Digital Immortality: Reconstruction Based on Traces

(Plan C from the Immortality Roadmap)

**Main premises**
- Immortality problem
  - Future
  - Step 3

**Information retrieval approaches**
- Brain as black box
  - Information identity
  - Criteria for exact model
  - Renormalization of predictive facts

**Information collection**
- Life logging
  - Tests
    - Psychological tests
    - Other peoples opinions about me
  - Video
    - Photo
    - Association scanning
    - Medical information
    - Drawings
    - Reaction to complex stimuli
    - EEG
    - Screen capture
    - Environment recording
  - Audio
  - Memoirs

**Preserving**
- Clouds
  - Durable media
  - Virtual helper, avatar

**Future progress**
- AI creates model of the personality based on DI

**Personality resurrection**
- AI
  - Criteria of informational identity solved

**Planning DI**
- Integration with cryonics: helping revival of cryopatients

**Unsolved issues**
1. Observer identity problem, consciousness inside computer, information identity problem
2. Complex skills fixation problem
3. How much information about original is required?
4. How to promote the usefulness of DI?
5. How to record brain activity non-invasively?
6. How to record maximum useful information with minimum budget and effort?
7. How to determine your connectome and neural state in a living brain?
8. Is AI capable of DI-reconstruction, and if so, how to create it safely?