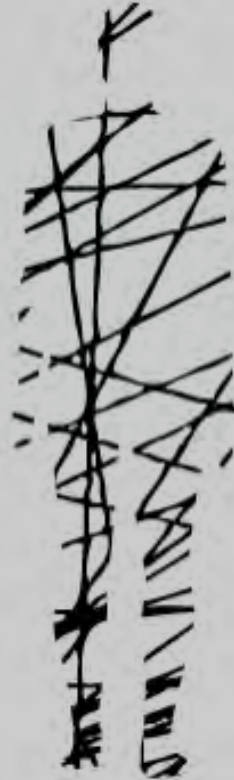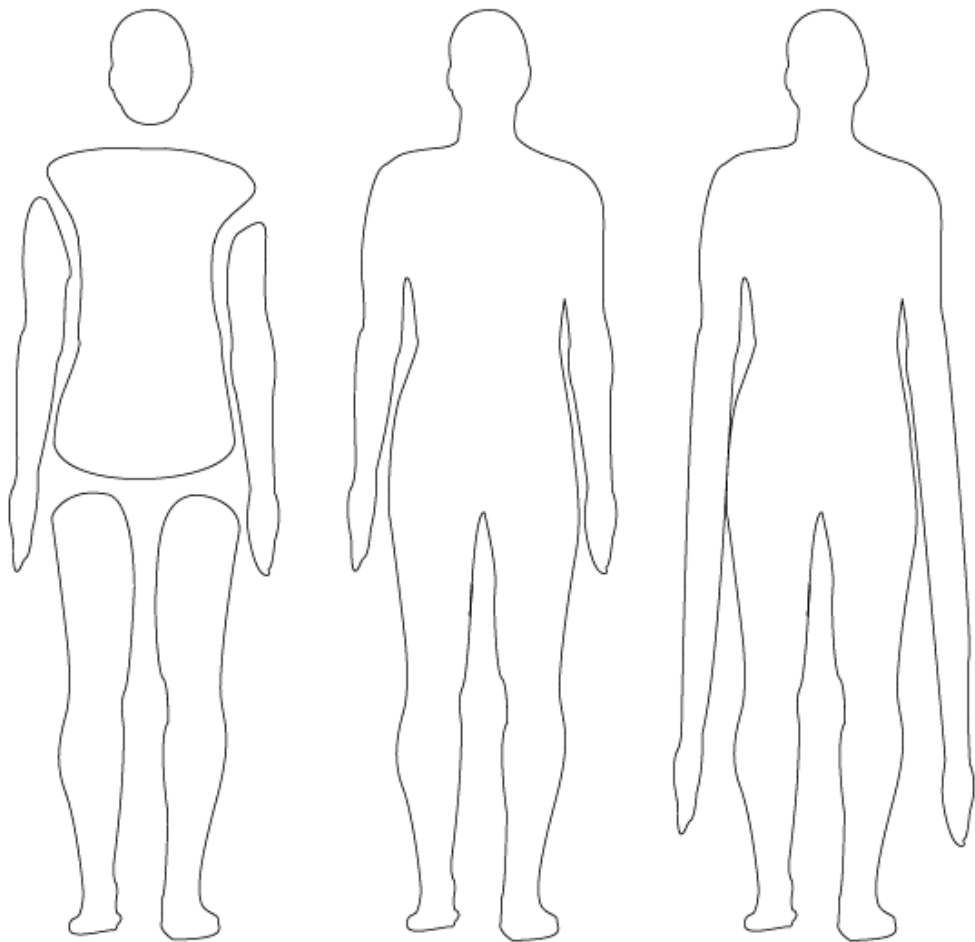**the disconnected self**

not   feeling   whole

not feeling comfortable with sensing your own body
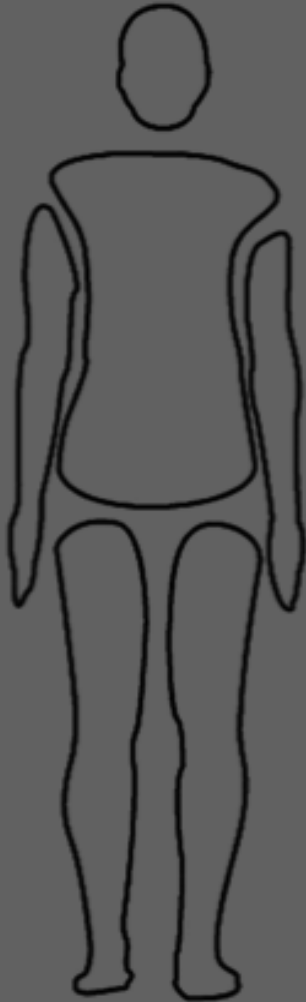
in the extreme: disorders like body dysmorphia, depersonalization

RE/CONNECT : RE/IMAGINE

RE/ME

BODILY WELL-BEING
BODILY CREATIVITY

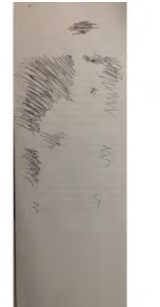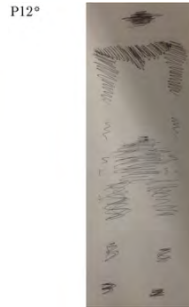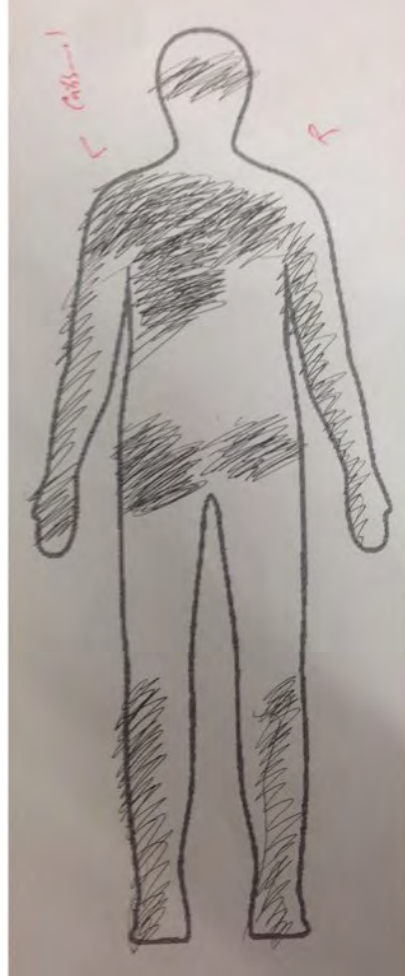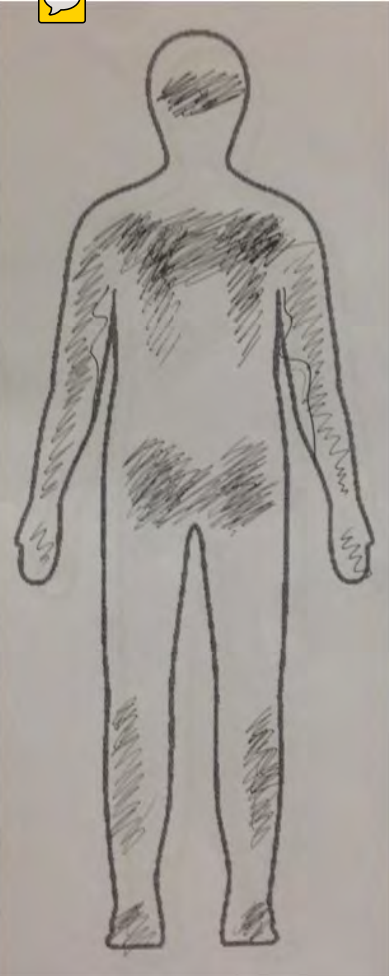# BODY AWARENESS HAS BEEN SHOWN TO POSITIVELY IMPACT

Pain Management

Intrusive Thoughts & Cravings

Emotional Trauma

Mobility & Stability

Self Perception

RE/ME
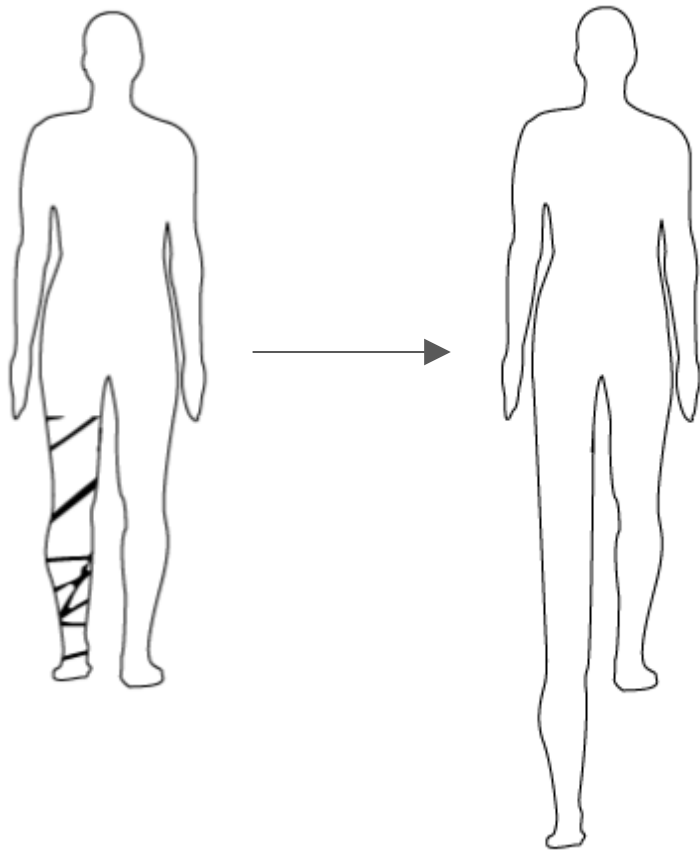
measurably fills in gaps in awareness in one's body.

Rosenkranz, K., & Rothwell, J. C. (2004). The effect of sensory input and attention on the sensorimotor organization of the hand area of the human motor cortex. *The Journal of Physiology*, 561(1), 307–320.
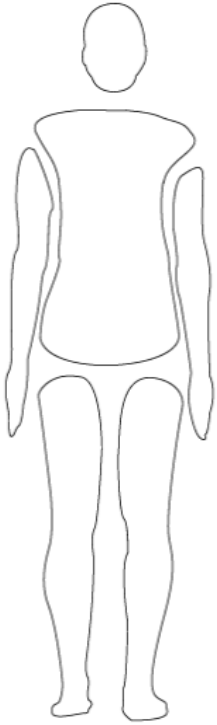
Maranan, D. S. (2017). *Haplós: Towards Technologies for and Applications of Somaesthetics* (PhD thesis). Plymouth University, UK.

RE/ME

changes the perception of the size and shape of one's body
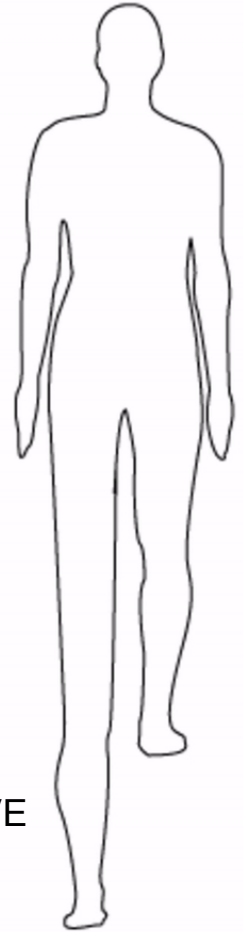
Maranan, D. S. (2017). *Haplós: Towards Technologies for and Applications of Somaesthetics* (PhD thesis). Plymouth University, UK.

DISCONNECTED   WHOLE   IMAGINATIVE

REATTACHMENT SYSTEM

REATTACHABLE MOTORS

EARPHONES

WIFI-READY MICROCONTROLLER

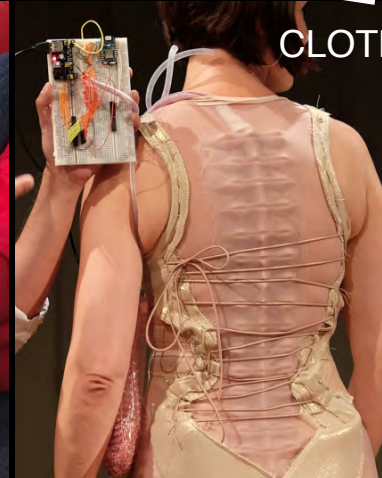VIBROTACTILE + SOUND COMPOSITION SOFTWARE

EQUIPMENT

FURNITURE

CLOTHING

http://tinyurl.com/re-me-video

DR. DIEGO MARANAN
Embodied cognition researcher

AGI HAINES
Speculative designer

JACK MCKAY FLETCHER
Computational neuroscientist

SEAN CLARKE
**Composer**

Previous Collaborative Works

- CogNovo Workshops (2014-2017)
- Off The Lip (2016, 2017)
- Conversations With Myself (2017)
- Acoustic Osteology (2017)
- If You Prick Us, Do We Not Bleed? (2016)
- ColLaboratoire (2016)
- Bisensorial (2016)
- Drones With Desires (2015)

Partner Institutions and Supporters

Royal College of Art
Postgraduate Art and Design

Curiosity.

PLYMOUTH UNIVERSITY

1908

SPACE ECOLOGIES ART AND DESIGN

MARIE CURIE ACTIONS
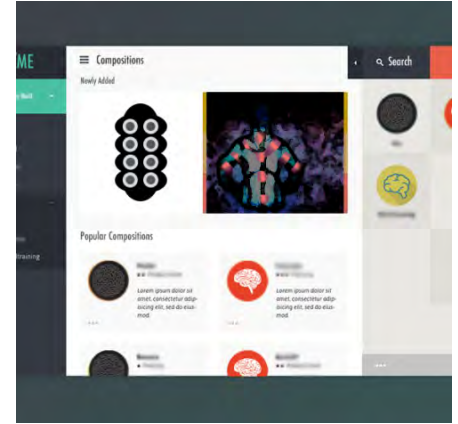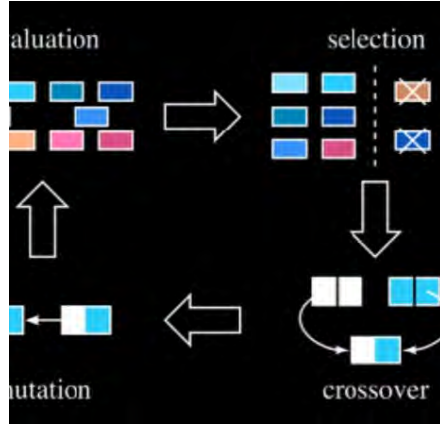
Next Steps

1. Build more interest in the work; we want people to experience RE/ME

2. Explore user interactions

3. Test our neurofeedback model

4. Develop and launch developer kit

5. Launch community of developers

RE/ME
installation at DART 17

Building interest

Softly lit room

Comfortable "RE/ME fitted" pod

Tablet with RE/ME interface to guide
users to their desired experience

RE/ME installation at DART 17

Exploring user interactions

Use installation as a research tool to explore user interactions.

Francis, K. B., Haines, A., & Briazu, R. (in preparation). Thinkering through experiments: Considering the veracity and materiality of testing tools. *AVANT: Trends in Interdisciplinary Studies*.

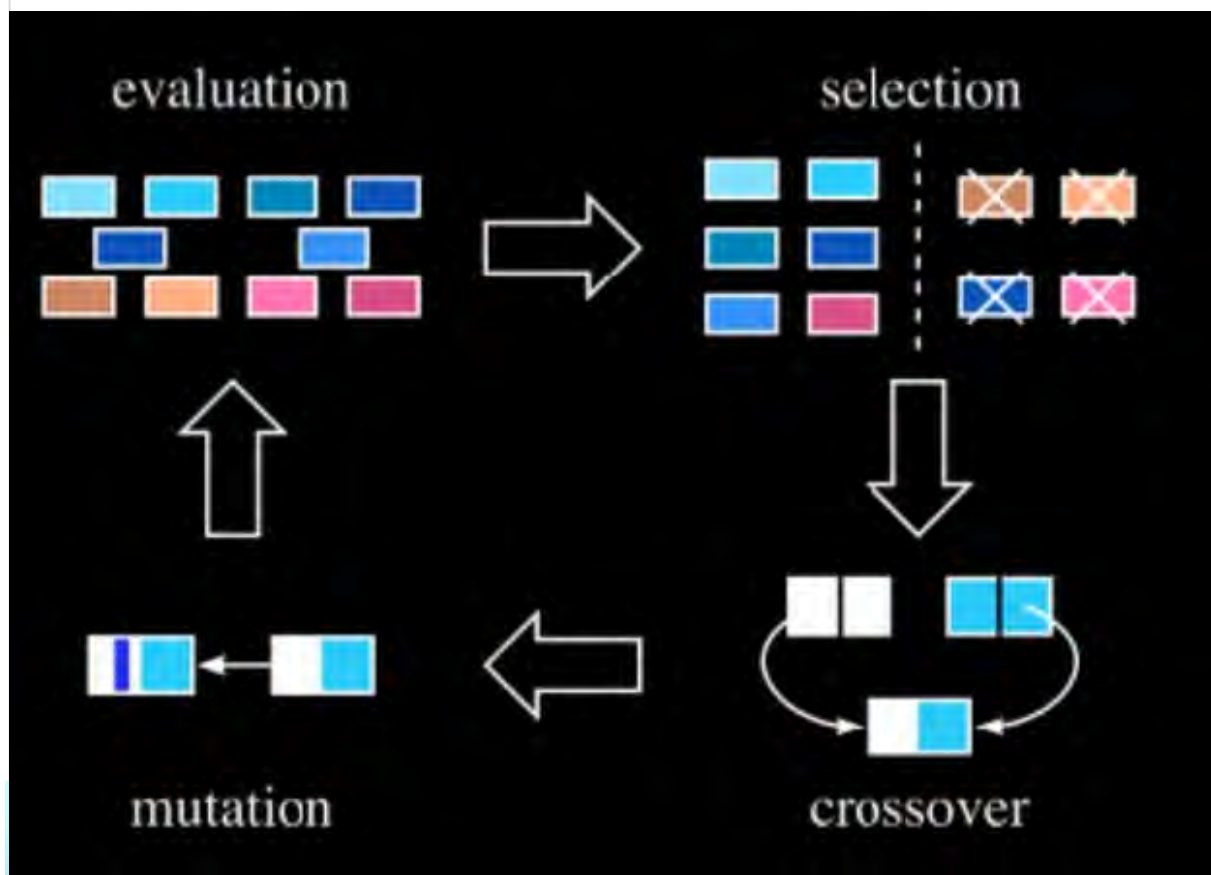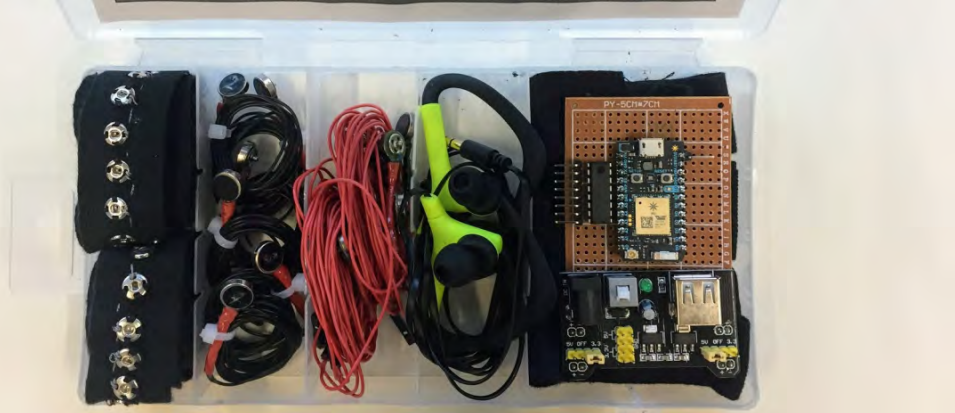Example of a RE/ME user interface for the installation
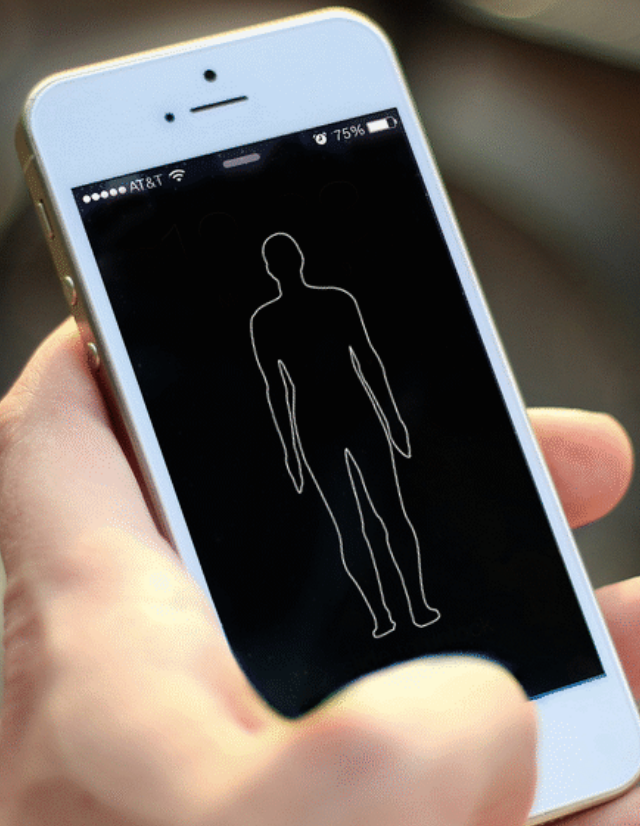
RE/ME installation at DART 17
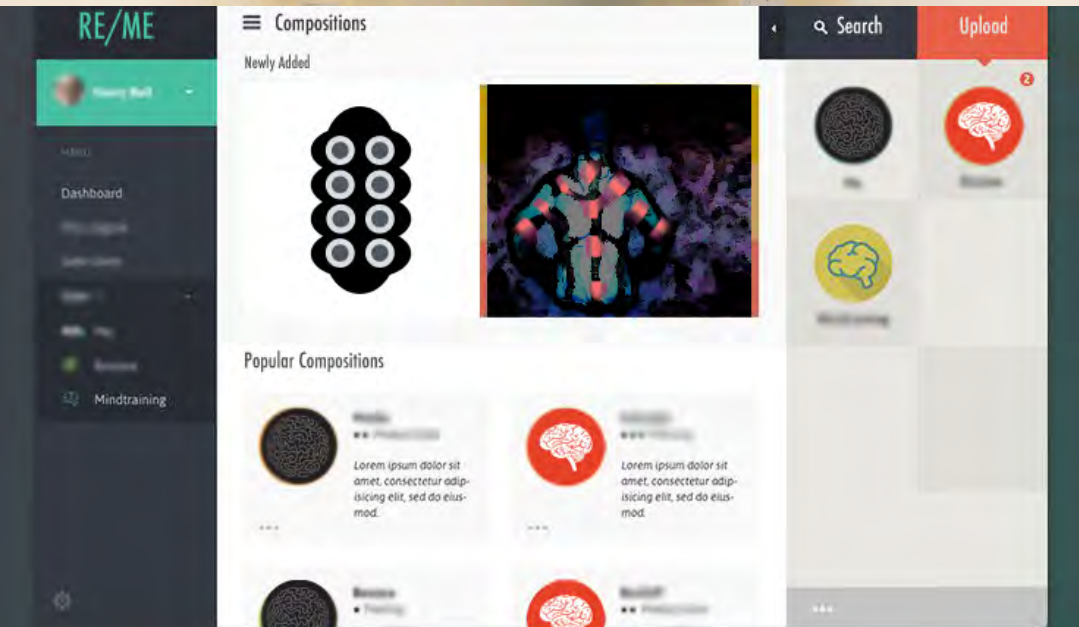
Testing neurofeedback model

Validate our neurofeedback model based on evolutionary algorithms

Beyond DART 17

Develop and launch developer kit

Build an open infrastructure that puts this tool in the hands of the users through a product, the API and by fostering an open attitude to developers

THANK YOU