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MyBody

**Online Digital Assistance
(ODA)**

application toolbox

drs. H.M.L. van der Gun



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Presentation Contents

- Functional Design / Requirements
- ODA Technology platforms
- Data acquirement and presentation
- Demonstration
- Hands-on workshop (if possible)



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Universiteit Utrecht Functional Design / Requirements

- Multi-purpose / generic toolbox
- User-friendly
- Secure https / ssl
- Easy re-design and implementation of research
- Easy to use, but advanced questionnaire design application
- Possibility to produce feedback online
- Trigger alerts at specified (combination) of results
- High availability of the research data

The Toolbox can be used to build a wide variety of social/ambulatory assessment applications



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ODA Technology platform(1)

Main platform data-acquirement

- Linux -Apache
- Tomcat Java beans
- Postgress database
- SSL
- External SMS Gateway provider



Universiteit Utrecht ODA Technology platform(2)

Main platform data-entry

- PDA with MIDP Java-compiler
- Tested on PalmOS (Treo 600/650)
- Tested on SiemensOS (C65)
- Specialized Dairy Timer (Palm only)



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ODA Technology platform(3)

Main platform data-presentation

- Windows – IIS
- MS-SQL or MS-Access
- Waplix Toolbox
(Generic Database-web interface)



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Universiteit Utrecht Introducing ODA

- 1) Research Creator
- 2) Questionnaire creator
- 3) Filling in the questionnaire
- 4) Receiving research data en feedback
- 5) Data mining and presenting the results



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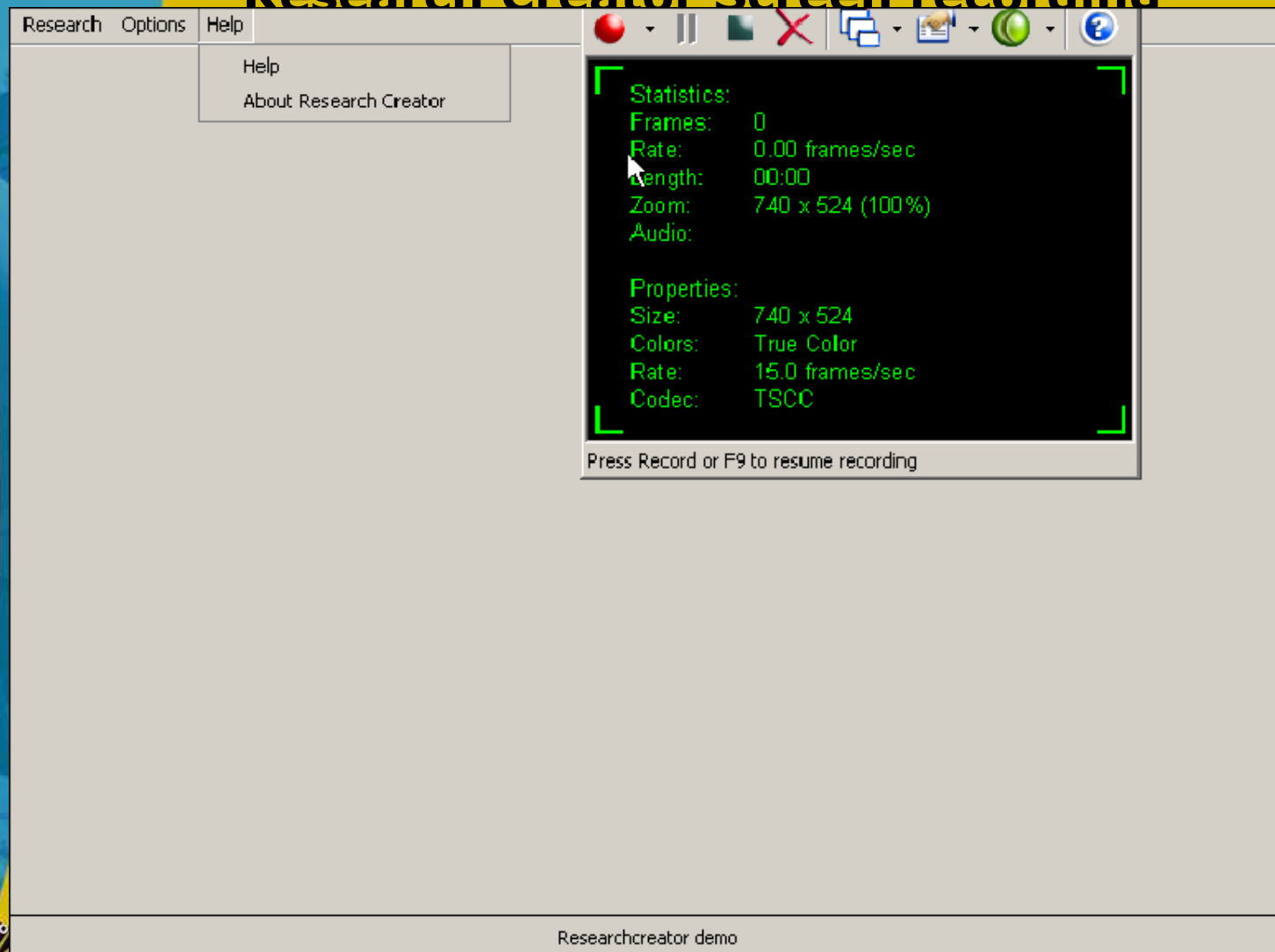
Universiteit Utrecht Research Creator

- Set up a research project
- Researchers / Patients
- Diagnosis
- Medication use
- Questionnaires



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Universiteit Utrecht Research Creator Screen recording



The screenshot shows the Research Creator software interface. The main window has a menu bar with 'Research', 'Options', and 'Help'. The 'Help' menu is open, showing 'Help' and 'About Research Creator'. A statistics window is overlaid on the main window, displaying the following information:

```
Statistics:  
Frames: 0  
Rate: 0.00 frames/sec  
Length: 00:00  
Zoom: 740 x 524 (100%)  
Audio:  
  
Properties:  
Size: 740 x 524  
Colors: True Color  
Rate: 15.0 frames/sec  
Codec: TSCC
```

Below the statistics window, a message reads: "Press Record or F9 to resume recording".

Researchcreator demo



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Questionnaire creator

- XML File
- Different *question types* (open, closed, options)
- Format design
- *Branching* of questions (conditional subset of questions)
- Computation of *alerts*



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Universiteit Utrecht Questionnaire creator



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Universiteit Utrecht The questionnaire

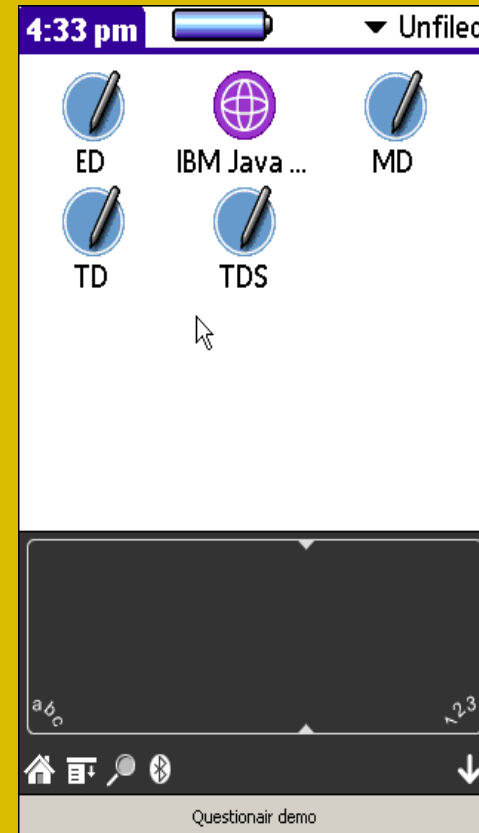
- Any place, anywhere
- At random generation of beeps
- User-friendliness
- Supported by most new phones



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Questionnaire Screen recording



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Receiving research data and providing feedback

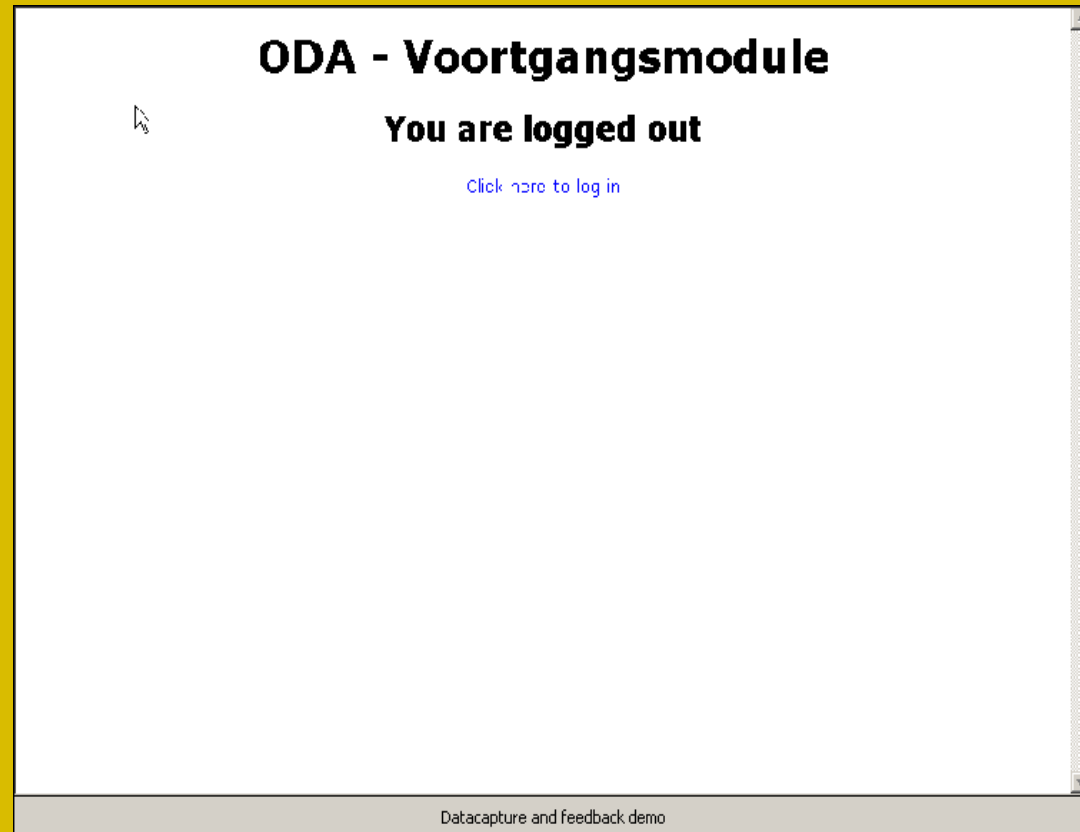
- Online evaluation of questionnaires / survey's
- Direct indication of alerts
- Respond with feedback (text and images)



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Research data and feedback Screen recording



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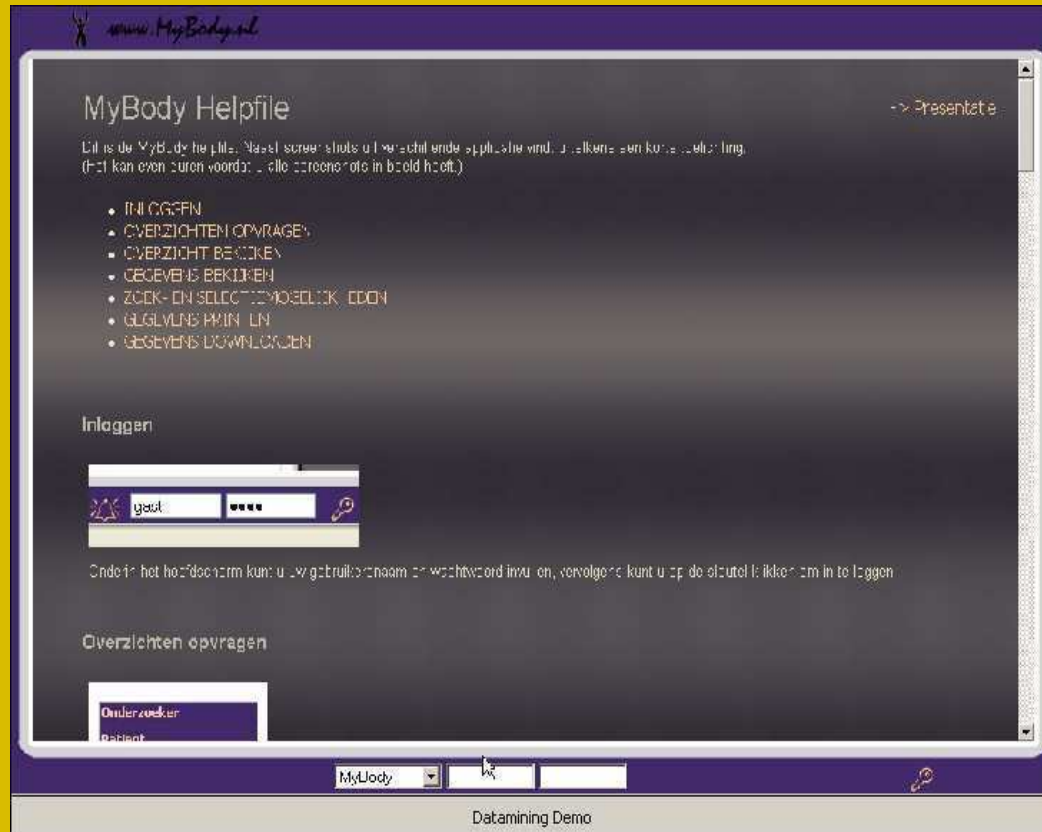
Universiteit Utrecht WapliX making research data available

- Data overview
- View Listing
- View Record details
- Search en Select data
- Download data (views)



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Universiteit Utrecht WapliX Screencam



www.MyBody.nl

MyBody Helpfile

-> Presentatie

Dit is de MyBody helpfile. Naast screenshots of verschillende applicatie vind je ook een korte uitleg.
(Het kan even duren voordat alle screenshots in beeld heeft.)

- INLOGGEN
- OVERZICHTEN OPVRAGEN
- OVERZICHT BEKIJKEN
- GEBEVENS BEKIJKEN
- ZOEK- EN SELECTIEMOGELIJKHEIDEN
- GEGEVENS WIJZIGEN
- GEGEVENS DOWNLOADEN

Inloggen

U kunt hier uw gebruikersnaam en wachtwoord invoeren, vervolgens kunt u op de knop klikken om in te loggen.

Overzichten opvragen

Onderzoeker
Recht

MyUcdy

Datamining Demo



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Universiteit Utrecht Workshop ODA

Get your hands on (one of) the following demonstrations:

- Online research data via a real-time database copy (real questionnaires, but falsified patient data)
- Test an environment and fill in a questionnaire and/or provide feedback to a patient
- Set up a research and develop questionnaires
- Analyse collected research data, select and download data



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**Thank you for your
attention!**

drs. H.M.L. van der Gun



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