



Enhancing recovery from eating and weight disorders using mHealth and psychological theory

Fact Sheet

Project Information

SmartEater

Grant agreement ID: 825403

DOI

[10.3030/825403](https://doi.org/10.3030/825403)

Project closed

EC signature date

19 December 2018

Start date

1 January 2019

End date

30 June 2020

Funded under

EXCELLENT SCIENCE - European Research Council (ERC)

Total cost

€ 150 000,00

EU contribution

€ 150 000,00

Coordinated by

PARIS-LODRON-UNIVERSITÄT
SALZBURG



Austria

Project description

Smartphone app for eating disorders

Eating disorders affect around 20 million people in the EU. Often associated with problematic behaviours, such as self-starvation, bingeing and purging, their treatment typically includes a combination of psychotherapy and nutrition education. In this context, the EU-funded SmartEater project is developing an app to provide intelligent mobile logging of psychological and emotional states as well as eating behaviours, as a basis for interventions supporting individuals with bulimia nervosa or binge eating disorder. To ensure high user adherence, the app asks users to

repeatedly enter data on craving for foods, stress, and more. Applying machine learning algorithms, the app 'learns' from the user and predicts potentially problematic future eating behaviours for timely intervention.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > **[internet](#)**

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [electronic engineering](#) > **[sensors](#)**

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [information engineering](#) > [telecommunications](#) > **[mobile phones](#)**

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#) > **[machine learning](#)**

[medical and health sciences](#) > [health sciences](#) > [nutrition](#) > **[obesity](#)**



Programme(s)

[H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council \(ERC\)](#)_

MAIN PROGRAMME

Topic(s)

[ERC-2018-PoC - ERC Proof of Concept Grant](#)

Call for proposal

[ERC-2018-PoC](#) 

[See other projects for this call](#)

Funding Scheme

[ERC-POC - Proof of Concept Grant](#)

Host institution



PARIS-LODRON-UNIVERSITÄT SALZBURG

Net EU contribution

€ 61 250,00

Total cost

€ 61 250,00

Address

KAPITELGASSE 4-6

5020 Salzburg

 Austria 

Region

Westösterreich > Salzburg > Salzburg und Umgebung

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Beneficiaries (2)



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Total cost

€ 61 250,00



FACHHOCHSCHULE SALZBURG GMBH

 Austria

Net EU contribution

€ 88 750,00

Address

URSTEIN SUED 1

5412 Puch Bei Hallein 

Region

Westösterreich > Salzburg > Salzburg und Umgebung

Activity type

Higher or Secondary Education Establishments

Links

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Total cost

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Last update: 17 August 2022

Permalink: <https://cordis.europa.eu/project/id/825403>

European Union, 2025