

# Preserving Past for the Future with Radiation



**C.C. PONTA**

International Atomic Energy Agency Scientific Forum

**ATOMS IN INDUSTRY**

Radiation Technology for Development

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# CULTURAL HERITAGE

PAST



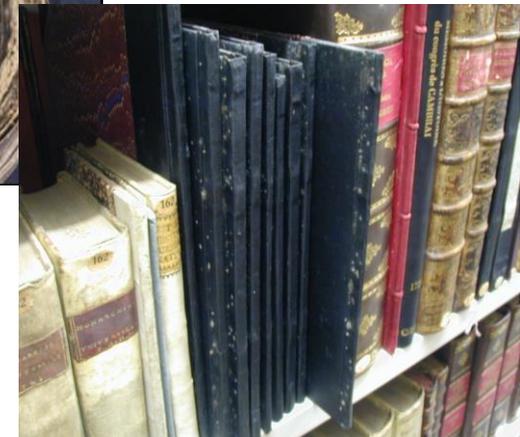
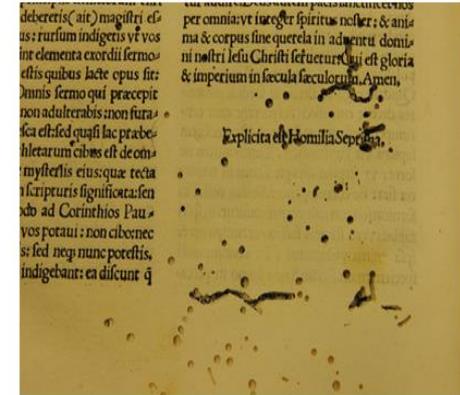
FUTURE



# IDENTITY IN GLOBALIZATION

# WHY: DISINFECTION

artefacts of organic origine – wood, paper, leather, textile et al

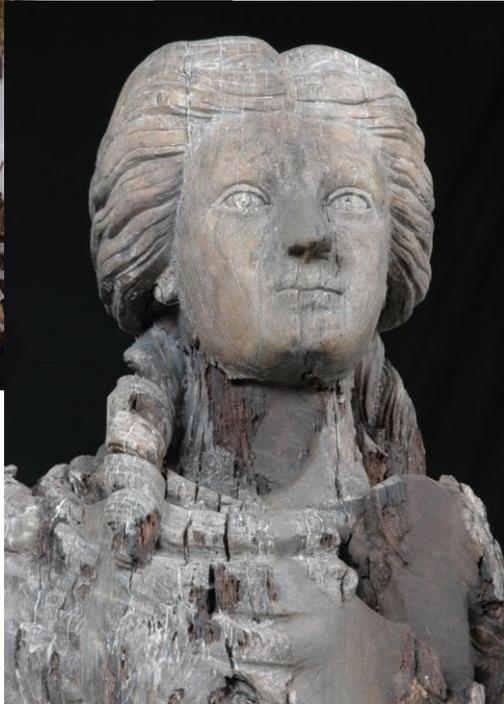


# WHY: CONSOLIDATION

fragile porous artefacts, waterlogged wood

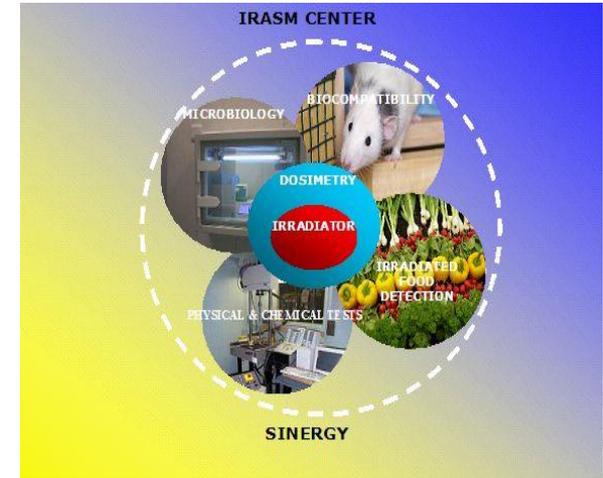
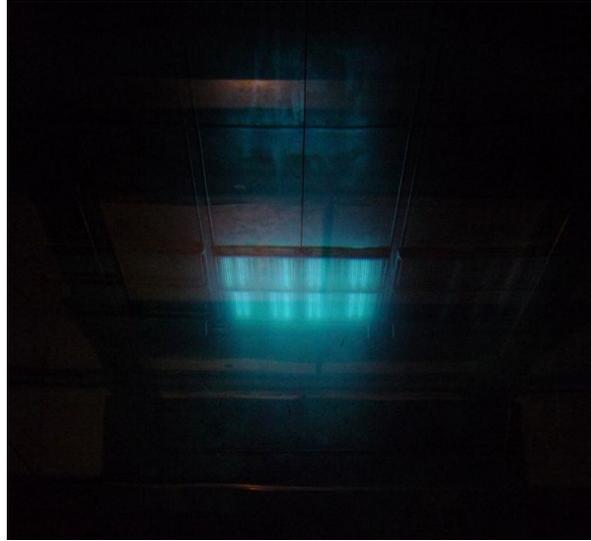


Nucléart  
method



# WHERE

industrial irradiators (many) or dedicated facilities (few)



# WHEN

mass contamination, flooding, war



# WHEN

emergency intervention for large structures or assemblies



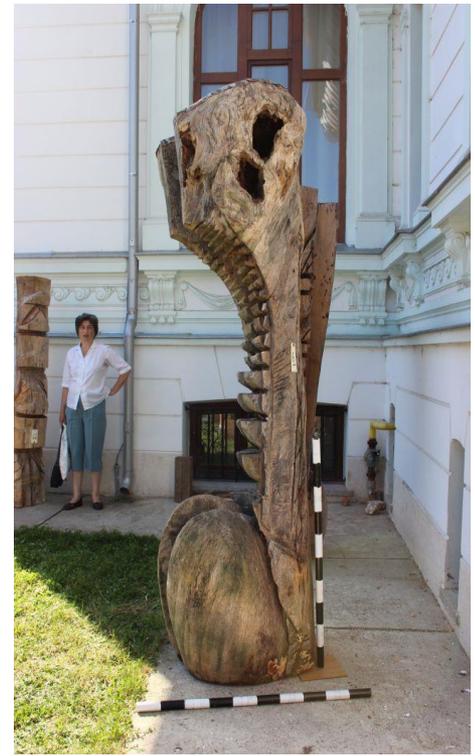
# HOW

to fit available space – packaged, dismantle if necessary



# DIVERSITY

from mummies to modern art



Most illustrations of this presentation are from the paper mentioned below. It is the first book that assembles and discusses most important scientific aspects, showcases selected from world wide countries and state of the art in radiation preservation of cultural heritage.

**Ionizing Radiation for Tangible Cultural Heritage Conservation**  
**Eds J. Havermans & C.C. Ponta**  
**IAEA Radiation Technology Series**

**Thank you!**