# Eureka
# Project partners Search Form

**Program** (select appropriate)**:**

**[ ] EUREKA**

***Multilateral Call*** *(if applies)**:***

[ ] Biotech
[ ] Disaster Resilience, response and recovery
[ ] Lightweighting

**[ x] CLUSTER**

[ ] CELTIC-NEXT
[ ] EUROGIA$^{2030}$
[ ] ITEA4
[ ] SMART
[ x ] Xecs

***Thematic Call*** *(if applies)**:***

[ ] Xecs Quantum Tech

| **Contact Person Details** | |
|---|---|
| Name: Sinem Tas | |
| Position: Sr Project Coordinator | |
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| **Organization Details:** | | | |
|---|---|---|---|
| Name: Philips | | | |
| Country: The Netherlands | Website: https://www.philips.nl/ | | |
| Type of Organization: | [ ] SME | [x ] Large Company | [ ] University |
| | [ ] Research Inst. | [ ] Administration | [ ] Other (specify): |
| Number of Employees: | [ ] < 10 | [ ] 11-50 | [ ] 51-100 |
| | [ ] 101-250 | [ x ] > 250 | |

**Describe the activities, products, services, and expertise of your organization:**

- Philips Oral Healthcare develops and provides consumer oral-care products, including Philips Sonicare power toothbrushes and interdental cleaning products such as Power Flosser.
- Its expertise includes connected oral-care devices and digital user experiences. Connected Sonicare toothbrushes use sensors to capture brushing information and provide feedback, coaching and habit tracking through the Sonicare app.

| Project Details | |
|---|---|
| Project Title | MOSAIC |
| Acronym | Multimodal Oral Sensing and AI for Monitoring Oral Health and Its Links to Systemic Health |
| Keywords | Oral health monitoring; oral–systemic health; multimodal sensing; connected oral care; intraoral and wearable technologies; AI and data fusion; longitudinal monitoring; personalised preventive care. |

**Describe your Project:**

MOSAIC will develop and evaluate a flexible platform for monitoring oral health and exploring its links with wider health. It will bring together complementary sensing technologies, devices and data—including oral-care devices, intraoral or wearable sensors, imaging, ultrasound and other suitable approaches. AI and data integration will be used to combine measurements and track patterns over time. European partners will develop and test reusable components in different use cases, assessing whether combined information can provide more useful monitoring and guidance for individuals and oral-health professionals.

**Describe the innovative part of your project:**

- **A flexible platform:** MOSAIC will not depend on one device or sensor. It will explore different options, such as imaging, ultrasound, oral or wearable sensors, and chemical measurements.
- **Combining complementary information:** The project will investigate how measurements of the mouth could be combined with relevant wider-health data to explore oral–systemic links.
- **AI for patterns over time:** AI will be explored to bring together different types of data and track changes, rather than analysing each measurement in isolation.
- **Testing added value:** The project will assess whether combining measurements provides more useful monitoring and guidance than using a single measurement alone.
- **Reuse across Europe:** Partners will test components in different country use cases and identify which technologies, data methods and platform elements can be reused.

**In short:** MOSAIC's innovation is in bringing different oral-health technologies and data together in a reusable platform, then testing how well that approach supports oral and oral–systemic health monitoring.

**Describe the market expectations of your project:**

MOSAIC addresses an opportunity across oral care, digital dentistry, wearable health technologies and point-of-care devices. It will explore how these technologies could support oral-health monitoring and help investigate links between oral and systemic health. The European oral-care market was estimated at US$10 billion in 2024; the digital-dentistry market was estimated at US$1.78 billion in 2025, with a forecast of US$2.86 billion by 2033.

| **Possible Partner Profile:** | | |
|---|---|---|
| Type of Partner Needed (multiple choices are allowed) | [x ] SME<br>[ x ] University<br>[ ] Administration | [x ] Larger Company<br>[ x] Research Institution<br>[ ] Other (specify): |
| **Describe the expertise of possible partner(s) required for your project:**<br>- Device and oral-care companies<br>- Sensor and measurement developers<br>- Imaging and ultrasound groups<br>- Engineering and manufacturing SMEs<br>- AI and data partners<br>- Clinical and user-study sites<br>- Software and data-platform partners | | |
| **Describe the role of possible partner(s) in your project:**<br>• Contribute, adapt or develop relevant devices and technologies, such as oral-care products, intraoral or wearable sensors, imaging, ultrasound or point-of-care systems.<br>• Integrate hardware, software and data components; develop AI or analytics to combine measurements and monitor patterns over time.<br>• Test prototypes with users or in relevant settings, assess performance and usability, and identify routes for further development, manufacturing and adoption. | | |

**Deadline for Partner Search: 30th of November**