

HORIZON Project Partner Search

Who We Are?:

- Part of BILGEM, a governmental research center focused on information technology & electronics, located ~50 kms SE of Istanbul, Turkey
 - <https://bilgem.tubitak.gov.tr/en>
 - 1900+ personnel, participated in more than 30 EU projects since 2004.
- Bioelectronics System Laboratory:
 - <https://biyoelektronik.bilgem.tubitak.gov.tr/en/>
 - Conducts research on: forensic imaging, biotechnology, optical design & development
 - Current products & solutions: <https://biyoelektronik.bilgem.tubitak.gov.tr/en/urunler-cozumler/>

What We Are Looking For: Project Partner(s) for the Call:

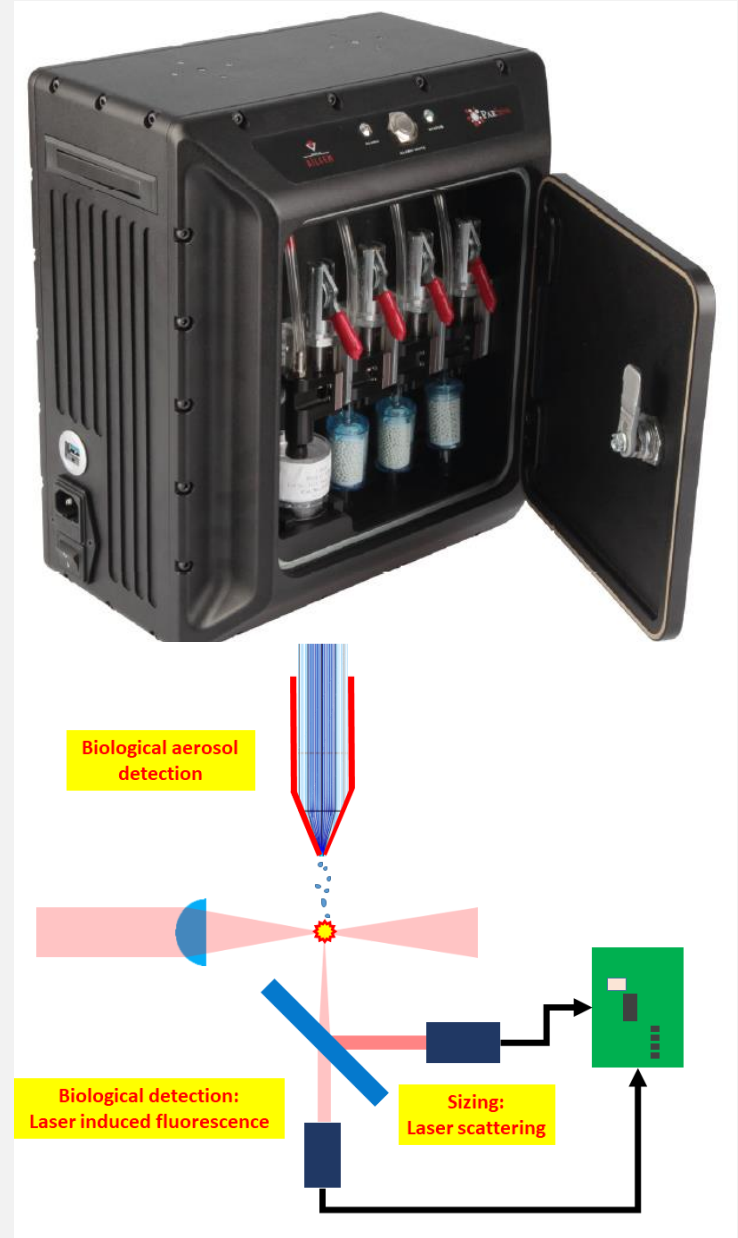
HORIZON-CL3-2022-DRS-01-03:

Improved quality assurance / quality control of data used in decision-making related to risk management of natural hazards, accidents and CBRN events

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What We Have Done:

- Developed a prototype air monitoring device that can detect and size potentially hazardous biological aerosols:
<https://biyoelektronik.bilgem.tubitak.gov.tr/en/biyoaerosol-algilama-sistemi/>
- Features:
 - Real time results: Ideal for on-site decision making
 - Cost-effective optical method (laser induced fluorescence and scattering)
 - 0.5 – 10 μm particle sizes
 - Sampling for further analysis (exhaust collected on air filter)



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What We Can Do?:

- For: HORIZON-CL3-2022-DRS-01-03: Improved quality assurance / quality control of data used in decision-making related to risk management of natural hazards, accidents and CBRN events (or similar):
- Contribute in developing common criteria for optical detection of biological aerosols.
- Share and analyze data with our prospective partners for comparing different devices based on same optical principle of operation.
- Take part in joint measurement events at a common site.

Contact:

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