



G1RT-CT-2001-05040



SAMCO Conclusions

Workshop 5

Helmut WENZEL

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- The Objective of day 1

What does our sector need ?

End Users point of view

- The Objective of day 2

6FP NMP 2

Search for successful proposals



- September 2003 start of a joint NSF-FHWA 20year program with a budget of 100 mio US\$

Advancing States of the Art and Practice of Engineering and Management of the Highway Transportation Infrastructure

- In the U.S. 600.000 bridges 160.000 deficient
- 1 Billion users cross deficient bridges every day
- 3.000 bridges become deficient every year
- Approximately 10.000 bridges are replaced annually
- Annual costs over 7 Billion US\$
- Europe has been invited to join ! How can we ?

USA facts (Dir. Ghassemi, 2003)

Schedule for Construction, Preparation of Experimental Research by E-Defense

	1998	1999	2000	2001	2002	2003	2004	2005
FACILITY CONSTRUCTION								
Foundation Works								
Experiment Building								
Component for Shaking Table								
Assembly and Installation								
Flushing								
Preliminary Operation								
EXPERIMENTAL RESEARCH								
Preliminary Experiment								
Experiment by E-Defense								
OPERATIONAL ORGANIZATIONS								
Advisory Council								
Operating Committee								
Hyogo Branch								
Support Company								

Operational this year ! Act now 2004



**act now !!!!
2004**

**Research, Education, Technology Transfer,
Workforce Development**

Ten-Year Operation by NEES Consortium, Inc.

Construction Completed; NEES Operations Funded (Oct 2004)

◆ **NEES Consortium, Inc. Operations Proposal Submission (Oct 2003)**

◆ **NEES Research Solicitation Issued (Summer 2003)**

◆ **NRC NEES Research Agenda (Summer 2003)**

◆ **NEES Consortium, Inc. Formed (Jan 2003)**

**Five-year \$82 million MREFC
4 program solicitations**

◆ **NSB MREC Approval**

USA

**Community
Planning**

1998

2000

2002

2004

2006

2008

2010

2012

2014

Federal Fiscal Year

NEES TIMELINE

vce



- There is the US\$ 100 mio NSF-FHWA project
- There is the US\$ 260 mio NEES project in US
- There is the US\$ 500 mio E-DEFENSE project in Japan
- There are huge projects in China ongoing
 - We have the 2 mio € SAMCO in Europe
- They and we want international collaboration
- They started projects and have huge funds
- **Without an IP Europe will be excluded !!!!!**

Conclusions