



Cultural Heritage Identity Card

# Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung E.V. (FRAUNHOFER)

Germany



## Fraunhofer

IBP

Steering Committee Member  
Johanna Leissner / Ralf Kilian



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# Joseph von Fraunhofer (1787 - 1826)



**Researcher**  
discovery of "Fraunhofer Lines" in the sun spectrum

**Inventor**  
new methods of lens processing

**Entrepreneur**  
head of royal glass factory



ZV-A2/ Juni 03



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## Fraunhofer Profile in 2009



**60 Institutes**  
**16 000 employees**  
**€1,4 billion research budget**

**9 Alliances**


- Microelectronics
- Production
- Information and Communication Technology
- Materials and Components
- Life Sciences
- Surface Technology and Photonics
- Building
- Sustainability
- Defense and Security Research




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## Core Competences of Fraunhofer IBP

- Acoustics
- Noise Protection
- Energy Efficiency
- Energy Systems
- Lighting Systemes
- Chemistry
- Microbiology
- Hygiene
- Life Cycle Assessments
- Indoor Environment
- Hygrothermal Simulation
- Durability
- Monument Preservation
- Preventive Conservation



**SEVENTH FRAMEWORK PROGRAMME** 

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**European Competence Center for Energy Efficient Renovation of Old Buildings and Preservation of Cultural Heritage**

- Demonstration of restoration in accordance with preservation of the historic building
- Applied research at a real historic building
- Simulation and measurements
- Dissemination
- Workshops, seminars and professional advice



- Information on restoration of historic buildings
- for architects, craftsmen, restorers / conservators
- and stakeholders



**„Sustainable Preservation of Cultural Heritage“**

Kompetenzzentrum  
energetische Altbauanierung  
und Denkmalpflege




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**Climate for Culture**

- Damage risk assessment, macroeconomic impact and mitigation strategies for sustainable preservation of cultural heritage in the times of climate change






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## Major relevant references

- Clustering is planned / possible with:
  - Climate for Culture
  - Sustainable Refurbishment of Museums
  - European Competence Centre for Sustainable Refurbishment and Monument Preservation
  - National Projects on Monument Preservation
  - future E2B Projects



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## Project Team

- Researchers and major personnel engaged in CHIC
  - Dr. Johanna Leissner, Fraunhofer ISC
  - Ralf Kilian, Fraunhofer IBP
  - Dr. Britta v. Rettberg, Fraunhofer IBP
  - Dr. Martin Krus, Fraunhofer IBP



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## Links in benefit of CHIC

- Fraunhofer IBP representatives are members of the following organisations/panels:
  - CEN / TC 346 "Conservation of Cultural Property"
  - VDL AK Bautechnik (Building), Germany
  - VDR Preventive Conservation WG, Germany
  - WTA Association
- Contacts to Bavarian State Office for Monument Preservation / City of Bamberg, UNESCO

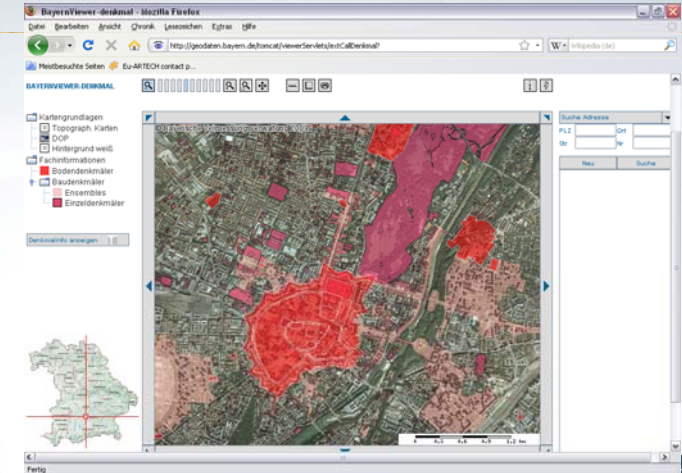





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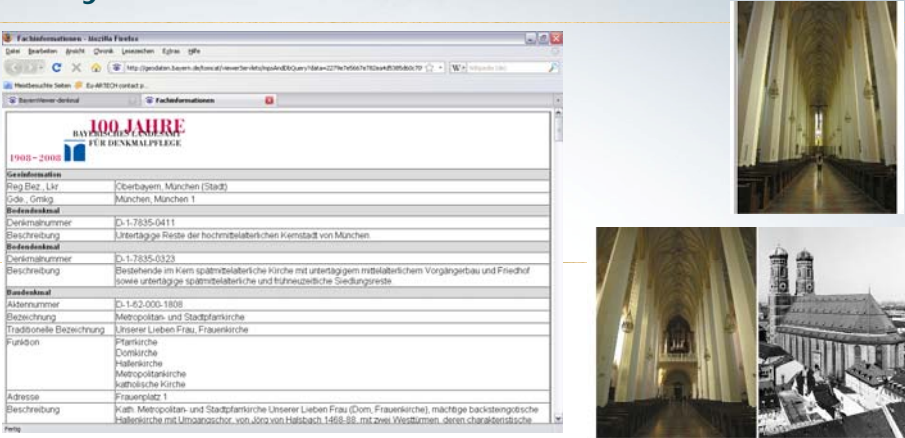
## „Bayern Viewer Denkmal“

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## Bayern Viewer Denkmal



1908-2008 100 JAHRE BAYERISCHES GENESAMT FÜR DENKMALPFLEGE	
<b>Siedlungszone</b>	
Reg. Bez., Lkr.	Oberbayern, München (Stadt)
Gde., Gmkg.	München, München 1
<b>Denkmal</b>	
Denkmalnummer	D-1-7235-0411
Beschreibung	Untertägige Reste der hochmittelalterlichen Kernstadt von München
<b>Denkmal</b>	
Denkmalnummer	D-1-7235-0323
Beschreibung	Bestehende im Kern spätromanische Kirche mit untertägigem mittelalterlichem Vorgängerbau und Friedhof sowie untertägige spätromanische und frühneuzeitliche Siedlungsreste
<b>Denkmal</b>	
Alternummer	D-1-62-000-1808
Bezeichnung	Metropolitan- und Stadtpfarrkirche
Traditionelle Bezeichnung	Unserer Lieben Frau, Frauentempel
Funktion	Pfarrkirche Domkirche Hallenkirche Metropolitankirche katholische Kirche
Adresse	Frauenplatz 1
Beschreibung	Kath. Metropolitan- und Stadtpfarrkirche Unserer Lieben Frau (Dom, Frauentempel), mächtige backsteingotische Hallenkirche mit Untertagebau, von Jörg von Halsbach, 1468-88, mit zwei Westtürmen, deren charakteristische
Foto	

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