THE STANDING BOARD OF THE NATIONAL STEERING COMMITTEE ON OVERCOMING POST-WAR CONSEQUENCES OF UNEXPLODED ORDNANCES AND TOXIC CHEMICALS IN VIETNAM OFFICE 701

VIETNAM'S EFFORTS IN OVERCOMING POST-WAR CONSESQUENCES OF UNEXPLODED ORDNANCES, TOXIC CHEMICALS

OFFICE 701

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Head of Office 701

07/2019

POST-WAR UNEXPLODED ORDNANCES, TOXIC CHEMICALS CONTAMINATION IN VIETNAM

1. HISTORY, ORIGIN

During Vietnam War

More than 16 million tons of bombs was dropped on Vietnam

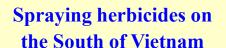
80 million liters of herbicides was sprayed

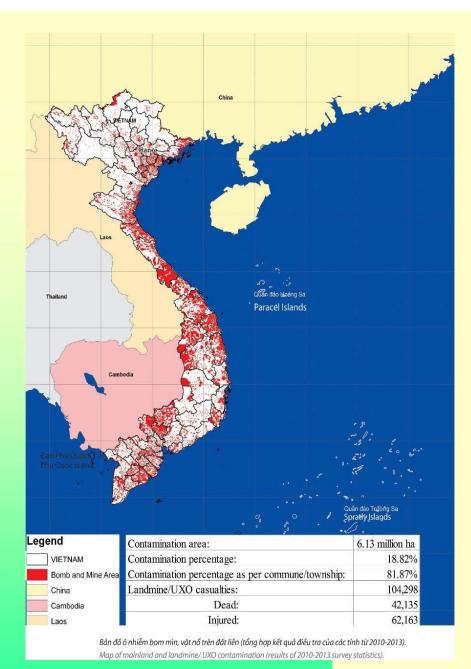


Bombs were dropped



Agent Orange containers used in Vietnam





Map of bombs/mines contamination (VNMAC, 2018)

2. UNEXPLODED ORDNANCES

63/63 provinces (9,116 communes)

contaminated by bombs/mines at different levels

Accounting for 81,87% of total

communes over the nation

Updated in 12/2017:

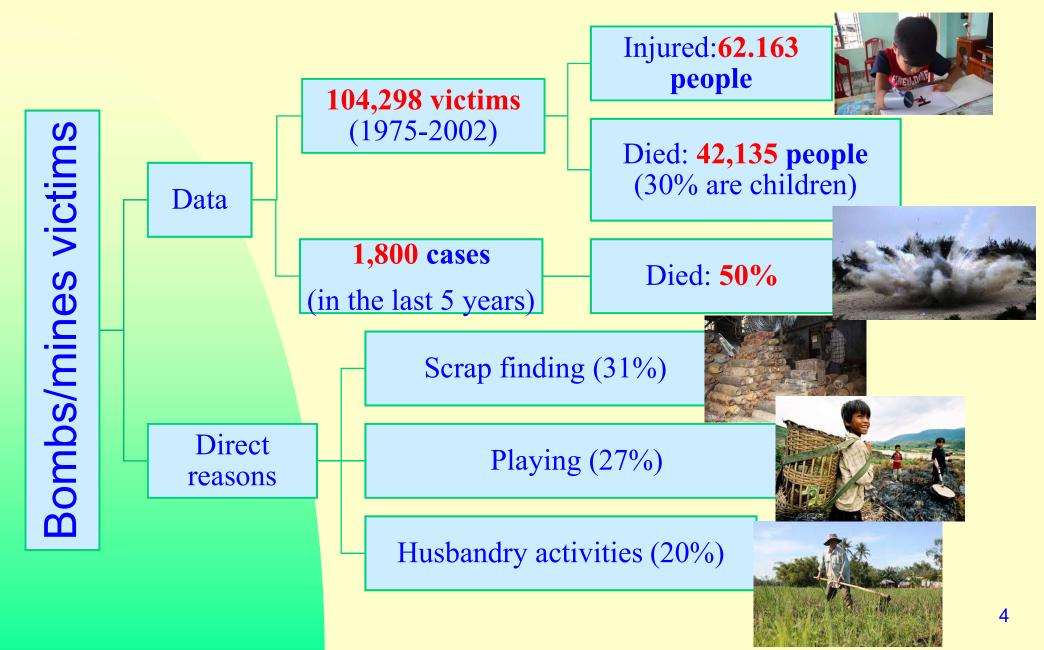
Bombs/mines is still covering up to:

6,1 million hectares
(18.71% of the country's land area)

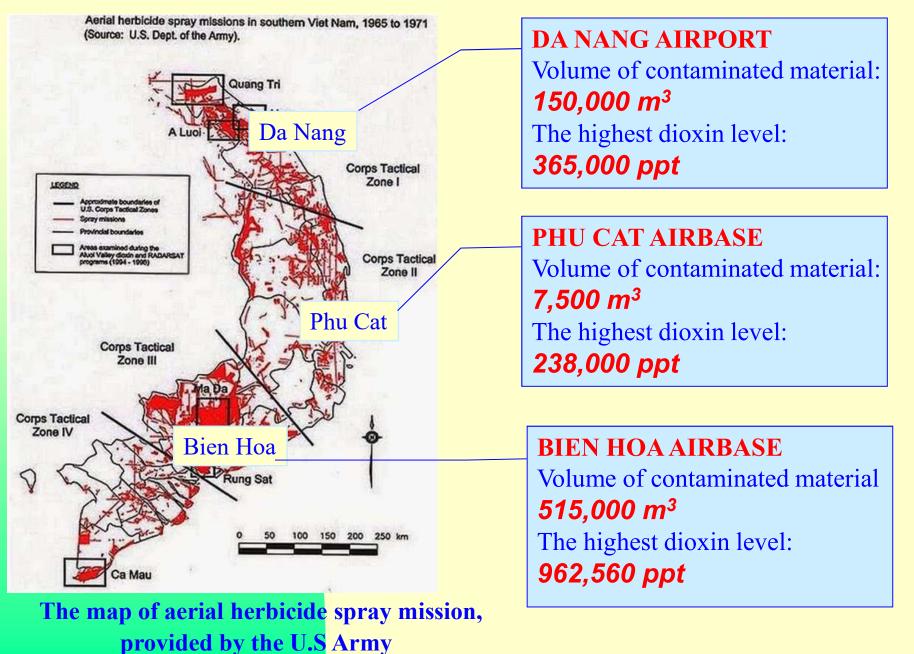
Extent of bombs/ mines contamination:

- The highest: Center and High lands in Viet Nam
- The lowest: Midland Region and Northern Mountainous Area

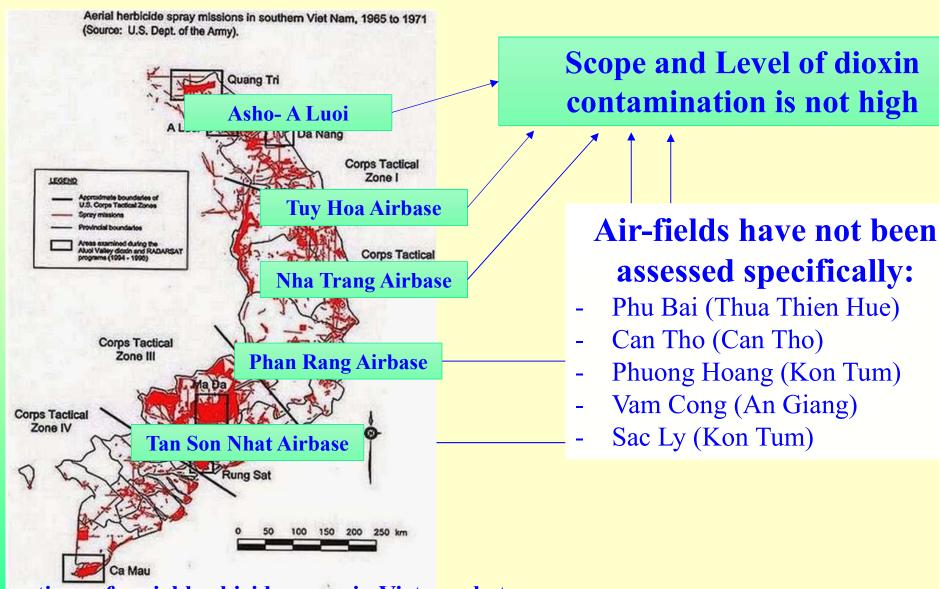
3. BOMBS/MINES VICTIMS



4. TOXIC CHEMICALS/DIOXIN CONTAMINATION



4. TOXIC CHEMICALS/DIOXIN CONTAMINATION



Locations of aerial herbicide spray in Vietnam between 1965 and 1971 (source: U.S.Dept. of the Army)

5. AGENT ORANGE/DIOXIN VICTIMS

About 4.8 million
Vietnamese people were exposed to agent orange/dioxin

3 million AO/dioxin victims were recorded







(Source of data: Vietnam Association of Victims of Agent Orange)

ACHIEVEMENTS

1. Direction and organization of implementation

1980

 National Committee for investigation of post-war consequences of toxic chemicals used by U.S in Viet Nam (10-80 Committee)

1999

• National Steering Committee on overcoming consequences of toxic chemicals used by U.S during the war in Vietnam(National Steering Committee 33)

2010

• The State Steering Committee on National Mine Action Programme (National Steering Committee 504)

2017

• The National Steering Committee on overcoming postwar consequences of unexploded ordnances and toxic chemicals in Vietnam (National Steering Committee 701)



Leader of Steering Committee – Prime Minister

Minister of MOLISA – Deputy Leader of Steering Committee

Minister of MONRE – Deputy Leader of Steering Committee Minister of MOD – First Deputy Leader of Steering Committee Minister, Chairman of the office of the Government- Deputy Leader of Steering Committee

Steering Committee Members:

- Deputy Minister of MOD (the Permanent Member);
- Deputy Minister of MONRE;
- Deputy Minister of MOLISA;
- Deputy Minister of MOST
- Deputy Minister of MOFA;Deputy Minister of MOH;
- Deputy Minister of MOPS;
- Deputy Minister of MPI;
- Deputy Minister of MOF;
- Deputy Minister of MIC;
- Deputy Minister of MOJ;
- Leader of VUFO.

Standing Board Office of Steering Committee (Vice Director of Military Science Department - Chairman of Standing Board Office of Steering Committee)

Standing Board of Steering Committee

(Head of Standing Board Steering

Committee - Deputy Minister MOD)

Vietnam national mine action center (VNMAC) The National Steering
Committee on
overcoming post-war
consequences of
unexploded ordnances
and toxic chemicals in
Vietnam (701)



Prime Minister hosted a meeting of the National Steering Committee 701 in August, 2018

Developing policies, national action programs for overcoming consequences of bombs/mines and toxic chemicals

STANDING COMMITTEE OF NATIONAL ASSEMBLY XIII

ORDINANCE

Amending some articles of the Ordinance No. 26/2005/PL-UBTVQH11 dated 19/6/2005 on privilege for people with special

luti

PRIME MINISTER

ACTION PLAN

in the period of 2004-2010 for overcoming consequences of toxic chemicals used by the

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PRIME MINISTER

NATIONAL ACTION PROGRAM

For overcoming post-war consequences of bombs and mines in the period of 2010-2025

(Decision No. 504/QĐ-TTg dated 21/4/2010)

PRIME MINISTER

NATIONAL ACTION PLAN

On overcoming toxic chemicals used by the U.S during war in Vietnam to 2015 and orienting to 2020

(Decision No. 651/QĐ-TTg dated 01/6/2012)

Hanoi, 2012

NATIONAL STEERING COMMITTEE 701

WORK PROGRAM

of The National Steering
Committee on overcoming postwar consequences of unexploded
ordnances and toxic chemicals in
Vietnam period 2018-2020
(Decision No. 406/QĐBCÐKPBMHH date 09/10/2018)

Hanoi, 2018

Hanoi, 2010

2. Vietnam's efforts in clearing bombs/mines

2016-2018

- Nearly 3,000 projects on bombs/mines clearance was carried out
- Cleared area is more than 90 thousand hectares
- Total cost: 2,840 billion VND



The Prime Minister Nguyen Xuan Phuc- Head of the National Steering Committee 701 and representatives in an event celebrating the International Mine Awareness Day (Hanoi, 04/2018)



Engineer Command was clearing bombs/mines

3. Vietnam's efforts in remediating Toxic chemicals/dioxin contamination

Investigating, assessing dioxin levels and isolating contaminated areas



Interim measure for preventing dioxin immigration from Pacer Ivy area into surrounding environment in Bien Hoa Airbase

The U.S Agency for International Development and the Institute of Military Science and Technology were collecting samples for environmental assessment in Bien Hoa Airbase (USAID, 2015)

Strengthening capacity of laboratories on analyzing dioxin levels in soil and human







Analyzing dioxin and its congeners by a gas chromatography/high resolution mass spectrometry

Providing health care supports for Agent Orange/dioxin victims

Health checking for Agent Orange/dioxin victims

Treated CS residues:

- Investigated at 293 districts, towns and cities of 34 provinces in Viet Nam
- Treated 259,9462 tons of toxic CS; 182,424 tons CS bullets; 15 tons of toxic chemicals of all kinds; disinfected 6,150 m² of CS-contaminated soil and treated 443m³ of CS-contaminated soil.







Treated toxic CS

Toxic CS residues after the war

Implementation of policies for victims

Agent Orange/dioxin victims

- 159.000 people getting benefits from related policies/total 320.000 people have benefitted from incentives and related policies (currently, 159.000 people).
- Mobilizing supports from domestic and international organizations to build Centers for raising and detoxing, Charity houses

Bombs/mines victims

- More than 5.000 people were supported by domestic organizations, individuals and enterprises
- Getting benefits from Vietnam Government 's policies for disabilities

INTERNATIONAL COOPERATION IN OVERCOMING **CONSEQUENCES OF BOMBS/MINES**









Supporting the implementation of some bombs/mines clearance projects





Korea via Koica and UNDP



Implementing the Vietnam-Korea Project on overcoming post-war consequences of bombs/mines in Quang Binh and Binh Dinh **Provinces (03/2018)**

INTERNATIONAL COOPERATION IN OVERCOMING CONSEQUENCES OF BOMBS/MINES



Signing ceremony of Memorandum of
Understanding between National
Steering Committee 504 and the U.S
Department of State on overcoming postwar consequences of bombs/mines





Technical support, training, investigating



Supported bombs/mines victims

INTERNATIONAL COOPERATION IN OVERCOMING CONSEQUENCES OF BOMBS/MINES



for every child S

SODI (Germany),

CRS, RENEW

Involved in communication activities on preventing bombs/mines accidents and supported victims at local areas





Inviting Vietnam staff to some training courses for improving capacities in managing and operating activities on overcoming bombs/mines consequences

INTERNATIONAL COOPERATION IN OVERCOMING CONSEQUENCES OF DIOXIN



Studied, investigated scope and levels of dioxin contamination in sprayed areas

Hatfield Consultants

- Canada

Ford Foundation

Concreted 6,900 m³ of dioxin contaminated soil in Da Nang Airport



Established dioxin monitoring systems in Bien Hoa and Phu Cat Airbases

Czech Republic

INTERNATIONAL COOPERATION IN OVERCOMING CONSEQUENCES OF DIOXIN



Global Environment Facility's Support via UNDP



Safely contained dioxin contaminated soil in Phu Cat Airbase









Germany

Japan

Newzealand

Korea

Piloting technology to treat dioxin contaminated soil in Bien Hoa Airbase and Asho/A Luoi

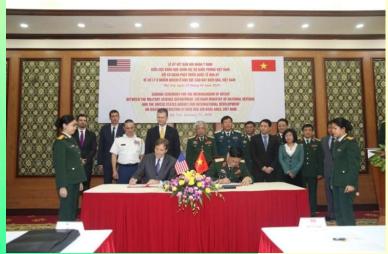


Installing equipment to piloting dioxin remediating technology by Shimizu Corporation and Center for Environmental Treatment Technology (CTET, 1/2018)





Treated 150.000 m³ dioxin – contaminated soil at Da Nang airbase (USAID, 11/2018)



Department of Military Science/MOD and USAID signed MOI on dioxin remediation in Bien Hoa Airbase area (01/2018)



USAID visit Day-care Center for Victims of Agent Orange in Dong Nai Province (USAID, 2018)



Air Defence and Air Force Command and USAID signed LSGA on dioxin remediation in Bien Hoa Airbase (5/2018)

Area of bombs/mine and toxic chemicals/dioxins contaminated land remains large

Limited sources

Limited facilities, human resources don't met requirements for treating and caring Agent Orange/dioxin victims

It's difficult to identify Agent
Orange/dioxin victims because of lacking
scientific basis and significant signs

ORIENTATION FOR OVERCOMING CONSEQUENCES OF BOMBS/MINES, TOXIC CHEMICALS IN NEAR FUTURE

- 1. Reduce rate of bombs/mines contamination over the nation to 15%, especially in provinces seriously contaminated; completely remediate 35% of dioxin contaminated soil in Bien Hoa Airbase Area; study measures for completely remediating toxic chemicals/dioxin in Phu Cat, Asho/A Luoi; keep studying sprayed areas.
- 2. Strengthen capacity in designing, producing equipment, technology for clearing bombs/mines and remediating toxic chemicals; strengthen communication and international cooperation.
- 3. Screen 100% of people participated in the resistance war and their next generation that are related to toxic chemicals/dioxin exposure, systematically record information, identify victims that are eligible for related policies of the Government. Build a pilot center for testing and supporting medical treatment for Agent Orange/dioxin victims.
- 4. Consider and propose the establishment of Vietnam U.S Intergovernmental Committee on overcoming toxic chemicals/dioxin consequences on environment and human.

THANK YOU FOR YOUR ATTENTION!