs, VIB, Belgium

Controversial Research Topics: How to Deal with the Media Circus?

TBA (EMBL)

How accountable? Invest in sustainable communication and capitalise on trust

Susanne Stormer – Novo Nordisk, Denmark

News or Hype? A Journalist's Point of View

Kim De Rijck - De Standaard newspaper, Belgium

Genetic Counseling: Communicating without Imposing Opinions

Sabine Hentze – Private Practice, Germany

Discussion

Chairman:

Philippe Jacobs, VIB, Belgium

14.00 – **Session II**

Models for sustainable education

Chairman:

Russ Hodge, EMBL-Heidelberg, Germany

Teaching, the Ideal Model for Sustainable Education?

John Watson – European School, Luxembourg

Scientists@work: Teachers and Students in the Lab

Sooike Stoops - VIB, Belgium

EMBL school project: Teachers in the lab

Alexandra Manaia - EMBL, Germany

Scientists in the Class Room: The Teacher- Scientist Network

Wendy Harwood - John Innes Centre, United Kingdom

Discussion

Chairman:

Russ Hodge, EMBL-Heidelberg, Germany

■ Switzerland: Ticino as a Life Science platform

10.00-11.00 - [Room 4](#)

Workshop organized by the Department for Economic Promotion of Canton Ticino and Biopolo Ticino

During the workshop, an overview of Life Science sector in Switzerland will be presented, with particular regards to the Canton Ticino. Incentives and facilities previewed from the economic promotion laws will be presented as well

Chairman:

Fausto Castiglione, Consultant, Department for Economic Promotion of Canton Ticino

Participants:

- Roberto Melzi, Consultant, Department for Economic Promotion of Canton Ticino
- Luca Bolliger, Manager, Biopolo Ticino

■ Patents and distinctive signs in the field of biotechnology

10.00-12.30 - [Room 1](#)

Workshop organized by Barzanò & Zanardo – Intellectual property

Introduction and Chairman:

Alessandro Coppo, Barzanò & Zanardo

Introduction to intellectual property. National and international protection of the inventions

Serena Gitto, Barzanò & Zanardo

Patent protection of biotechnological inventions

Ida Calogero, Barzanò & Zanardo

Distinctive signs in the field of biotechnology

Emanuele Montelione, Barzanò & Zanardo

Evaluation of patents and distinctive signs in the field of biotechnology: evaluation methods and variation of the value during the grant procedure

Andrea Tiburzi, Barzanò & Zanardo

"AEQUOTECH Srl: development of biosensors for the detection of intracellular parameters and activity" an example of academic spin off

- Paolo Pinton, AEQUOTECH Srl, Ferrara
- Carlotta Giorgi, AEQUOTECH Srl, Ferrara

■ Initiatives in the field of biotechnology in the Veneto region

10.30-12.30 - [Room 2](#)

Workshop organized by the Veneto Region

Introduction

Mario Bonsembiante, Chairman of Technical Scientific Committee of biotech research in the Veneto region

Reports:

Agrifood industry – animal branch
Mario Bonsembiante

Agrifood industry – vegetal branch
Giovanni Cacco

Environmental industry
Paolo Cescon

Pharmaceutical industry
Gian Antonio Danieli

Diagnostic industry
Ulderico Mazzi

Conclusions:

Sergio Trevisanato, Veneto Region

■ Molecular medicine in archive

14.00-17.00 - [Room 7A](#)

Chairmen:

- Antonio Cardesa, Barcelona (Spain)
- Ratsko Golouh, Lubljana (Slovenia)

DNA analysis in archive tissues: translational research in human tissues

Generoso Bevilacqua, Pisa

RNA analysis in FFPE tissues and detection of molecular targets for therapy
Giorgio Stanta, Trieste

Molecular medicine: from morphology and immunohistochemistry to molecular analysis
Marco Volante, Turin

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Prediction of chemoresistance through gene expression profiles
Manfred Dietel, Berlin (Germany)

Laser microdissection in fixed and paraffin-embedded tissues
Andrea Cavazzana, Pisa

New fixation procedures for E & E, IC, IIC and molecular analysis
● Marco Bellini, Milestone-Bergamo
● Claudio Ghimenton, Verona

■ **Nanosciences and Nanotechnology – Patent protection in the interdisciplinary platform**
14.00-16.30 - **Room 1**
Workshop organized by Società Italiana Brevetti

Introduction and Chairman:
Elvio Mantovani, Nanotec IT

Scientific aspects and applications of nanotechnology
Renato Bozio, Chemistry and Physics Department Head, University of Padua

Nanotechnology patents at the European Patent Office: mastering interdisciplinary aspects
Manfred Scheu, Project leader of the Working Group for Nanotechnology, European Patent Office

Does the patent protection of nanotech inventions need a re-interpretation of the requirements for patentability?
Claudio Germinario, Bio/Nanotech – Italian Patent Society

I.P strategy and business
Paolo Picco, ST Microelectronics Intellectual Property Service Manager

■ **Presentation of the Italian Biotechnology Directory: Facts & Trends Analysis – Year 2005 Report**
14.00-15.00 - **Room 2**
Organized by Biopolo Scrl

The monitoring project of the biotech sector in Italy, initiated in 2000, aims at promoting this division. The 2005 Report, issued in English, is made up of an Analysis of the biotech sector in Italy, with particular attention to Life Sciences, including 21 interviews of figures from the Italian industrial world. The report also contains the updated info cards of 180 organizations involved in the Italian biotech industry subdivided in Businesses, Universities and Research Institutes, Associations and Foundations, Scientific Parks, Patented Studies, Investors and Institutions

Reports:

- Leonardo Santi, Chairman of the National Committee for Biosafety and Biotechnology - Presidency of the Board of Ministers
- Piergiorgio Monaci, Director, Department for Economic Activities and Innovation, Province of Milan

- Marco Foiani, Campus IFOM-IEO
- Leonardo Biondi, Project Manager of Biopolo

■ **Public liability in the medical sector**

15.30-18.00 - **Room 4**
Seminar organized by: CNA of Padua – Euromedical – The Padua Chamber of Commerce

Introduction:

Sandro Storelli, Coordinator of the Euromedical Project, Biomedical Sector, CNA of Padova

Welcome speeches:

- Gianfranco Chiesa, Chairman, Chamber of Commerce of Padova
- Sergio Gelain, Chairman, CNA of Padova

Review process of the 93/42 Directive on medical devices
Dino Malfi, CNA Expert on Community Rules – medical devices

La problematica della responsabilità Problems deriving from civil liability on products
Alberto Pasquali, NORMAPME – TB/TC 100, Chairman ISO TC 176/SC2 - Member

Civil and professional liability and the responsibility on defective products
Silvia Stefanelli, Lawyer, Expert on Health Rights

The relation between quality and safety for the guarantee of products
Giovanni Saccarola, Researcher at the University of Padova, Department of Chemical Processing – Environmental Quality Study Center

Analysis experiences and tests for products
Nicola Petrone, Ricercatore Researcher at the University of Padova, Department of Mechanic Engineering

Harmonized technical rule as a valid instrument for supporting the legislation on medical devices
Gian Luca Salerio, Coordinator, Section of “Wide consumption assets”

Friday April 22 2005

■ **National DNA Data Base for forensic purposes: scientific, legal, and privacy aspects**
10.00-12.00 – **Plenary Room**

Welcome speech:

Hon. Giuseppe Drago, Undersecretary of State, Ministry of Defence

Introduction and Chairman:

Giovanni Tinebra, Head of the Penitentiary Administration Department, Ministry of Justice

Reports:

- Bruno Chierchi, Deputy Prosecutor, Padua Court of Law

- Giovanni Chiello, President of the Padua Lawyers and Prosecutors Association

Genetics variability in human individuality

Giuseppe Novelli, Department of Biopathology and Image Diagnostics, “Tor Vergata” University, Rome

International overview of DNA data bases and their applications

Aldo Spinella, Senior Manager, Ministry of the Interior, Central Criminal Police, Scientific Police Service, Rome

New genetic tools in forensic science

Luciano Garofano, Director of the Forensic Science Lab of Italian Carabinieri, Parma

Moving to the setting up of a forensic science institute in Italy: international perspectives
Carola Parano, Director of the Monitoring Centre on Organized Crime – OPCO, Syracuse

Conclusioni:

Piero Luigi Vigna, Anti-mafia prosecuting magistrate

■ **Completion of a CGH method for the genetic definition of patients suffering from idiopathic mental delay, based on a DNA array from subtelomeric regions**
10.00-11.00 - **Room 4**
Workshop organized by AB Analitica Srl

Speaker:

Francesca Torricelli

■ **IP: a tool for developing a Biotech business?**

10.00-12.00 - **Room 7A**
Workshop organized by Studio Torta

Introduction and Chairman:

Paolo Picco, ST Microelectronics Intellectual Property Service Manager

Creating and developing a Biotech business in the zootechnical industry through the joint use of patents and trademarks – The PSS case (Porcine Stress Syndrome)
Rinaldo Plebani, European patent & trademark attorney, Studio Torta, Turin

Orienting research and development projects in the Biotech field through patents researches

- Francesco Fiussello, European patent attorney, Studio Torta, Turin
- Sara Cabodi, Researcher at the University of Turin, Studio Torta, Turin

Research and licensing contracts and agreements in the Biotech field
Chiara Luzzato, Lawyer, Studio Torta, Treviso

■ **Out of the lab: non conventional biotechnologists**

10.00-11.00 - **Room 1**

Workshop organized by ANBI-
Associazione Nazionale
Biotechnologi Italiani

Chairperson:

Maddalena Adorno, ANBI-Association
of Italian Biotechnologists

Participants:

- Marika De Acetis, Project Manager, Fondazione per le Biotecnologie
- Davide Ederle, Scientific Secretariat Director, Scientific Committee on Agricultural Biotechnology, Lombardy Region
- Angela Simone, Communication Manager, BioPop Consortium

■ **Partnering with Merck**

10.00-11.00 - **Room 2**

Workshop organized by Merck
Sharp & Dohme

Speaker:

Margaret Beer, Director, Licensing and
External Research, Europe -
Merck Sharp & Dohme



**ECOD-BIO Workshop
Sustainable
communication in
medical life sciences**

10.30-16.00 - **Room 7B**

10.30 – **Session I**

Bioethics

Chairman:

Elias Zafirakos - bioTIK, Denmark

Welcome speech:

Sen. Maria Elisabetta Alberti Casellati,
Undersecretary of State, Ministry of
Healthcare

Communication and Consent:

**Activity of the Italian National
Committee for Bioethics**

Michele Schiavone – University of
Genoa

**Biotechnology Development: Ethical
Reflections**

Leonardo Santi – Higher Institute of
Oncology

Ethics and Bioscience

Communication: the Way Forward

Johan Braeckman – University of
Ghent, Belgium

**Toward Sustainable Communication
in Medical Life Sciences**

Klemens Kappel – University of
Copenhagen, Denmark

Discussion

Chairman:

Elias Zafirakos - bioTIK, Denmark

12.10 pm

**Introduction to Afternoon Work
Groups**

14.00 – **Session III**

**Guidelines for a sustainable
communication**

**Discussione parallela in diversi
gruppi di lavoro**

**Parallel Discussions in Different
Work Groups**

*Participants can join different work
groups. Each group will be asked to
work out a set of guidelines for
sustainable communications*

15.30

**Conclusions of the Work Groups
presented in a Plenary Session**

16.00

Future of ECOD-BIO

Barbara Streicher - Dialog Gentechnik,
Austria

■ **Biotechnology and the
Environment**

14.00-17.00 – **Plenary Room**

Introduction:

Hon. Francesco Nucara, Vice Minister
of the Environment and Land
Protection

Chairman:

Luciano Caglioti, Full Professor of
Chemistry, "La Sapienza" University,
Rome

**Scientific research and management
of biodiversity**

Mario Scalet, Department of Biology
and Agroindustry Economics, School of
Agriculture, University of Udine

**Biofuels: a promising possibility as
an ecologically-sustainable
alternative to fossil fuels**

Vito Pignatelli, ENEA – UTS
Biotechnology, Health and ecosystem
protection

**Biotechnology and the Environment:
Profiles of economic sustainability**

Dario Frisio, Department of Agricultural,
Agroindustrial, and Environmental
Economy and Policy, University of
Milan

**Plant biodiversity and protection of
the Environment – Biodiversity of
the wild vine in Italy**

- Francesco Sala, Full Professor of
Botany and Plant Biotechnology,
University of Milan – Director of the
Milan Botanical Gardens
- Fabrizio Grassi, Department of Plant
Biotechnology, University of Milan

**Biotreatment of polluted soils with
phytodepuration**

Stefano Castiglione, Department of
Biology, University of Milan

Concluding paper:

Corrado Clini, General Manager,
Environmental Research and
Development Unit, Ministry of the
Environment and Land Protection