

**Towards a *global plan* to
fight against bioterrorism
in *synergy* with Russian
Federation**

**bioterrorism = worldwide
threat**

***the menace of re-emergent and
new emergent diseases***

Partnership with Russian Federation = superb opportunity:

- high-level scientists**
- expertise**
- high-level containment facilities**

- Many initiatives...in the prospect of the G8 Sea Island summit

➤ ***Need of coordination***

- an **effective and common synergy** with Russian Federation
- an **overview of the programs** and their **implementation**

an ***international tool of coordination***
in order to increase the efficiency of our
common fight against terrorism in synergy
with Russian Federation

= a ***master plan*** in **3 major steps:**

- before
- during
- after

= a global response and preparedness
against bioterrorism

➤ Programs of the partnership in synergy with Russian Federation

PREPAREDNESS	CRISIS MANAGEMENT	REHABILITATION
<ul style="list-style-type: none">✓ Development of detection tools (diagnostic + environmental)✓ Development of prophylactic means (vaccines,...) + therapeutic means (novel antibacterial and antiviral) + immunotherapy✓ Development* of animal models for toxicological and pharmacological studies	<ul style="list-style-type: none">✓ Stockpiles of drugs and vaccines✓ Stock of environmental kits of detection✓ Stock of diagnostic kits of detection	<ul style="list-style-type: none">✓ development of detection tools for circumscription of contamination (perhaps the same ones than those used in preparedness step)✓ Development of new decontamination means

➤ Programs of the partnership in synergy with Russian Federation

■ IN THE STEP OF PREPAREDNESS

- ✓ Development* of animal models for toxicological and pharmacological studies

**Requirements for these developments:*

It is necessary to implement animal models for toxicological and pharmacological studies. These models involve use of tools as pharmaco and toxico genomics, proteomics, metabonomics.

➤ Programs of the partnership in synergy with Russian Federation

✓ *For each topic of this master plan*, it would be fine if a special dossier (file) should be written by the country responsible for the action, with indication of:

- ☐ who do what,
- ☐ with whom
- ☐ what kind of complementary action
- ☐ possible other cooperation
- ☐

➤ Preliminary requirement for Russian Federation

- ✓ GLP, GCP, GMP and ICH Recommendations facilities and training
- ✓ Create, or identify, a department, or an agency, inside the Russian Health Ministry in order to perform inspections and audits for non-clinical and clinical studies and to deliver conformity certificates to international standards

in order to achieve R&D (to take into account the results coming from search) in view of pharmaceutical production for sale on the international market strict quality control standards must be observed such as Good Manufacturing Practices, Good Laboratory Practices, ICH Recommendations. Such essential regulations are now being introduced in Russian Federation

➤ **Members and observers of OECD**

- ✓ Defined, reinforced and applied the future rules of biosecurity for **Biological Resource Centres - BRC's** - (definition of operating and exchanges rules for a global network of BRC's in progress, under the aegis of OECD)

A Biological Resource Centre is a center which holds and supplies biological material with authentication and long-term sustainability. It can keep highly pathogen strains

➤ **Each country**

- ***In preparedness step:***
 - ✓ Domestic biosecurity legislation and law reinforcement
 - ✓ From now on, apply quality management systems as a powerful tool for biosecurity (global traceability of staff, materials, operations, storage,....) in Biological Resource Centres
- ***In crisis management step:***
 - ✓ Governmental responses plans implementation

➤ Towards an international synergy: all together

- *In preparedness step:*

- Reinforcement of the international cooperation and criminalization against trafficking and fraudulent use of pathogens and toxins: towards an international traceability and cooperation in order to fight against fraudulent use of pathogens *as the dispositions of the UN narcotic psychotropes convention?*
- Development and reinforcement of epidemiological network and global system alert under the aegis of WHO, OIE,... (diagnostic detection tool, training,...)

➤ Towards an international synergy: all together

- *In crisis management step:*

- ✓ Harmonization of national, regional and international response plans, for notably interoperability, in connection with WHO, OIE and according to WHO, OIE policies
- ✓ Reinforcement of the global epidemiological network

**Thank you for your attention
and your... patience!**

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