

IRG/WP 08-10640

# **Biodeterioration of cultural monuments in the Republic of Macedonia**

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- Research on biodegradation 2004-2006,  
**Macedonia**
- Inspected 38 cultural monuments:
  - Monasteries
  - Churches
- **Attention:**  
Wood-decay basidiomycetes & moulds



# Results

- 15 of inspected monuments with fungal damage
- Totally 32 macromycetes and micromycetes
- Damage:
  - Indoors wood (ceilings, stairs, roofs)
  - External wood (gateway, bridge, door, roofs, stairs)
  - Wall paintings
- Decay fungi dominated in **roof constructions**
- Majority of basidiomycetes:
  - White-rotters (81%)
  - Brown-rotters (19%)
- Moulds (*Cladosporium*, *Aspergillus*, *Fusarium*)

# Acknowledgements

ES INTEGR project WOODPRO,  
QLAM-2001-00360

