Basic information
1.1. CRIS Number: 2002/000-580-01-06 Twinning number: PL/IB/2002/SO/02
1.2. Title: Occupational Health and Safety regarding biological agents at work
1.3. Sector: Public administration
1.4. Location: Poland

2. Objectives
2.1. Overall objective:
Creation of legal, organisational and educational bases for effective health protection of workers exposed to biological agents at work.

2.2. Project purpose
(1) Full harmonization of Polish legislation with the EU directive 2000/54/UE on the protection of workers from risks related to exposure to biological agents at work.
(2) Strengthening capacities of the Sanitary Inspection to implement EU directive 2000/54/UE.
(3) Strengthening the Occupational Health Service in prophylactic activities for workers exposed to biological agents.
(4) Launching the National Focal Point for Biological Agents to provide support for the Sanitary Inspection and Occupational Health Service.

2.3. Accession Partnership and NPAA priorities:
NPAA Social policy and employment. Priority 13.5: Adjustment of Polish Law in the Field of Safety and Health at Work, complete alignment and ensure proper implementation of Community legislation in the fields of labour law, equal treatment for women and men and safety at work.

2.4. Contribution to the National Development Plan N/A
2.5. Cross Border Impact N/A

3. Description
3.1. Background and Justification
In Poland the Labour Code and Ministers’ ordinances regulate the principles of occupational safety and health. (J. of Acts of 1998 No 668 item 113 with amendments). The employers are responsible for diagnosing the hazards and reducing occupational risks. State inspections control the observance of legal regulations. The State Labour Inspection (independent institution supervised by Parliament) is responsible for control of obeying Labour Code. Occupational hygiene issues are controlled by the Sanitary Inspection, which is supervised by the Ministry of Health. The Sanitary Inspection controls measurements of harmful factors at the workplace, supervises the reliability of such measurements, the risk assessment in the enterprises, and reducing such risks in the enterprises. The responsibilities in this field of both Inspections are clearly divided.
According to the art. 18 of Labour Code, the surveillance over rules, provisions of occupational hygiene and workplace conditions rests with responsibilities of Sanitary Inspection. Extend of the detailed legal regulations referring to prevention and control is now limited to the chemical and physical hazards, and to working practices, omitting exposures to biological agents. Adjustment of Polish law to the EU legal regulations requires the appropriate amendment of Labour Code and empower of the ordinance. Projected legislation have to include into Polish law system the statements of directives 90/679/EC, 93/88/EC, 97/65/EU, 95/30/EU, 97/59/EU and 2000/54/EU, as well as the legal regulations on the ways and methods of statements’ implementation according to Polish practice. Those solutions indicate new tasks of Sanitary Inspection, which require substantial strengthening of inspectors’ competencies and provision of appropriate tools for SI control and advisory functions. Projected contracts result from the analysis of those requirements. The role of the sanitary inspectors towards enterprises is to make the decisions on diagnosing of working conditions and to indicate (by the administrative decisions) the extend of measurements necessary for assessment of working conditions. Next step in that process are the controls how the risk assessment reduction of biological risks are performed in the enterprises. Assessment of working conditions is the base for above activities.
Achieving of these tasks require the strengthening of knowledge and capacities Sanitary Inspection to implement Directive 2000/54/EU on the protection of workers from risks related to exposure to biological agents at work. The special character of those exposures makes the sanitary inspectors to use special knowledge and special capacities. That implicates the need of creating the postgraduate education system for newly employed workers of SI as well as continuous improvements in knowledge of inspectors, which are actually performing their functions, but towards other types of occupational exposures. The estimated number of needs is determined by the number of 16 regional and 302 county sanitary-epidemiological stations - now responsible for supervision of occupational hygiene.

Projected educational system is directed also – with some minor modifications – towards the improvements of knowledge and capacities of occupational physicians and occupational nurses (personnel of occupational health services) who are providing prophylactic services for workers and who are playing a very important role in prophylactics of occupational and work-related diseases.

The activities of the Sanitary Inspection are very formal, and usage of administrative decisions by the sanitary inspectors in their everyday practice implicate the needs for clearly defined control procedures. Such procedures on biological agents are to be elaborated and implemented in Poland. The relevant help in that respect is the adoption of procedures used in the EU countries. The practical use of those procedures will be an integral part of postgraduate education.

The appropriate laboratory equipment for the Sanitary Inspection is the third condition for actual implementation of Directive 2000/54/EU. The use of that equipment shall ensure the independent and reliable verification of results of working environment measurements performed in the enterprises by different other laboratories. Such measurements of physical and chemical factors are now made in the Sanitary Inspection laboratories. Some of SI laboratories are able to investigate also selected biological agents, but their capacities to measure biological factors is limited by the lack of equipment, and at present that is not scale of measurement, which is required by the Directive. Supplementation and modernisation of the laboratory equipment of SI laboratories is necessary as well as the including of SI personnel into projected educational system.

It is assumed, that the achievement of results is determined also by the provision of support from the Nofer Institute of Occupational Medicine in Lodz (NIOM). The Institute plays such a supportive role for occupational hygiene departments of the Sanitary Inspection. The School of Public Health (integral part of NIOm), which is associated in ESCULAPIUS (the European Network of Schools of Public Health) will guarantee the high level of projected educational programs. NIOM will also play the role of the National Focal Point for Biological Agents, and will use its capacities for integration and co-ordination of activities among employers, employees, inspections and occupational health services. The national (central) register of exposures to biological agents will be an important role of the National Focal Point.

In summary, the realisation of projected new tasks in implementation of Directive 2000/54/EU on the protection of workers from risks related to exposure to biological agents at work is conditioned by the elimination of existing weaknesses, mainly in the SI personnel education and training and in implementation of methodological issues. The diagnosed needs are focused on (1) building the knowledge and capacities for determination of biological risks, (2) preparation and implementation of procedures required for diagnosing the biological hazards, (3) modernisation of equipment which is necessary for diagnosing biological agents (4) methods for risk reduction and (5) creation of support and organisational conditions for co-ordination of different stakeholders‘ activities in the field of diagnosing and reduction of exposures to biological agents.

3.2. Linked activities

The detailed analysis of the legal regulation was performed with regards to the differences between Polish and EU law, which conditioned the implementation of EU directive 2000/54/EU on the protection of workers from risks related to exposure to biological agents at work. Basing on the results of analysis the following tasks were achieved:

1) Preparation of projects of legal regulations, which enable implementation of the Directive and the legislation process, was begun.

2) Preliminary assessment of the protecting devices and equipment was performed in those selected enterprises, where the biological agents are present.

3) The financial costs of the Directive 2000/54/EU implementation were assessed

4) The regional sanitary inspectors were trained on the Directive 2000/54/EU issues and the predicted obstacles and difficulties were registered

Above mentioned tasks were achieved by the actions of Ministry of Health and Chief Sanitary Inspector without financial support from PHARE or any other foreign source.
3.3. Results

- Application of EU rules and guidelines referring to the procedures necessary for identification of the exposure, reliability of measurements and occupational risk assessment
- Education and training of the Sanitary Inspection personnel (present and newly employed) in (1) identification of biological agents, (2) diagnosing the hazards resulting from the exposure to those agents, (3) occupational risk assessment, and (4) preparation and evaluation of projects dealing with primary and secondary prevention.
- Modernisation of laboratory equipment for the Sanitary Inspection necessary for quality control of determination and measurements of biological agents at the workplaces, and launching the accreditation procedures of SI laboratories in this field.
- Gaining the new professional capacities of occupational health services' personnel in: (1) procedures of health monitoring of the workers exposed to biological agents, (2) health criteria for work at the exposure to those agents (3) principles and methods of medical prophylactic activities in workers exposed to biological agents.
- Launching the National Focal Point for Biological Agents, which will provide consultations for Sanitary Inspectorate, and will register the data on exposures to biological agents. The National Focal Point will participate in the European network of epidemiological supervision.

3.4. Activities

Investment part of this project would be the subject of prior experts' acceptance and approval.

**Contract 1 Investment - purchase of laboratory equipment for the Sanitary Inspection:**

SI stations are not prepared for diagnosing biological hazards as occupational risks. In order to assure the required level of their activity, they need a strong support in the course of laboratory equipment purchases.

Supplementation and modernisation of laboratory equipment for the Sanitary Inspection are necessary for quality control of determination and measurements of biological agents at the workplaces, and should include: e.g. personal samplers, impingers (like AGI-4, AGI-30, SAC – or equivalent), aspirators etc. At least 16 sets of equipment for each regional sanitary-epidemiological station are the minimum.

Polish legislation on State Sanitary Inspection (SSI) was modified at the end 2001, so the extend and methods of supervision and control of enterprises by sanitary inspection were changed. The regulatory acts are now in preparation, and the change in the number of those SSI units which are competent for supervision is expected. Such a planned change results from the envisaged concentration of relevant activities in a certain number of units, i.e. in 16 Voivodeship Sanitary-Epidemiological Stations as well as in individual county stations in each voivodeship, what will result in the new scope of responsibilities for referenced stations.

Purchases in the framework of this project are envisaged for 16 Voivodeship Stations and will be used for the fulfilment i.a. of the following responsibilities:

- Identification of the individual biological agents
- Tissue culture
- Control of the efficiency of disinfection and flirting systems

Envisaged amount of purchases for biological agents at work measurements are calculated carefully on the basis of recognition of prices of high-specialised equipment in biological agents’ measurements.

The PAA participation in preparation and verification of investments (the necessary number and types of devices) is expected and cannot be overestimated.

There is no doubt that the investments (equipment) will be used for the fulfilment of Article 6 point 2, paragraph (c) and (g) of the Directive: i.e.: controlling and measuring the biological hazards by SSI:

- whether collective protective measures and / or where exposure cannot be avoided by other means, individual protection measures are used;
- whether testing of biological hazards is possible, for the presence, outside the primary physical confinement, of biological agents.
The equipment will be also used for verification of the measurements performed by the enterprises. The reliability of data supplied by enterprises should be verified by SSI

**Contract 2 Investment – purchase of computer equipment for the National Focal Point for Biological Agents**

Network of SI stations should provide current data on biological agents in the enterprises in the region. Aggregation and analysis of data will be performed on two levels

Purchase of computer equipment and software for the National Focal Point to maintain the central register of enterprises with biological risks at the workplaces and for the regional Sanitary Inspection to maintain regional registers

Purchases envisaged in this part of project:

**Hardware:** ca. 30 users

Price – 2000 euro for one Desktop PC  
**For 30 users – 60 000 euro**

Specialised application software and system – **140 000 euro**

Joint co-financing will be applicable to the co-financing regarding the investment part of the project.

**Contract 3 - Twinning:**

1. Education and training of the Sanitary Inspection personnel (present and newly employed) in (a) identification of biological agents, (b) diagnosing the hazards resulting from the exposure to those agents, (c) occupational risk assessment, and (d) preparation and evaluation of projects dealing with primary and secondary prevention; (e) preparation of training programmes, and educational materials for SI training: manuals, CD-ROMs, methodological guidelines, audio, video, and printed materials for the students of postgraduate courses and distant learning according to requirements. Study visits may be part of the project.

2. Elaboration of the procedures for diagnosing biological hazards, and occupational risk assessment for workers exposed to biological agents; elaboration of the procedures for controlling the enterprises in occupational safety and health of workers exposed to biological agents at the workplace;

3. Gaining the new professional capacities of occupational health services’ personnel: (a) procedures of health monitoring of the workers exposed to biological agents, (b) health criteria for work at the exposure to those agents (c) principles and methods of medical prophylactic activities in workers exposed to biological agents. (d) preparation of training programmes, and educational materials for OHS personnel: manuals, CD-ROMs, methodological guidelines, audio, video, and printed materials for the students of postgraduate courses and distant learning according to requirements.

4. Finalisation of the Minister of Health ordinance on biological agents.

5. Organising the National Focal Point for Biological Agents, which will provide support for the Sanitary Inspection in the implementation of Directive 2000/54/EU and for other issues and stakeholders with the special reference to Occupational Health Service, employers, employees, Labour Inspection et al.; determination of competencies and activities of NFP; launching the register of occupational exposures to biological agents.

The national registers of harmful agents at the workplaces has been driven by the Nofer Institute of Occupational Medicine for many years, but the current registers cover physical and chemical agents only. The register of biological agents at the workplaces will supplement the system of hazards' registration in Poland to its full range.

Creation of the biological agents’ register will be performed according to the Article 7 of the Directive, i.e. the information will be delivered by the enterprises, and the following items will be registered:

- a) the results of assessment of biological agents
- b) the activities in which the workers has been exposed or may have been exposed to biological agents
- c) the number of workers exposed
- d) the names and capabilities of persons responsible for safety and health at work
- e) the protective and preventive measures taken
- f) an emergency plan for protection of workers from exposure to biological agents, which might result from a loss of physical containment
g) information on any accident or incident which may have resulted in the release of a biological agent and which could cause severe infection and/or illness

Twinning will be based on PAA activities (13 man/months), short-term experts and visits of Polish experts to the EU countries.

PAA is expected to be responsible for:

- Monitoring and coordination of project.
- Verification of needs for laboratory equipment of the Sanitary Inspection (mainly laboratories of regional stations).
- Assistance in preparation of the technical specification, both for laboratory and computer equipment as well.
- Assistance and coordination of regional and central registers of enterprises with biological risks at the workplaces.
- Supervision of education and training programmes for SI and OHS personnel.

PAA will act in the Chief Sanitary Inspectorate in Warsaw and will visit NIOM in Lodz on the regular basis, as well as selected regional SI stations and OHS centres.

**PAA profile:**

PAA will be required to specialise and possess depth and practical experience in:

- Practical solutions in relevant institution in one of EU countries (organisation, duties and operation),
- Legislative and institutional solutions in the area of reducing exposures to the biological agents at the workplace and in appropriate prevention means,
- Administration of complex programs on occupational safety and health of workers exposed to biological agents,
- Methods of programs evaluation and projects presenting new solutions in registration and control of exposures to biological agents,
- Experience in education and training of sanitary inspectors.

4. Institutional framework

4.1. There are two beneficiary institutions of the project, both are under Ministry of Health: the Sanitary Inspection and the Nofer Institute of Occupational Medicine (NIOM). Both are supervised by and are in close co-operation under Ministry of Health, as the administrative organ responsible for health in Poland. NIOM provides numerous expertises and projects, and even preparation of legal regulations (e.g. Occupational Health Service Act), norms and standards which are issued officially by Ministry of Health.

Co-operation between SI and NIOM has been performed in numerous fields, mainly in research, expertises, educational programmes, and other activities, which support the Sanitary Inspectorates – mainly in occupational hygiene issues.

The Chief Sanitary Inspectorate will be responsible for all issues related to SI strengthening; including investments (project purpose 2), and NIOM will be responsible for strengthening of OHS and launching the National Focal Point for Biological Agents (project purposes 3 and 4). Both institutions will co-operate in project purpose 1.

The implementation of Directive will be provided by the Sanitary Inspection (the Chief Sanitary Inspectorate, regional and county sanitary-epidemiological stations), and Occupational Health Service – occupational physicians, OHS centres and the Institute of Occupational Medicine.

The issues elaborated and implemented during the project will be disseminated among:

- Employers and employees – in aim to provide appropriate conditions for diagnosing occupational exposures to biological agents and for risk assessment,
- Personnel of the Sanitary Inspection (and other inspections acting in the working environment) for provision of effective supervision and control of fulfilling the duties by employers in the field of biological hazards at the workplace,
- Personnel of occupational health services – to implement the new methods of medical prophylactic activities for workers exposed to biological agents
It is assumed that the tasks of the National Focal Point for Biological Agents will be realised by the Nofer Institute of Occupational Medicine (NIOM) with special support of NIOM’s School of Public Health with sufficient means and experience in education and training of specialists in occupational health, occupational medicine, occupational hygiene, health care organisation etc. NIOM declares full acceptance of the project and participation of personnel.

4.2. No institutional changes are predicted
4.3. N/A
4.4. N/A

5. Detailed budget (mln €)

<table>
<thead>
<tr>
<th></th>
<th>PHARE</th>
<th></th>
<th>National Co-financing</th>
<th>IFIs</th>
<th>Total</th>
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<td>Investment</td>
<td>Institution building</td>
<td>Total PHARE</td>
<td>IFIs</td>
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<td><strong>Contract 1</strong> – purchase of laboratory equipment</td>
<td>0,4</td>
<td>0,4</td>
<td>0,14</td>
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<tr>
<td><strong>Contract 2</strong> – purchase of computer equipment</td>
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<td>0,08</td>
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<tr>
<td><strong>Contract 3</strong> - Twinning</td>
<td>1,13</td>
<td>1,13</td>
<td>0,30</td>
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<td><strong>TOTAL</strong></td>
<td>0,52</td>
<td>1,13</td>
<td>1,65</td>
<td>0,52</td>
<td>2,17</td>
</tr>
</tbody>
</table>

The co-financing funds for the project implementation will be available.

6. Implementation arrangements

6.1. Implementation Agency;
**PAO**: Krystyna Gurbiel, Under-secretary of State at the Office of the Committee for European Integration, Aleje Ujazdowskie 9, 00-918 Warsaw; phone +48 (22) 455 52 41, fax + 48 22 455 52 43.
**CFCU**: Foundation “Co-operation Fund”, Mr Wojciech Paciorkiewicz, Director, ul. Górnoślaska 4a, 00-444 Warszawa, Polska, tel. +48 22 450 99 00, fax. +48 22 622 75 65.
CFCU is responsible for handling tendering, contracting and payments of contracts on behalf of the Chief Sanitary Inspectorate, and the Nofer Institute of Occupational Medicine.

6.2. Twinning
PAA will advise for 13 months to Chief Sanitary Inspector (Andrzej Trybusz, Warsaw, Dluga st. 38/40, phone +48 (22) 635 15 59), and to Nofer Institute of Occupational Medicine in Lodz.
PAA will stay in Chief Sanitary Inspectorate and will visit NIOM at Lodz in accordance with project’s needs. Visits to regional sanitary-epidemiological stations are also planned.

**Contact:**
Supervision: Mr. Zygmunt Debski, Director, Department of Anti-epidemiology and Health Education, Chief Sanitary Inspectorate, 38/40 Dluga Str, Warszawa, tel. 48 22 635 45 81 ext. 108, fax 48 22 635 45 81 ext. 110
Jacek Michalak MD, PhD, Nofer Institute of Occupational Medicine, Department of Health Care Organization. Lodz, ul. Sw. Teresy 8. phone +48 (42) 63 14 670,

6.3. Non-standard aspects:
Tender procedures and contracts will be carry out according to the Practical Guide for Phare, Ispa & Sapard and to the Twinning Manual.

6.4. Contracts:

<table>
<thead>
<tr>
<th></th>
<th>PHARE</th>
<th>TOTAL</th>
</tr>
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<tbody>
<tr>
<td><strong>Contract 1</strong> Investment - purchase of laboratory equipment for Sanitary Inspection</td>
<td>0,4</td>
<td>0,54</td>
</tr>
<tr>
<td><strong>Contract 2</strong> Investment – purchase of computer equipment for National Focal Point for Biological Agents</td>
<td>0,12</td>
<td>0,2</td>
</tr>
<tr>
<td><strong>Contract 3</strong> - Twinning:</td>
<td>1,13</td>
<td>1,43</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>1,65</td>
<td>2,17</td>
</tr>
</tbody>
</table>

Co-financing by the Polish side will be available. Joint co-financing will be applicable to the investment part of the project (contracts 1 and 2).
• contract 1 – **Investment - purchase of laboratory equipment for Sanitary Inspection** supplementation and modernisation of laboratory equipment for Sanitary Inspection necessary for quality control of determination and measurements of biological agents at the workplaces: e.g. personal samplers, impingers (like AGI-4, AGI-30, SAC – or equivalent), aspirators etc.; additional computer equipment and software for newly projected local registers of enterprises with biological risks at the workplaces;

• contract 2 – **Investment – purchase of computer equipment for National Focal Point for Biological Agents** – the means will be spent on computer equipment and software for newly projected central registers of enterprises; supplementation of transportation means for intensification of controls,

• contract 3 - **Twinning** – the means will be used for expenditures of experts (PAA for 13 months, and STE); visits of Polish experts to EU countries; translations and administration. Finalisation of legislative jobs and instructions the means will be spent on transportation costs, edition and printing, lawyers’ consultations. Organising National Focal Point and registers – the means will be spent on organization of NFP basing on the capacities and personnel of NIOM. The preparation of national and regional registers of enterprises with biological hazards at the workplaces. At the beginning of the project the means will be spent also on research work related to health protection of workers, in that respect national financial support is planned;

• Education and training of SI personnel - the means will be spent on organisation of training, preparation of training programmes and educational materials like manuals, CD-ROMs, methodological guidelines, etc. according to requirements; Investments in appropriate audio, video as well as printed materials for the students

• Elaboration of the procedures for diagnosing biological hazards, and occupational risk assessment for workers exposed to biological agents; elaboration of the procedures for controlling the enterprises in occupational safety and health of workers exposed to biological agents at the workplace;

• Gaining new capacities of OHS personnel - the means will be spent on organisation of training, preparation of training programmes, and educational materials like manuals, CD-ROMs, methodological guidelines, etc. according to requirements; Investments in appropriate audio, video as well as printed materials for the students. Occupational health services and employers will cover the remarkable portion of financial resources in that contract;

7. **Implementation schedule**
   7.1 Start of tendering/call for proposals: I quarter 2003
   7.2 Start of project activity: II quarter 2003
   7.3 Project completion: III quarter 2005

8. **Equal opportunity**
The project will be opened to both, women and men, on the equal bases. The guarantee of equal opportunities for men and women is Polish Labour Code, which excludes discrimination in employment. Candidate suitability will be judged solely on merits, including professional experience.

9. **Environment:** N/A
10. **Rates of return:** N/A
11. **Investment criteria:** N/A
12. **Conditionality and sequencing**

Conditionality
The project can be implemented just after accepting by the Parliament the amendments to Labour Code (that is expected in II quarter 2002)

Schedule of activities:

<table>
<thead>
<tr>
<th></th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Contract 1 - Investment - purchase of laboratory equipment for Sanitary Inspection</td>
</tr>
<tr>
<td>2</td>
<td>Contract 2 Investment – purchase of computer equipment for National Focal Point for Biological Agents</td>
</tr>
<tr>
<td>3</td>
<td>Contract 3 Twinning</td>
</tr>
</tbody>
</table>
### Annex 1: Logframe matrix

<table>
<thead>
<tr>
<th>LOGFRAME MATRIX</th>
<th>Programme name and number</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.06 OHS regarding biological agents at work</td>
<td></td>
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</table>

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<tbody>
<tr>
<td>TOTAL BUDGET OF THE PROJECT: 2.170 000 €</td>
<td>PHARE: 1 650 000 €</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall objective (1)</th>
<th>Objectively Verifiable Indicators (2)</th>
<th>Sources of verification (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creation of legal, organisational and educational bases for effective health protection of workers exposed to biological agents at work</td>
<td>Registration of enterprises with biological agents at workplace</td>
<td>Central register and regional registers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project purposes (4)</th>
<th>Objectively Verifiable Indicators (5)</th>
<th>Sources of verification (6)</th>
<th>Assumptions (7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Finalisation of harmonising Polish legislation with EU directive 2000/54/UE.</td>
<td>Comparison of legal regulations</td>
<td>Legal acts</td>
<td>Finalisation of legislative process</td>
</tr>
<tr>
<td>2. Strengthening of capacities of Sanitary Inspection to implement of EU directive 2000/54/UE</td>
<td>Laboratory standards Improvement in accreditation procedures Laboratory equipment Number of participants completing the training</td>
<td>Data from the SI stations Results of control and/or accreditation of laboratories Supervision by NIOM Certificates</td>
<td></td>
</tr>
<tr>
<td>3. Strengthening of Occupational Health Service in prophylactic activities for workers exposed to biological agents</td>
<td>OHS standards Improvement in accreditation procedures Number of participants completing the training</td>
<td>Routine OHS reports Audits of OHS units Certificates</td>
<td></td>
</tr>
<tr>
<td>4. Launching the National Focal Point for Biological Agents to provide support for Sanitary Inspection and Occupational Health Service</td>
<td>Programs of training, procedures, registers</td>
<td>NFP reports</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Results (8)</th>
<th>Objectively Verifiable Indicators (9)</th>
<th>Sources of verification (10)</th>
<th>Assumptions (11)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final harmonisation of Polish law with Directive 2000/54/UE.</td>
<td>Comparison of legal regulations</td>
<td>Legal acts</td>
<td>Finalisation of legislative process</td>
</tr>
<tr>
<td>Application of EU rules and guidelines referring to the procedures necessary for identification of the exposure, reliability of</td>
<td>Guidelines and manuals</td>
<td>Educational material</td>
<td></td>
</tr>
</tbody>
</table>

01.06 OHS regarding biological agents at work - p.9
<table>
<thead>
<tr>
<th>Activities (12)</th>
<th>Means (13)</th>
<th>Assumptions (14)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education and training of Sanitary Inspection personnel (present and newly employed) in (1) identification of biological agents, (2) diagnosing the hazards resulting from the exposure to those agents, (3) occupational risk assessment, and (4) preparation and evaluation of projects dealing with primary and secondary prevention.</td>
<td>Number of participants completing the training (certificates)</td>
<td>Data from the training centres</td>
</tr>
<tr>
<td>Modernisation of laboratory equipment for Sanitary Inspection necessary for quality control of determination and measurements of biological agents at the workplaces, and launching the accreditation procedures of SI laboratories in this field.</td>
<td>Laboratory standards, improvement in accreditation procedures</td>
<td>Results of control and/or accreditation of laboratories; SI reports; NIOM supervision; PAA visits</td>
</tr>
<tr>
<td>Gaining the new professional capacities of occupational health services’ personnel in: (1) procedures of health monitoring of the workers exposed to biological agents, (2) health criteria for work at the exposure to those agents (3) principles and methods of medical prophylactic activities in workers exposed to biological agents</td>
<td>Information of stated exposures, information on controls</td>
<td>Routine reporting on OH (according to Polish law) Survey on OHS and biological agents</td>
</tr>
<tr>
<td>Launching the National Focal Point for Biological Agents</td>
<td>Programs of training, procedures, Data from registers</td>
<td>NFP reports</td>
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<table>
<thead>
<tr>
<th>Activities (12)</th>
<th>Means (13)</th>
<th>Assumptions (14)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harmonisation of law</td>
<td>Twinning</td>
<td>Financing of legislation process by national means</td>
</tr>
<tr>
<td>Education and training</td>
<td>Twinning, investment</td>
<td>Remarkable portion of financial resources in that contract will be covered by occupational health services and employers;</td>
</tr>
<tr>
<td>Procedures</td>
<td>Twinning</td>
<td>Legal framework</td>
</tr>
<tr>
<td>Laboratory equipment</td>
<td>Investment</td>
<td>Effective procedures on wording contracts by tenders</td>
</tr>
<tr>
<td>National Focal Point and registers</td>
<td>Twinning and investment</td>
<td>Appropriate means for supporting research work related to health protection of workers</td>
</tr>
<tr>
<td>Twinning</td>
<td>1 PAA + STE visits of Polish experts in EU countries</td>
<td>National funds for administration and assistance to the experts</td>
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**Preconditions (15)**
### Finalisation of legislative process

**Annex No 2+3. Implementation, contracting and disbursement schedule**

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#### PLANNED

**01.06 OHS regarding biological agents at work**

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D – design  
C – contracting  
I – implementation