

The project in brief

- **3,4** million € of budget
- **36** months
- **2** countries
- **4** partners
- **2** final exercises
- **4** main objectives:

Improve on-site detection



Create a toolbox of laboratory methods to identify ricin and abrin



Develop forensic analysis (interventions; determination; procedures)



Define decisional strategies and procedures for first-responders and disease control institutions



Contact us

**Research Centre -
Ecole Nationale Supérieure de la Police (CRENSP)**
Contact: Antoine Benoist
ensp-centre-recherche@interieur.gouv.fr

**Bundeskriminalamt (Federal Criminal Police
Office) / KT45-Toxicology**
Contact: Dr. Björn Ahrens
bjoern.ahrens@bka.bund.de

**Commissariat à l'Energie Atomique et aux
Energies Alternatives**
Contact: Dr. Eric Ezan
eric.ezan@cea.fr

Robert Koch-Institute / Biological Toxins (ZBS3)
Contact: Dr. Brigitte Dorner
DornerB@rki.de

Follow us



Centre de Recherche ENSP /
Research Center ENSP



<https://anr.fr/Projet-ANR-20-SEBM-0001>

PLANT
Priority to threats
posed by plant toxins



Bundeskriminalamt

ROBERT KOCH INSTITUT



Project Partners

Co-financed by the ANR and the BMBF, the project is carried out by French-German actors of the fight against NRBCe threats (Nuclear, Radiological, Biological, Chemical, explosive) and aims at integrating first-responders feedback to expert analysis.

For this reason, the consortium gathers two scientific institutions (French Alternative Energies and Atomic Energy Commission/CEA, Robert Koch Institute/RKI) and three end-users (French General Directorate of National Police/DGPN, German Federal Criminal Police Office/BKA and RKI).

The project therefore starts from the requirements of first-responders in the public health sector and law enforcement agencies in charge of managing incidents caused by the voluntary release of ricin or abrin. Thanks to the crossed perspectives of the various participants and to the French-German cooperation, the project allows for an acceleration in the research of solutions at every level of crises management, be it on the decisional or technical and scientific side of things.

Context

Recent incidents in France, Germany and worldwide have highlighted the threat posed by biological toxins, especially the plant toxins ricin and the related abrin. The threat of bioterrorism increased over the last years and escalated in France and Germany in 2018, when the police prevented a bioterrorist attack in Cologne.

Ricin and abrin are two highly toxic elements, easily available and chemically close. Their joint consideration answers both a technical opportunity and a need for public health and safety.

Work areas

