# QUESTIONNAIRE

## SURVEY FOR GOVERNING BOARD OF STCU

This information is needed by Governing Board to Facilitate the Strategic Discussion on STCU Future Mission Programming, 2006

Definition: experienced, Soviet-era FWS = scientists or technicians who, between the years 1960 and 1991, worked for 2 years or longer on a Soviet military project directly connected to the design/development of nuclear, chemical, or biological weapons, ballistic missile systems, anti-ballistic missile systems, or directed energy weapon systems. Code of FWS status confirming is attached.

Table of symbols (who is responsible to get data for each kind of questions):  $\Theta$ 

- Host Government Agencies (State Committee of Statistic, etc.)

- State scientist institution

- Databases of STCU

### DATA SET A EVALUATION OF THE CURRENT SITUATION OF FORMER SOVIET WMD SCIENTISTS

- 1. What is the current best estimates of:
- Sí DB

a) the number of experienced, Soviet-era, former WMD scientists (FWS) in 1995

b) the number of experienced, Soviet-era, former WMD scientists (FWS) currently employed at institutes, state universities

**Data Sources**: a) <u>Host Government Agencies</u> For Ukraine, it is proposed to apply to the State Committee of Statistics with an official letter requesting this information. Committee of Statistic has the special department which is responsible for State secret information. If the information we request is classified they will officially refuse our request. Alternatively, we will receive the data b) <u>Databases of STCU</u>

2. For each year from 1995 until 2006 (up to18 May 2006), what is the total number of distinct individual FWS (total sum and total number in each Weapon Code) and NFWS (total sum) who were participating in a funded STCU Regular or Partner Project?

					Ye	ars						
1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Total
	1995	1995 1996	1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1996       1997         1995       1997       1997         1995       1996       1997         1995       1997       1997         1995       1996       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997       1997         1997       1997	1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1995       1996       1997       1998         1996       1996       1997       1998         1996       1996       1997       1998         1996       1996       1997       1998         1996       1996       1997       1998         1996       1996       1997       1998         1996       1996       1997       1998         1996       1996       1996       1997         1996       1996       1997       1998         1996       1998	1995       1996       1997       1998       1999         1995       1996       1997       1998       1999         1996       1997       1998       1999         1996       1997       1998       1999         1996       1997       1998       1999         1996       1997       1998       1999         1997       1998       1999       1999         1998       1999       1997       1998         1998       1999       1997       1998         1999       1996       1997       1998         1999       1999       1997       1998       1999         1999       1999       1997       1998       1999         1999       1999       1997       1998       1999         1999       1999       1997       1998       1999         1999       1999       1997       1998       1999         1999       1999       1997       1998       1999         1999       1999       1997       1998       1999         1999       1999       1997       1997       1999         1999       1998		Years           1995         1996         1997         1998         1999         2000         2001           1995         1996         1997         1998         1999         2000         2001           1995         1996         1997         1998         1999         2000         2001           1995         1996         1997         1998         1999         2000         2001           1996         1997         1998         1998         1999         2000         2001           1996         1997         1998         1998         1999         2000         2001           1996         1997         1998         1998         1999         2000         2001           1996         1997         1998         1998         1999         1999         1998         1999         1998					

2							
2.1							
2.2							
2.3							
3							
3.1							
3.2							
3.3							
4							
4.1							
4.2							
4.3							
4.5							
NFWS who							
were							
participating in a funded STCU							
Regular or							
Partner Project							
Total							

#### Data Sources:

a) Host Government Agencies

b) Databases of STCU

**B** 3. Of the identified FWS on STCU funded and unfunded projects, how many participated in:

a) an STCU Targeted Initiative Project

b) an STCU Partner Promotion Roadshow (including Party-directed missions)

- c) participated in an STCU Training event
- d) received an STCU Travel Support Grant
- e) received an STCU Patent Support Grant

Data Source: Databases of STCU, needs the support from IT-group

#### DATA SET B EVALUATION OF THE CURRENT SITUATION OF FORMER WEAPONS R&D INSTITUTES

4. What is the list of institutes, universities and technical units (a) who had researchers engaged in a funded STCU project (Regular or Partner)? List these organizations by country, city and name of institutes and rank them according to the total number of distinct FWS identified on all registered STCU projects/proposals (funded or unfunded).

Nº	Name	Country	City	Number of distinct FWS
1.				
2.				
3.				
4.				
5.				
6.				
7.				

8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
	Total	-	-	

Data Source: Databases of STCU, needs the support from IT-group

5. For each of the institutes, what is the (a) total number of researchers currently working there (scientists, laboratory technicians, post-graduate students)?, (b) total number of researchers that can be categorized as FWS (according to the FWS definition above), and (c) total number of "young scientists" (i.e., age 30 or less)

Nº	Name	Total number of researchers currently working there	Total number of FWS	Total number of "young scientists" (i.e., age 30 or less)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
	Total			

Data Source: Host Government Agencies / State scientist institution

- **b** 6. For each of these listed organizations, what is the total number and total dollar/euro amount of
  - a) funded STCU Regular Projects
  - b) STCU Governmental Partner Projects
  - c) STCU Non-Governmental Partner Projects

#	Organization	Funded regular STCU projects			STCU Governmental Partner Projects			STCU Non- Governmental Partner Projects		
		quantity	USD	EURO	quantity	USD	EURO	quantity	USD	EURO
1.										
2.										
3.										
4.										

5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
	Total					

Data Source: Databases of STCU, needs the support from IT-group

**1** 7. For each of the listed organizations, identify those that were involved in

a) STCU Targeted Initiative project

b) the STCU Chief Technology Commercialization Officer program

c) hosted CIDA Trade Mission visits/meeting

d) STCU Partnership Promotion Roadshow

e) received STCU Conference Support funds for conference it hosted/organized

#	Organization	STCU Target Initiative Project	The STCU Chief Technolog Y Commerci alization Officer program	Hosted CIDA Trade Mission visits/mee ting	STCU Partnership Promotion Roadshow	Received STCU Confererenc e Support funds for conference it hosted/orgi nized
1.						
2. 3.						
3. 4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
	Total					

**Data Source**: <u>Databases of STCU</u>, STCU Secretariat, support of sustainability promotion, technology advancement department, public outreach department is needed

St Ya 8. For each institute with a significant number of FWS (i.e., those with 33% of its employed researchers qualifying as FWS or more than 100 FWS), what percentage of the institute annual budget comes from:

a) state fundsb) non-STCU international grantsc) STCU grants

#### d) commercial sources

#	Organization	State funds	Non-STCU internatio nal grants	STCU grants	Commercial sources	
1.						100%
2.						100%
3.						100%
4.						100%
5.						100%
6.						100%
7.						100%
8.						100%
9.						100%
10.						100%
11.						100%
12.						100%
13.						100%
14.						100%
15.						100%
	Average value					100%

#### Data Sources:

a) Host Government Agencies b) State scientist institution

9.	In the	opinion	of the	institute	directors:
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a) describe the present situation with retirement of scientists, particularly former military scientists?


b) is the pension system improving such that it is getting easier for scientists to enter full retirement with sufficient financial support

Yes	No
Comments	

c) what is the current average pension payments received by senior scientists, uah

less than 700	1500 – 2000	2500 – 3000	
700 – 1500	2000 – 2500	3000 – and more	



d) notwithstanding the minimum age for receiving state-provided pensions, what is the average age at which scientists(particularly former military scientists) are likely to fully retire from active employment

Age	tick	%
60 / 65		
65 – 75		
75 and up		

Data Sources: State scientist institution

### DATA SET C EVALUATION OF SCIENTIST POPULATION

 $\mathfrak{M}$  10. What is the average age of the scientist community?

Ya	Data Sources:

Ya

a) Host Government Agencies b) State scientist institutions

11. What is the average age of scientists:

a) STCU project participants

b) STCU project participants categorized as FWS

### Source of Information: STCU database, Institute survey

St 12. Job placement of recent graduates/senior students

a) what are the main directions in scientific/technical career fields being pursued by senior students/recent graduates of technical universities and institutes
b) what is the trend in these directions; Is there an increasing or decreasing number of students in each career field (put tick in appropriate column)

Main directions in scientific/technical career fields	increase	decrease

Note: In answering this question, identify those career paths hat are closely connected to military fields of activity

### Data Sources:

a) Host Government Agencies b) State scientist institutions

