

## MOBIO Database

Christopher McCool

**MOBIO Review Meeting, Sep.16-17, 2009**

**EyePmedia – 1020 Renens**



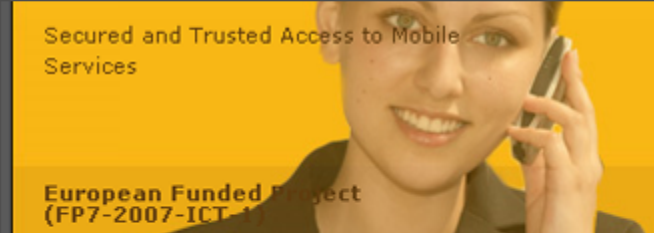
### MOBIO - Mobile Biometry

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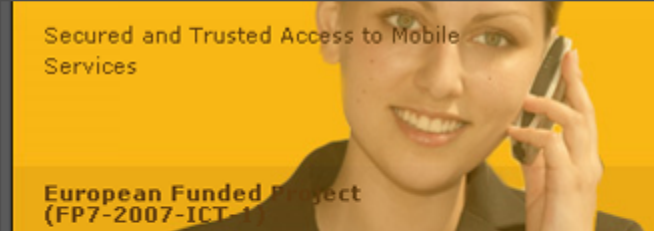
Be on the vibes





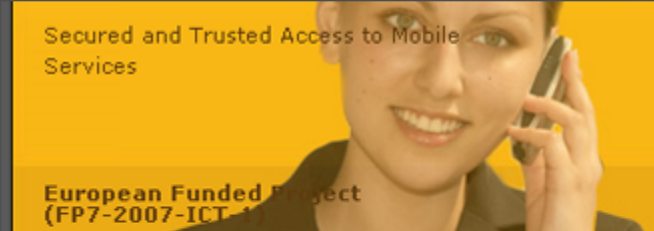
# MOBIO Database

- Overview of Database
  - Purpose
  - Amount of data
- Phasel
  - Summary
  - How we plan to use this database (ICPR 2010)
- Phasell
  - Summary
- Future Plans
  - Distribution of the database



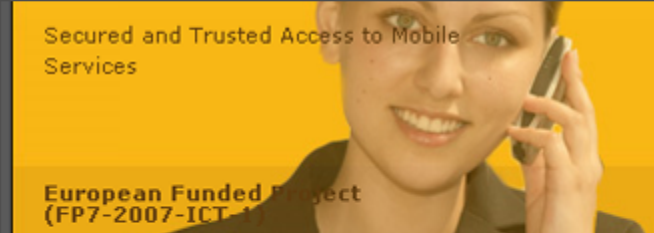
# Overview of Database

- Overview of Database
  - Multi-modal database
    - Face and speech
    - Captured on mobile devices (mobile phone, laptop)
    - Over an extended period of time
    - Applicable for several scenarios (Use Cases)
      - » Fixed questions
      - » One question read from paper
      - » Free-speech questions



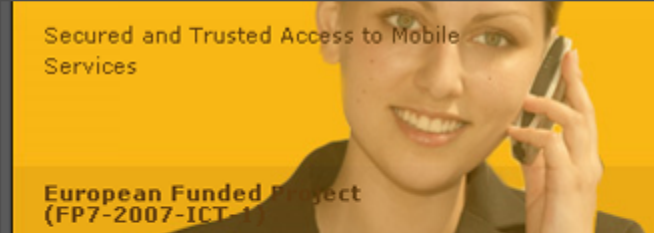
# Overview of Database

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  - One of the very few **video** face/speech databases
  - Planned to have at least 100+ users
  - 12 sessions per user
  - Over an extended period of time (~ 1 year)
  - Acquisition divided into two Phases
    - Phase I: initial acquisition (at least 40% of the database)
    - Phase II: final acquisition (the remaining parts of the database)



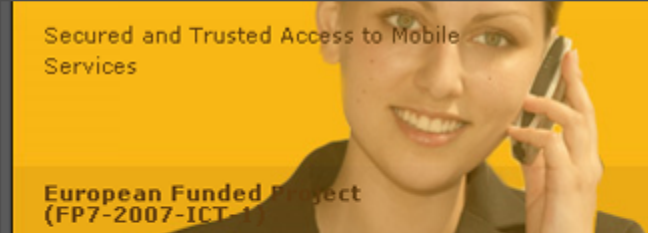
# Phasel

- Summary
  - Collection for Phasel has been successfully completed
    - All sites contributed
    - Total users: 158
    - Sessions per user
      - » Mobile phone: 6 sessions
      - » Laptop: 1 session (enrollment)
  - Data per user
    - Approximately 30 minutes of data per user



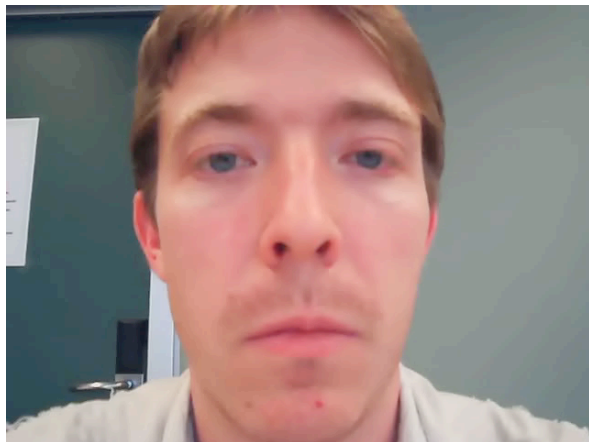
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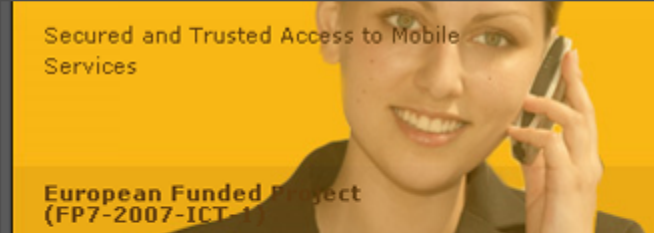
- Plans for Usage
  - MOBIO Face and Speaker Verification Evaluation (at ICPR)
    - Distributing some of the Phase I data to participants
    - Developing a simple protocol
      - » Using mobile phone data
    - Provides international coverage



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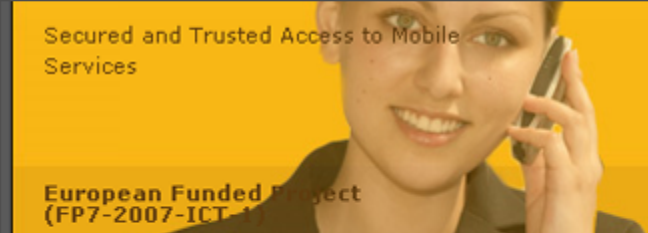


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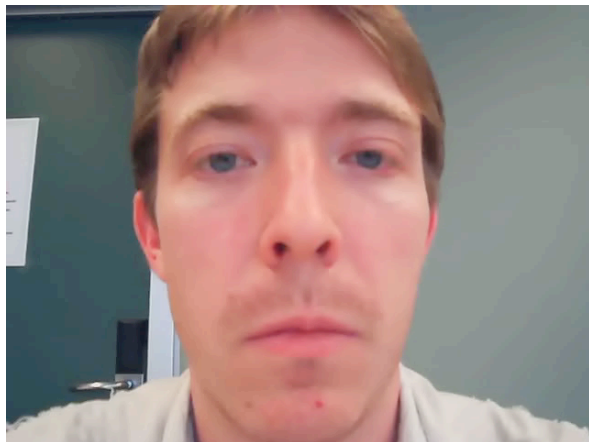






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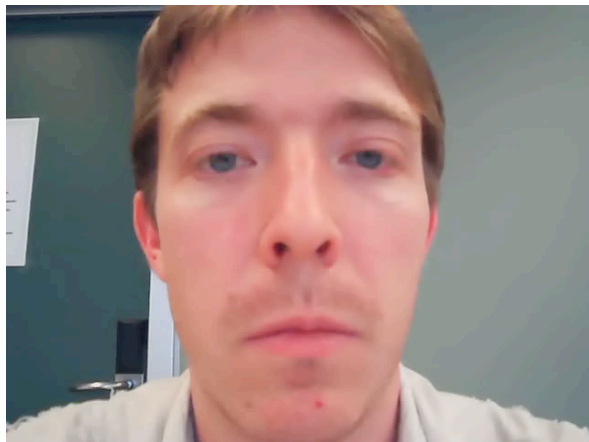


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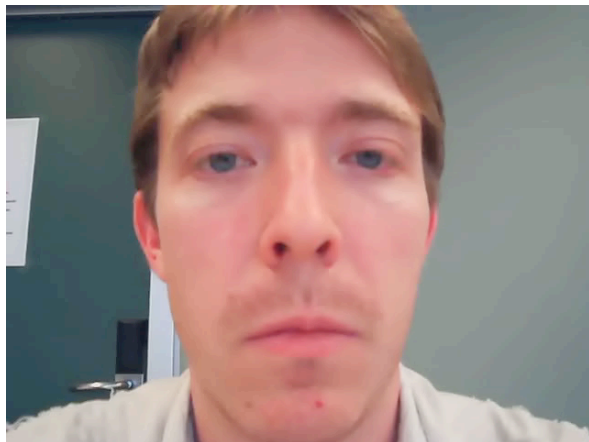


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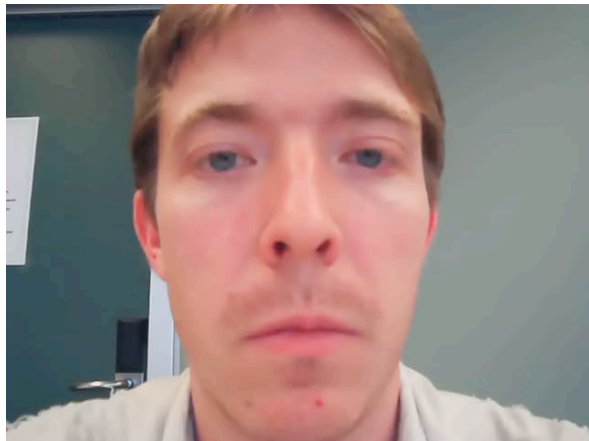
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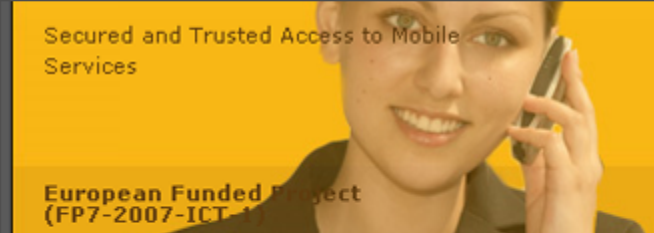
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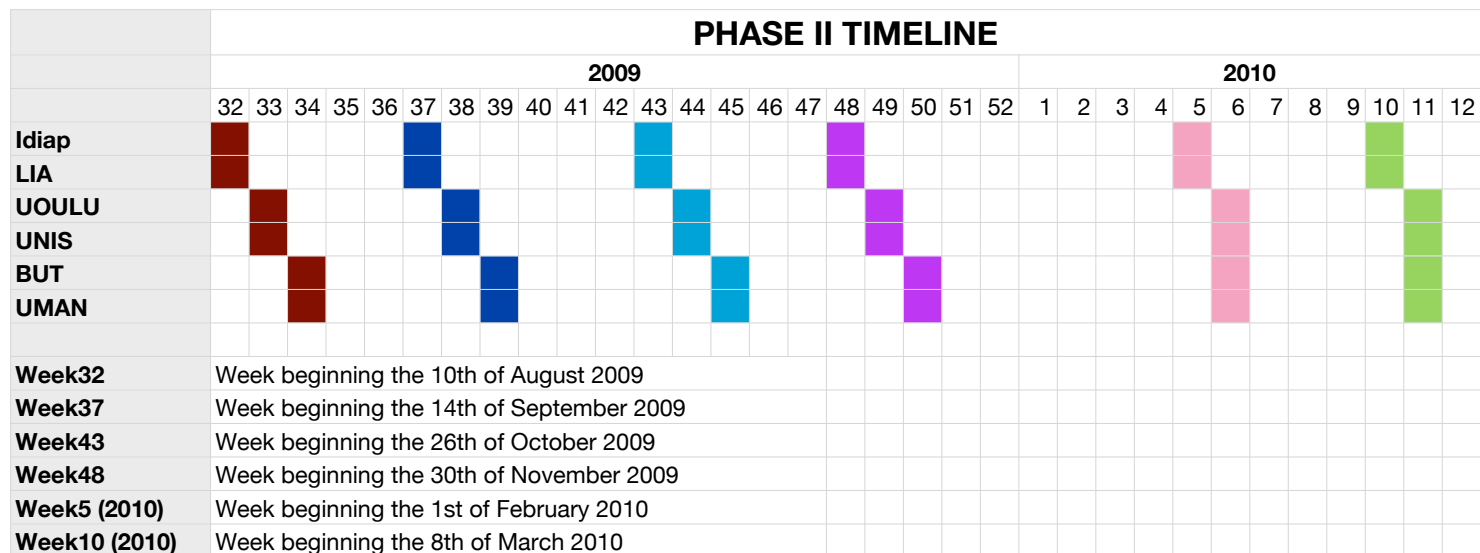
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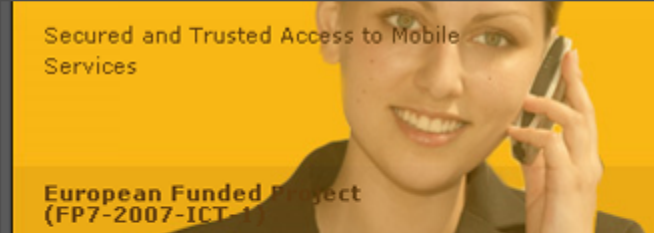




# Phasell

- Summary
  - Second phase of data acquisition
    - Provides the second half of the data
    - Capture has been simplified and shortened
      - » In the end approximately 1 hour of data per user





## Future Work

- **Advertisement and Distribution**
  - ICPR Competition
    - Hear a response by the 28th of September 2009
  - Joint paper on the use of the database
    - Describing the database and protocol
    - Informing the scientific community of baseline results
      - » One of the first large-scale audio-video face evaluations
  - Upload samples to website
    - To inform people about the database and how to get it
  - Consider other competitions





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**Thank you for your attention**