



**ANPA**

National Agency for the  
Protection of the Environment



European  
Commission  
DG Environment

# Soil and Biowaste in Southern Europe

---

**Report of Rome International Conference  
18-19 january 2001**

**Legal notice**

Neither the Italian Environment Protection Agency nor any person or Company acting on behalf of the Agency is responsible for the use that may be made of the information contained in this Report.

**Italian Environment Protection Agency**  
Via Vitaliano Brancati, 48 - 000144 Roma  
Technical Regulation Unit  
[www.anpa.it](http://www.anpa.it)

ANPA, Atti 3/2002

ISBN 88-448-0065-9

**Coordination and graphic processing**  
ANPA, Coordinated image  
Cover graphics: Franco Iozzoli  
Cover picture: Paolo Orlandi

**Typographic coordination:**  
ANPA, Integrated Strategies, Promotion and Communication Department

**Layout and press:**  
I.G.E.R. s.r.l. - V.le C. T. Odiscalchi, 67/a - 00147 Roma

Reproduction is authorised provided the source is acknowledged

Printed on TCF paper

Printed September 2002

# Summary

<b>SESSION I</b>	<b>1</b>
The role of biodegradable waste management in the fight against desertification and greenhouse effect (Rosanna Laraia, ANPA)	<b>3</b>
The role of biodegradable waste management for improving soil quality in the community (Luca Marmo Administrator, Sustainable Resources Unit, DG Environment, European Commission)	<b>9</b>
Soil and Terrestrial Environment (Winfried E.H. blum, University of Agricultural Science, Vienna)	<b>23</b>
The status of the Mediterranean soil (Jean-Paul Legros, Inra-Ensa Science du sol and Giannantonio Petruzzelli, Istituto per la Chimica del Terreno, Area di Ricerca CNR )	<b>27</b>
Industrial Contaminated Sites - Propectives in Southern Europe (Simonetta Tunesi, Environmental Expert)	<b>39</b>
Compost biotechnology in an integrated management of degradable organic waste and in the reclamation of disturbed soils (Giovanni Vallini, University of Verona - Department of Science and Technology, Laboratories of Microbial Biotechnology and Environmental Microbiology)	<b>53</b>
The Role of Anaerobic Digestion for the Production of Energy and soil Improvers (Franco Cecchi and Laura Innocenti, Department of Science and Technology University of Verona - Italy)	<b>63</b>
Compost – a burden on local authorities or an opportunity for sustainable agriculture? (Julio Berbel Vecino, Universidad de Cordoba)	<b>77</b>
Composting and biological treatment in Southern European 5ountries: an overview (Liliana Cortellini, Environmental expert and Enzo Favonio, Scuola Agraria del Parco di Monza Working Group on Composting)	<b>89</b>
<b>SESSION II</b>	<b>109</b>
An assessment of effective, optimised schemes for source separation of organic waste in Mediterranean Districts (Enzo Favonio Gruppo di Studio sul Compostaggio e la Gestione Integrata dei Rifiuti, Scuola Agraria del Parco di Monza and Francesc Giró i Fontanals, Generalitat de Catalunya, Junta de Residus)	<b>111</b>
Success Stories on Composting and Separate Collection. only a Question of Luck? (Simon Aumônier Environmental Resources Management Oxford)	<b>131</b>
Compost quality and market perspectives - the case of Portugal (Manuel Souteiro Gonçalves Agronomist, Ph. D Instituto Nacional de Investigação Agrária/Laboratório Químico Agrícola Rebelo da Silva)	<b>137</b>

From Waste to a Valuable Product - Quality Assurance Schemes for Compost Production (J. Barth, Informa Compost Consultants, Germany)	147
Use of sewage sludge in agriculture Presentation of an opinion from the Economic and Social ommittee of the EU (Staffan Nilsson member of the ESC, Member of the Board of the Federation of Swedish Farmers (LRF)	159
<b>PANEL DISCUSSION: THE Development of a Market for Compost</b>	<b>165</b>
Glòria Colom i puigbò (Organic Waste Department of Ceba Catalonia)	165
Silvia Calamandrei (Head of Division of the Section of "Agriculture, rural Development and Environment Protection of the Economic and Social Committee of the European Union)	168
Agostino Braga (Council of European Municipalities and Regions)	169