



Preparatory Action for Security Research (PASR 2006)

BIO3R BIOTERRORISM RESILIENCE, RESEARCH, REACTION – SUPPORTING ACTIVITY PROMOTING CO-OPERATION TO ASSESS THE BIO THREAT AND ORGANISE A COLLECTIVE AND COMPREHENSIVE RESPONSE FOR EU SOCIETY AND CITIZENS' BIOSECURITY



Since 2001, the EU has adopted various measures to strengthen the Member States "solidarity", which implies more assistance and collaboration. **BIO3R** seeks to contribute to the improvement of the European preparedness in the field of bioterrorism and to a better comprehension of citizens and professionals regarding this issue and the need to strengthen the prevention and response measures.

BIO3R aims at tackling three key words for a global and comprehensive policy:

- **RESEARCH** : an evaluation of the state of the art, in relation with the risk assessment and the identification of operational requirements, will help to select priorities for research;

- **REACTION** : one issue is the reinforcement of crisis-management policies, through an improvement of the networking and a better integration of public and law strategies at European, national and local levels;
- **RESILIENCE**: the objective is to make EU societies stronger and more resistant to aggression by reinforcing the awareness and the preparation of the EU citizens regarding the biothreat, through and reliable information, education and training, and thus by acting on their perception.

The involvement of policy users and operational actors from various professional backgrounds, at different levels, is deemed to be an indispensable requirement for its success.

1. Identification of operational requirements

BIO3R will rely on the analysis of a few realistic scenarios, leading to a threat assessment and the identification of operational requirements. It will be completed by an evaluation of the epidemiological modelling capacities in relation with the improvement of bioterrorism preparedness and response.

2. Countermeasures

Assessment of the available and promising means and countermeasures related to the mitigation of the effects of a biological attack, as well as, if relevant, identification of potential improvements.

This part of **BIO3R** will address the following issues:

- techniques and technologies in the fields of detection, identification, protection and decontamination ;
- available / existing prophylactic and curative therapeutic countermeasures.

3. Ethical and legal issues

Identification of the major ethical and legal issues which could arise from the development and the implementation of measures dedicated to the prevention or the response.

4. Resilience

Contribution to the improvement of the prevention, resilience and mitigation of threat

A study of crisis management issues and a cross evaluation of public health policies will be carried out, and the issue of communication and coordination between the actors will be looked into. **BIO3R** will also contribute to the education and training of hospital professionals and first responders through the development of a training kit, as well as to the improvement of the comprehension and awareness of the European citizens thanks to a web portal and a model of public handbook.

G.A. SEC6-SA-204300

Total Cost : € 642,067

EU Contribution : € 481,550

Starting Date : 01/02/2007

Duration : 18 months

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