



# **BioTrusT - Objectives**

### **Support E - Commerce in Germany**

- Proof of Confidentiality of Applications
- Acceptance by the User

### **Scientific Research**

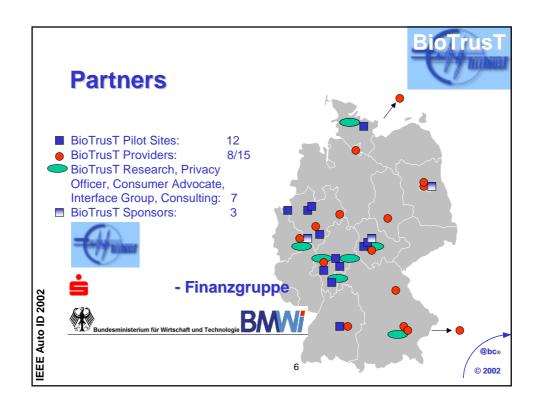
- Understanding the full scope of Biometric Systems in Use
- Development of Interfaces and Standards
- Evaluation of the Acceptance by the User
- Evaluation of Data Protection and Security Requirements
- Evaluation Consumer Protection Requirements

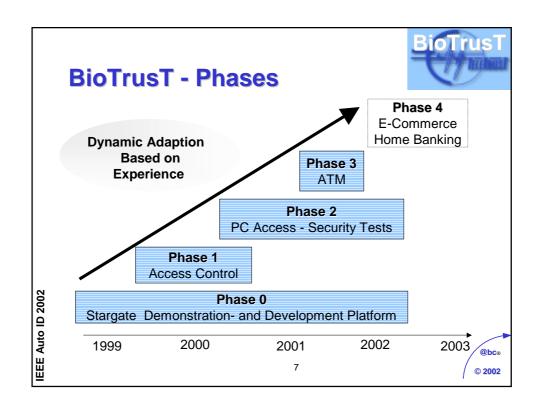
## Lower the Market Entrance Barrier for (German) Biometric Sytems

- Evaluation of Biometric Systems
- Drive for Innovation

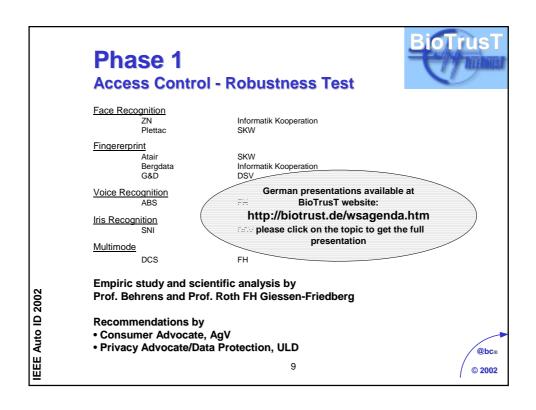


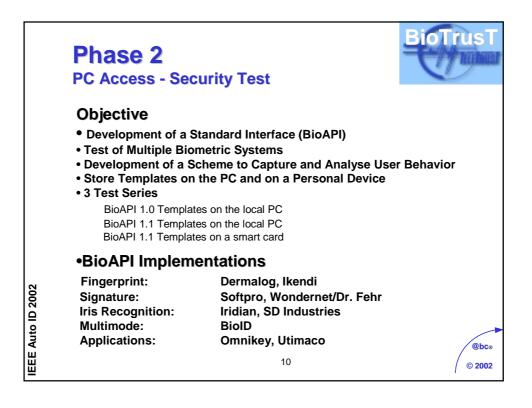
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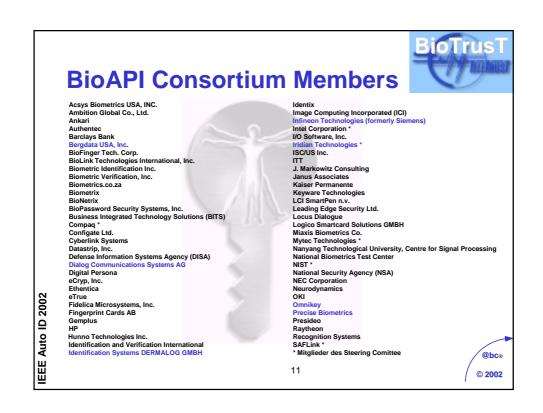


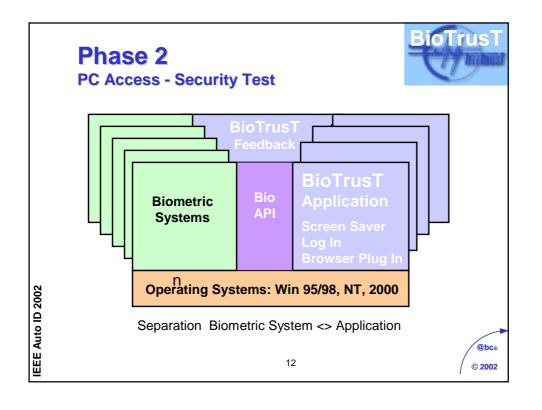


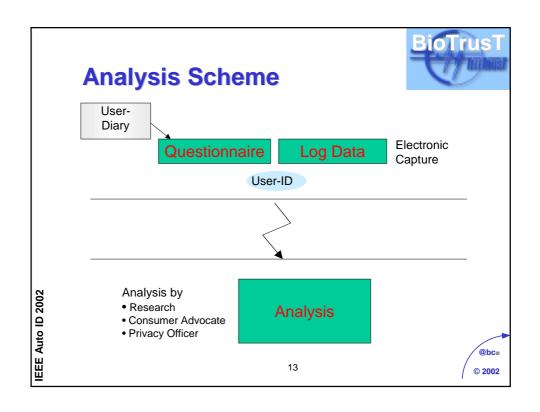


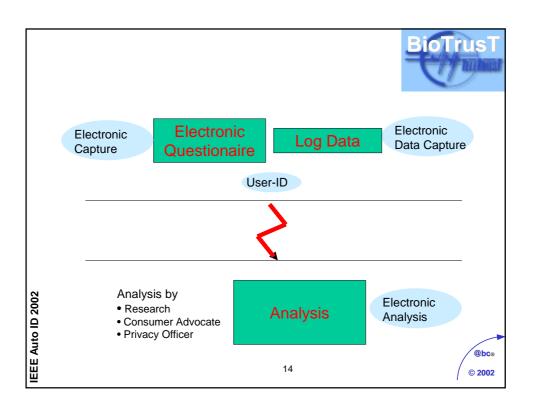


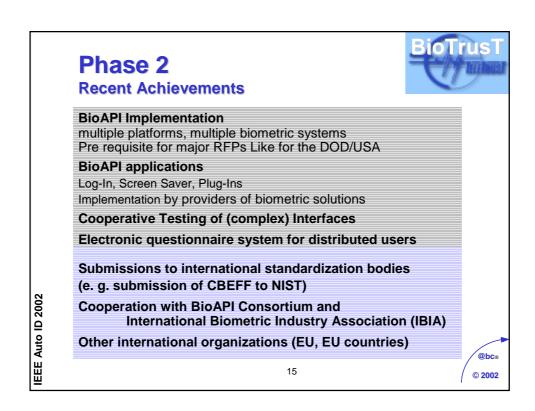


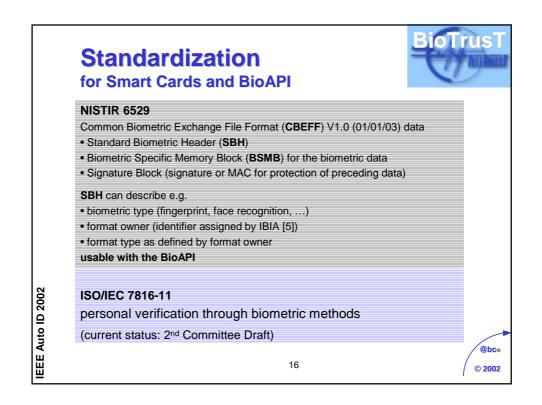












# Phase 3

## **Evaluation of the ATM Environment**



### **Objective**

Evaluation of the requirements for biometric identification as replacement of the PIN

- Banking specific aspects
- Consumer Advocate's aspects
- Privacy Officer's aspects
- General guidelines

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# **Summary**

# **Project Organization > A Learning Project**

- Dynamic Adaption Based on Project Progress
- Challenge: Priority Management of Project Partners
- Standard Interface Based on BioAPI
- Analysis Scheme and Tools for a Mass Test
- Significant International Recognition

### Joint Working Groups > Unique Skills

- \* Consumer Advocate Privacy Advocate Research
- Jointly Developed Questionnaires for Users, Providers, Operators
- Analysis and Recommendations Individually

### Scheme to Evaluate Biometric Security in Cooperation

\* BSI, Dt. Telekom, BKA, BioTrusT, .....

### **Workshop Presentations Available on the Website**

- http://biotrust.de/ws020328.htm (Workshop March 28, 2002)
- http://biotrust.de/ws050601.htm (Workshop June 5, 2001)
- http://biotrust.de/wsagenda.htm (Workshop May 3, 2000)

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# What did we learn - I

### Biometric recognition methods

What happens if lab results are subjected to real life environments Difficulty to achieve FRRs and FARs in real life

#### Reference data - template

How are templates stored

- on a server or the local PC
- on a personal secure device (smart card, ITSEC E4 high)

### 100% recognition - impossible

Decisions to use biometrics for PC access Management decisions within larger organizations

#### **Problems**

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How to handle problematic users There was always at least one person...

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### Stability of the methods

User surveys show the demand for robust procedures usable in everyday life.

### Privacy and consumer protection

Recommendations were developed, within BioTrusT, to prevent misuse

### Which applications can be enhanced with biometric identification

How to mange cost Is there a business case

### What needs to be done

Standards are essential

Large test beds are needed to validate assumptions and cost savings claims

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# **Thank You for Your Attention**



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