**BioAPI Java Project**

Enable creation of Java-based biometric applications

---

**Motivation**
- Current BioAPI 2.0 standard specifies API expressed in C language.
- AIM - two Java APIs semantically equivalent to C APIs specified in ISO/IEC 19794-1.

**Impact**
- Enable creation of new BioAPI compliant applications written in Java.
- Create a market for Java BioAPI compliant products.
- Increase level of adoption of BioAPI by offering interoperability.
- Provide experience in coding an API to an ISO/IEC standard specification.
- Provide experience of working with standards committees.

---

**Software Application**

- BioAPI Interface Layer
- BioAPI Framework
- BioSPI Layer
- BFP/BSP

---

**Milestones**
- September '06 - Initiated BioAPI Java project.
- February '06 - INCITS M1 committee national project proposal approved.
- March '07 - Submit contribution & project progress to BioAPI Consortium
- April '07 - First draft of standardized interface.
- May '07 - Testing of interface.

---

**BioAPI 2.0 Specification**

- Top-Down Design
- Requirements Analysis
- Design
  - Class Layout Formalized
  - Project Divided into Modules
- Coding
  - Basic Types Defined
  - Module Structure Created
  - Functions Implemented
- Documentation
  - JavaDocs Written

---

Biometrics Standards, Performance and Assurance Laboratory

BioAPI™ Consortium