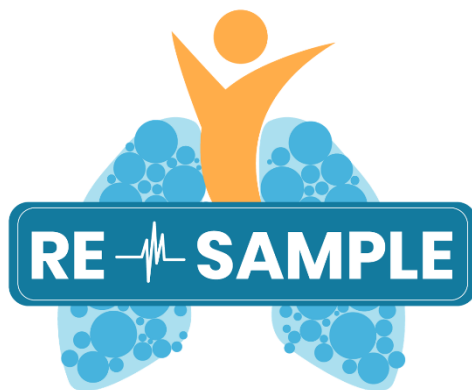




RE-SAMPLE has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement no 965315.



Newsletter N.1, October 2021

Dear reader,

RE-SAMPLE kicked off with a bang this spring and since then, a lot has happened!
For this first edition, we will present you RE-SAMPLE project and team followed by the latest updates on the project!

What is RE-SAMPLE?

RE-SAMPLE



REAL-TIME DATA MONITORING FOR SHARED, ADAPTIVE,
MULTI-DOMAIN AND PERSONALISED PREDICTION AND DECISION
MAKING FOR LONG-TERM PULMONARY CARE ECOSYSTEMS

LEARN MORE



@resample_h2020



RE-SAMPLE project



www.re-sample.eu



RE-SAMPLE HAS RECEIVED FUNDING FROM THE EUROPEAN UNION'S HORIZON 2020 RESEARCH AND INNOVATION PROGRAMME UNDER GRANT AGREEMENT NO 965315.

WHY

Chronic Obstructive Pulmonary Disease (COPD) is a common, progressive lung condition with a high impact on quality of life and life expectancy.

Many patients with COPD have **multiple chronic conditions**, like diabetes, cardiovascular diseases or mental health issues. The care of patients with COPD and co-morbid chronic conditions is very complex. There are overlapping risk factors and symptoms which can delay appropriate treatment, and multiple healthcare professionals are involved.

The challenge of the increasing number of patients with COPD and multi-morbid chronic conditions requires an integrated, personalised, approach to support and manage care for these patients.

WHAT

Over the course of four years (2021-2025), RE-SAMPLE will work to transform the healthcare journey of patients with other chronic conditions. We will use **Real World Data (RWD)** to:

- monitor symptoms beyond scheduled medical check-ups;
- give doctors, caregivers, and patients a unique insight into common, day-to-day triggers that can lead to health complications; and
- support personalised treatment and develop a virtual companionship programme.

Our aim is that **RE-SAMPLE's approach** to integrated care will help prevent disease progression and empower patients to manage their care.

HOW

As a multidisciplinary consortium, RE-SAMPLE will gain unique insights into the relationships between patients' clinical and non-clinical characteristics and how these impact disease progression, using RWD monitoring and **Artificial Intelligence**.

The data will serve predictive models that could help patients and their doctors make treatment and lifestyle changes in time. To ensure that we can gather quality data and that our system truly fits the needs of patients, we will rely on inclusive design and a **citizen science** approach.

One of our project's hallmarks is the early integration of security and privacy settings across all technical (the system itself will be designed from this perspective) and non-technical (the project will adhere to rigorous ethical and data protection standards) aspects of RE-SAMPLE.

UNIVERSITY OF TWENTE

Tartu University Hospital Lung Clinic

UNIVERSITY OF PIRAEUS RESEARCH CENTER

DFK

Atos

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Research and Innovation

Roessingh Research and Development

MST

INNOVATION SPRINT

hope

Who is RE-SAMPLE?

The RE-SAMPLE multidisciplinary consortium brings together partners specialising in respiratory medicine, artificial intelligence, real-world data, privacy, ethics, data protection, and health policy.

Our partners are:

- University of Twente (UT)
- Stichting Medisch Spectrum Twente (MST)
- University of Piraeus Research Center (UPRC)
- Sichtasutus Tartus Ulikooli Kliinikum (TUK)
- Fondazione Policlinico Universitario Agostino Gemelli IRCCS (GEM)
- Fédération Européenne des Hôpitaux et des Soins de Santé (HOPE)
- Deutsches Forschungszentrum für Kunstliche Intelligenz GMBH (DFKI)
- ATOS IT Solutions and Services Iberia SL (ATOS)
- Roessingh Research and Development BV (RRD)
- Innovation Sprint (iSPRINT)



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Gemelli



Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore



Roessingh
Research and Development

We will present each partner in detail in further newsletter, so stay tuned!

Latest news

RE-SAMPLE online Consortium Meeting



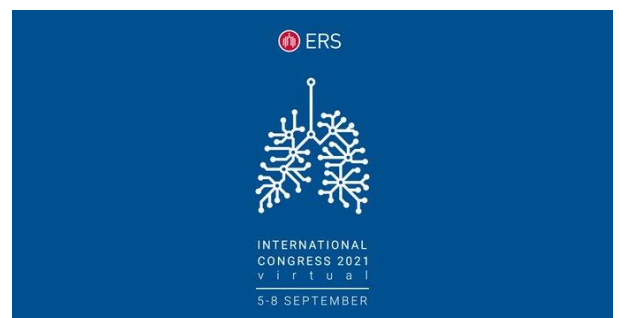
On 15 and 16 September 2021, the RE-SAMPLE Consortium convened online for the second time for a series of workshops and presentations. The aim was to have a clear vision of the work of each partner and where everyone is going.

Partners discussed the functioning of the RE-SAMPLE system and the definition of its components. An overview of the objectives and progress of each Work Package (WP) also took place!

Previous to the meeting, mini-lectures were shared by partners on predictive models and the Healthentia application. Another one on COPD was shared after the consortium. Two co-creation sessions were also put in place to see if every participant had the same vision on the functioning of the RE-SAMPLE system!

Presentation at the European Respiratory International (ERS) Congress

From 5 to 8 September 2021, the ERS International Congress took place online. Our colleagues from MST made a presentation on "Self-management interventions for patients with COPD - a Cochrane review". Read more about it [here!](#)



Do you want to know more about RE-SAMPLE activities? [Click here!](#)



Sign up to receive our newsletter!

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