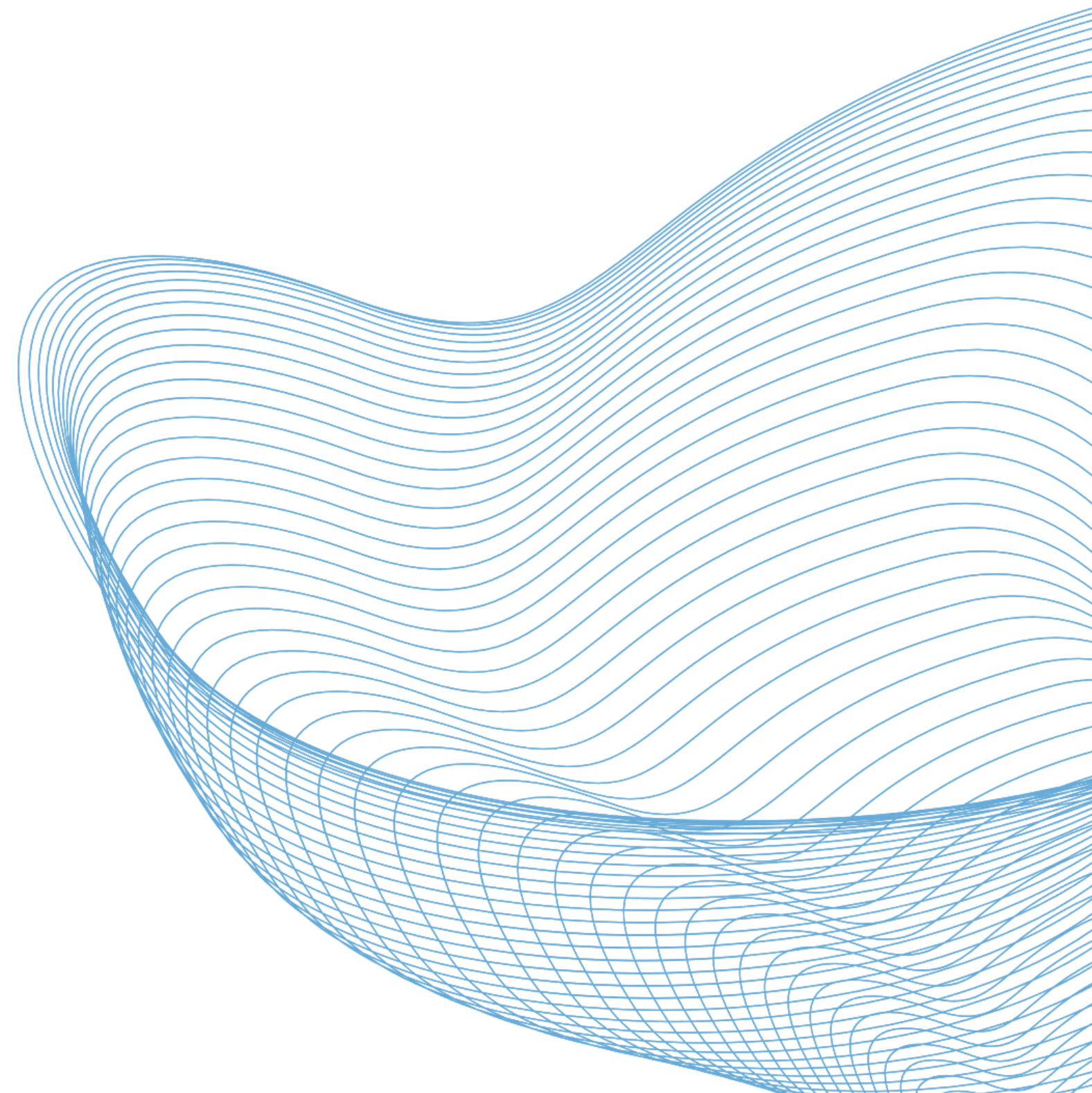
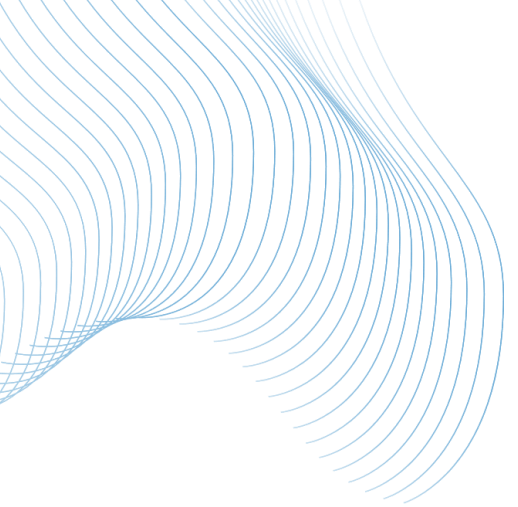


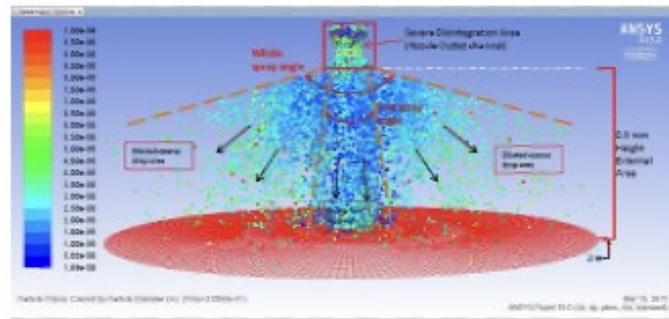


Counterfog

An innovative technology for fast
decontamination



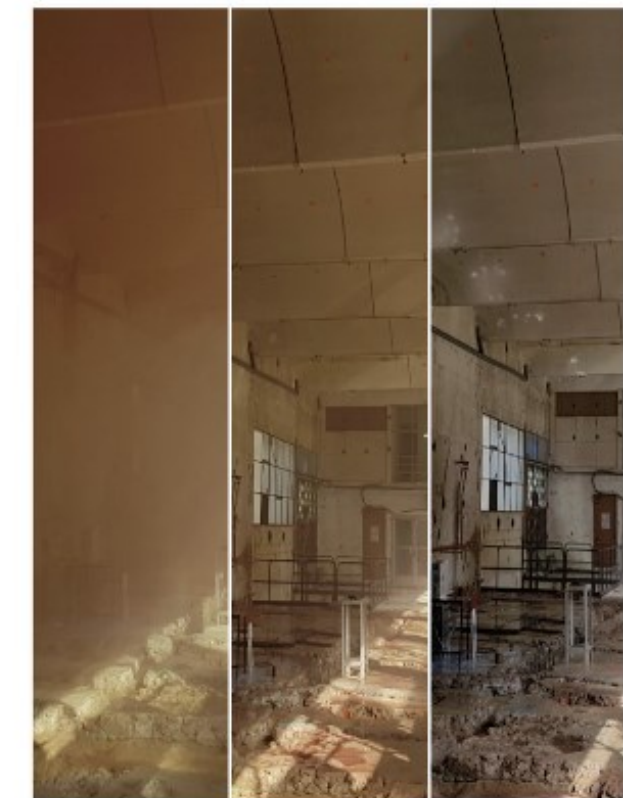
Counterfog Origin



DEVICE FOR LARGE SCALE FOG DECONTAMINATION
 FP7-SEC-2012-1 n° 312804
 Nov 2013- Oct 2017
 Budget 4.53 M€



COUNTERFOG EBT DE LA UAH SL
 spin-off company of Universidad de Alcalá. July 2019.



Fighting COVID19

Policía Nacional (National Police of Spain)

DROGON Operation
Large-scale Covid disinfection



IFEMA (Madrid)

Aerosol barriers



Military Emergency Unit (UME)

Large-scale CBRN decontamination



SUMMA 112

Emergency units disinfection & recovery



COUNTERFOG® AIRBORNE SARS-COV2 SAMPLING & REMOVAL

SARS-COV2 Hospital de Alcorcón Operational environment: rooms with COVID-19 patients



CENTRO DE BIOLOGÍA MOLECULAR SEVERO OCHOA



Bioaerosol Fast Sampler
H2020 Inno4Cov-19 cascade funding



31st March 2022

TO WHOM IT MAY CONCERN

Counterfog Technology Bioaerosol Fast Sampler (BIAFTS)

Our laboratory at Centro de Biología Molecular Severo Ochoa (CBMSO), a biomedical research institute of the Spanish National Research Council (CSIC), has collaborated with Counterfog to test the efficacy of the Bioaerosol Fast Sampler (BIAFTS) to capture viruses present in aerosols.

Initial experiments done with aerosols containing the bacteriophage Phi29, a model virus, have demonstrated that BIAFTS efficiently captures Phi29 present in aerosols, with the same efficiency (100%) as the PTFE (Teflon) filters, previously demonstrated to capture virus-containing aerosols and used as a control. See Example 1.

In addition, the Counterfog technology BIAFTS was able to capture SARS-CoV-2 in the air of a hospital room with COVID-19 patients at Hospital Universitario Fundación Alcorcón, which was detected with a SARS-CoV-2 specific RT-qPCR carried out in our laboratory. See Example 2.

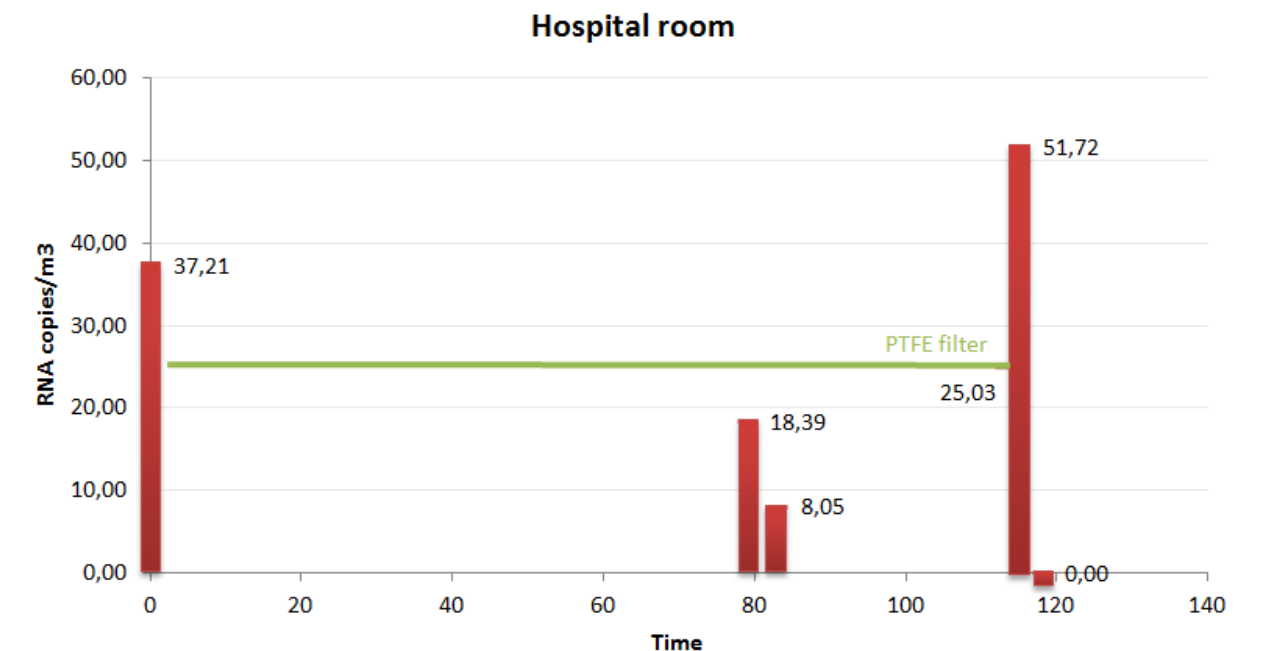
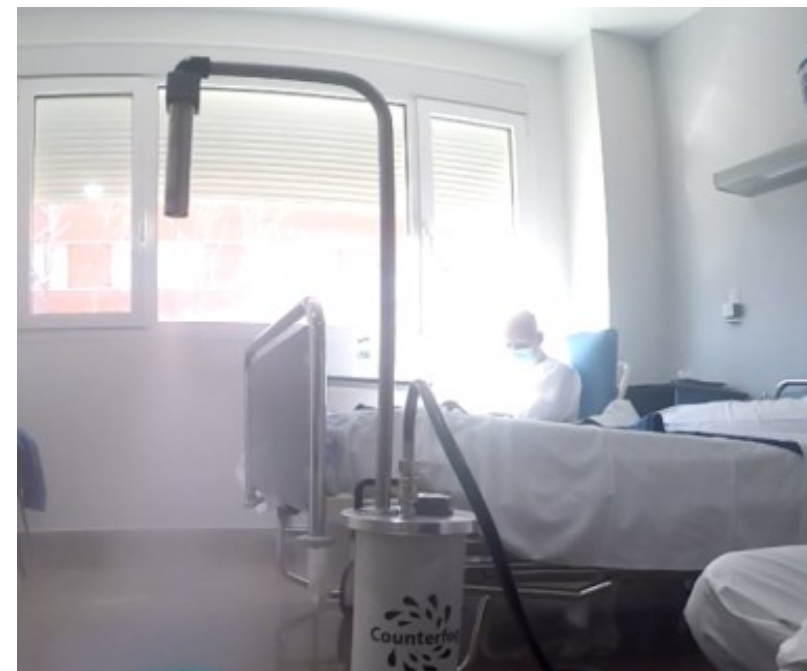
These results demonstrate the utility of the BIAFTS technology developed by Counterfog to capture viruses in aerosols. The technology is expected to capture other human and animal pathogens present in aerosols, and will have many applications in the control of airborne infectious diseases and future pandemics.

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Del Álamo, C., Vázquez-Calvo, Á., Sanchiz, Á., Rodríguez-Caravaca, G., Martín, R., Hernández, B., Méndez-Vigo-Carranza, P., Sánchez García-Casarrubios, J., Alcamí, A., & Pérez-Díaz, J. L. (2022). Fast Air-to-Liquid Sampler Detects Surges in SARS-CoV-2 Aerosol Levels in Hospital Rooms. *International journal of environmental research and public health*, 20(1), 576. <https://doi.org/10.3390/ijerph20010576>

2020 Cruz al mérito policial

2022 Winner of Security Innovation Award



Professor José Luis Pérez Díaz
CEO of Counterfog®



Juan Sánchez García-Casarrubios
CTO of Counterfog®



BIOSECURITY in terrestrial livestock production



CL6-2022-FARM2FORK-01-03— Enhancing biosecurity in terrestrial livestock production
HEALTHY ENVIRONMENTAL-FRIENDLY AND RESILIENT FARM TO FORK

Evaluation Result

Total score: 15.00 (Threshold: 10)

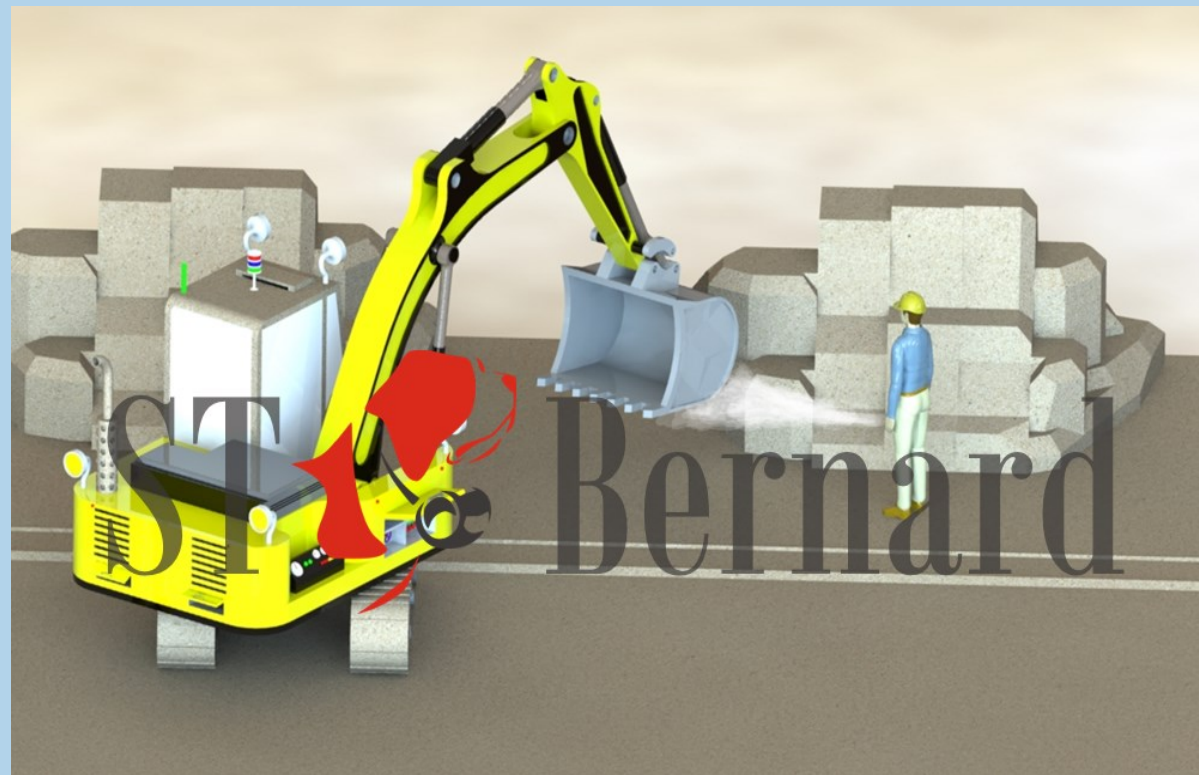
<https://www.linkedin.com/company/he-farm>



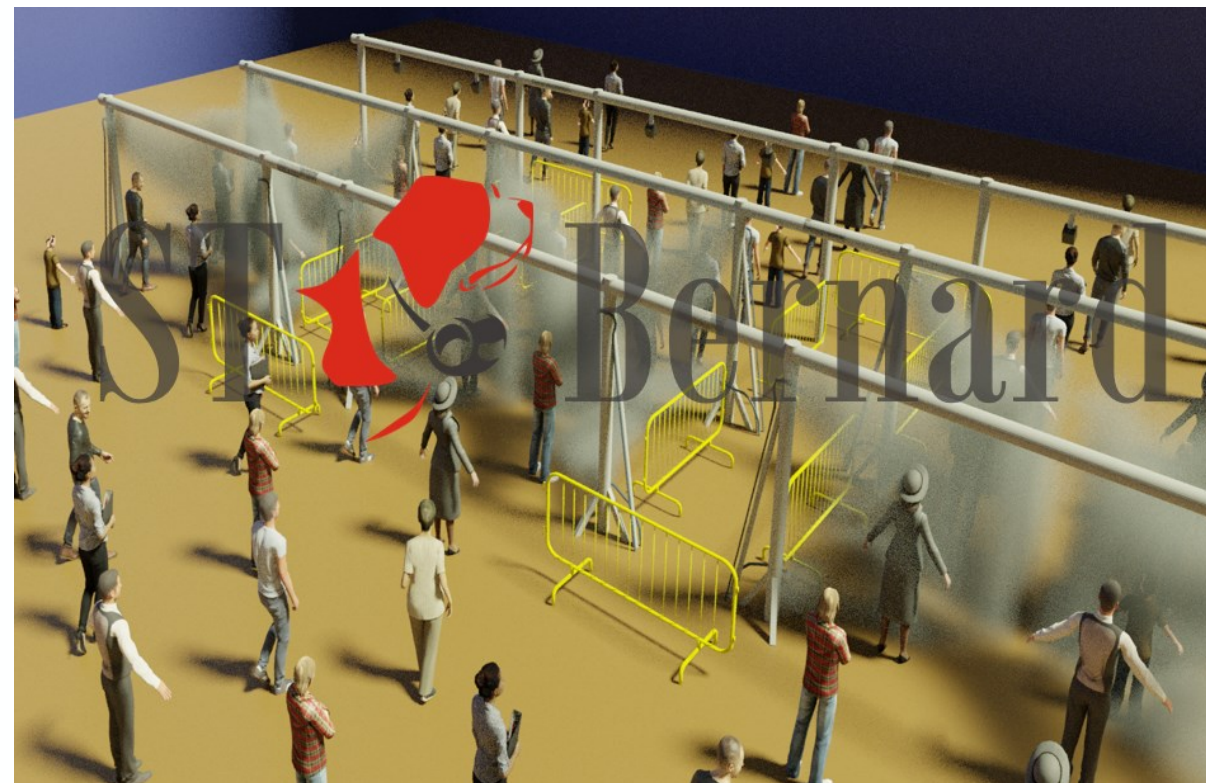


WP 2. Development of ATEX-compatible CBRN-E modular aerial drone

WP 10. Development of operating procedures for safe CBRN-E debris removal and excavation



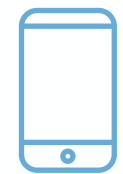
WP 5. Development of CBRN-E shelters & mass decontamination curtains



Gracias



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