C3P and NASA Technical Workshop Agenda

"Integrating Common Problems

for

Shared Solutions"

19 September 2003

Organized by C3P (Centro Para Prevenção da Poluição) and NASA (National Aeronautics and Space Administration) at

> Instituto Superior Técnico Av. Rovisco Pais Lisboa, Portugal

Workshop Objective:

- Develop common understanding of program philosophy, joint pollution prevention (P2) program guidance, tools, project development methodology, and expectations to accomplish common P2 projects with shared solutions.
- Hear presenters from government, industry, and small and medium enterprises (SMEs) regarding P2 needs.
- Identify industrial project partners among United States, Portuguese, and European Union interests.
- Finalize locations and plans for initiating formal P2 projects.

9:00-9:10 AM Welcome H.E. Minister for Cities, Territoria
7.00-3.10 AW VEICOME
Planning, and Environment
9:10-10:00 AM History/Program Overview Gen. Pelágio Castelo Branco,
 Program expectations and inter-relationships C3P and
 Project methodology Dr. Robert Hill, NASA AP2
10:00-10:45 AM Chemical Product Regulations Dr. David Andrews, BAE and
Impact in Transatlantic Relations Dr. Olga Dominguez, NASA
Panel Session
10:45-11:00 AM Coffee-Break All
VOC's Panel: Eng. João Gomes
11:00-11:30 AM Project Area #1 Eng. Sónia Ferreira and
Volatile Organic Compounds (VOCs) Eng. Matt Rothgeb, NASA AP2
Emission Control: Control release until
low VOC materials/processes are
qualified.
11:30–12:00 AM Project Area #2 Eng. Ana Claudia Casinhas
Reduction/elimination of VOCs (MEK,
MIBK, TEC, etc.) in cleaning applications Dr. Kevin Andrews, NASA AP2
12:00-12:30 PM Project Area #3 Eng. Marco Estrela and
Identification, Demonstration and Validation: Levyles VCC points, coatings
Validation: Low/no-VOC paints, coatings, inks, and adhesives.
12:30-2:00 PM Lunch All
2:00–2:30 PM Project Area #4 Eng. Sónia Ferreira and
Reduction/elimination of emissions:
Hexavalent-chrome (Cr ⁶) plating baths.
2:30-3:00 PM Project Area #5 Eng. Eduardo Lopes, ISQ and
■ Lead-Free Solder Dr. Robert Hill
3:00-3:20 PM Heavy Metals in Aerospace Processing – Dr. Robert Hill
Successes and Challenges
3:20-4:10 PM Project Area Overview: Dr. Robert Hill
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Technology Migrations Opportunities:
Low/No VOC Coatings
(Powder Paint, Non-Chrome Primers,
and Labeling System for No VOC
Marking) and
Oxygen Line Cleaning Dr. Jerry Strauss
4:10-4:30 PM Break All
4:30-4:50 PM Project Area #6 Eng. Rui Neto, INEGI and
■ Lead-Free Copper-Zinc Alloys Prof. Jorge Lino, INEGI
4:50-5:15 PM Project Area #7 Prof. António Ferreira, INEGI
 Polymer Concretes
5:15–5:45 PM Program/Project Process Review and Prof. J.Silva Gomes and
Actions/Next Steps Dr. Robert Hill
5:45–6:00 PM Workshop Summary and Closure President of Environment
Institute