PHIRE – Public Health Innovation and Research in Europe

Country Report

CZECH REPUBLIC

July 2012

EUPHA
European Public Health Association
P.O. Box 1568
3500 BN Utrecht
The Netherlands
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PHIRE is implemented from 1 September 2010 until 28 February 2013.

PHIRE is coordinated by the European Public Health Association (EUPHA).
Associated partners are: EHESP, School of Public Health (FR); Faculty of Public Health (FPH, UK); Institute of Hygiene (LIH, LT); Karolinska Institute (SE); Ministry of Health, the Elderly and Community Care (MHEC, MT); NIVEL – Institute for health services research (NL); Slovak Public Health Association (SAVEZ, SK).
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Introduction

The national PHIRE meeting took place at the Ministry of Health on 17 May 2012. The programme of the meeting was focused on information about financing public health research in the country. After presenting the PHIRE project, representatives from the Ministry of Health gave their presentations: Mr Bodnár on EU funding within the health sector, Mr Kapucián on the Internal Grant Agency of the Ministry of Health, and Mrs Hamplová on national action plans (the original invitation and agenda are included as Appendix 1).

There was a very long discussion between the participants and each of the speakers showing that public health research and promotion and its financing are hot issues in the Czech Republic. The participants expressed dissatisfaction with information available to the interested institutions and the level of funding available to public health.

It was decided to organize a second PHIRE seminar on 21 June 2012 to discuss funding within the European Commission’s 7th Framework Programme for Research. As a main speaker, a person from the Technological Agency of the Czech Republic was invited. There were about 30 participants at this second PHIRE seminar in June. Many participants expressed the view that regular meetings of persons (institutions) interested in the public health research would be beneficial.

This report is not a direct result of these two meetings. However, information from the meetings was used to complete the report.
1. PHIRE Innovation Projects

VENICE (August): Prof. Roman Prymula, prymula@fnhk.cz
EAAD (April): Prof. MD. Jiri Raboch, raboch@cesnet.cz
CSAP (May): Assoc. prof, MD, PhD Veronika Benesova, veronika.benesova@lfmotol.cuni.cz
EUCID (May): Assoc. Prof, MD, PhD, Katerina Ivanova, katerina.ivanova@upol.cz

Comments on the national report: impact, policy changes and lessons learned on account of the eight different innovation (tracer) projects.

Does the National Public Health Association (NPHA) have additional information on national impact, policy changes and lessons learned with these eight projects?

Comments on other actions needed to assess impact, policy changes and lessons learned with these projects at national level.

We have tried to contact persons participating Phase 1 by email, but we have not got any answer. We also carried out internet search, but we were not able find any local (Czech) website describing the tracer projects. Since the PHIRE meeting was much longer than expected due to large discussion, there was not time left to discuss tracer projects.

Table 1: PHIRE Innovation Projects

<table>
<thead>
<tr>
<th>Innovation project</th>
<th>Project website</th>
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<tr>
<td>VENICE - Vaccine European New Integrated Collaboration Effort</td>
<td><a href="http://venice.cineca.org">http://venice.cineca.org</a></td>
</tr>
<tr>
<td>EURO-URHIS I - European system of urban health indicators</td>
<td><a href="http://www.urhis.eu">www.urhis.eu</a></td>
</tr>
<tr>
<td>HA - Healthy Ageing</td>
<td>n.a.</td>
</tr>
<tr>
<td>EAAD - European Alliance Against Depression</td>
<td><a href="http://www.eaad.net">www.eaad.net</a></td>
</tr>
<tr>
<td>ENHIS - Environmental and Health Information Systems in Europe</td>
<td><a href="http://www.enhis.org">www.enhis.org</a></td>
</tr>
<tr>
<td>EUCID - European Core Indicators in Diabetes Mellitus</td>
<td>n.a.</td>
</tr>
</tbody>
</table>
2. Public Health Research System in the Czech Republic

The updated version of the STEPS country profile describes public health research system in the country and is attached as Appendix 5,

Some additional information:

Are there clear roles, responsibilities and collaboration between Ministry of Science, Ministry of Health and other funders - regions, universities, independent foundation?

Sector of Science is under the Ministry of Youth, Education and Sport.

Is commissioning included within a national strategy for health / public health research?

No.

Was a full range of public health research fields (including health promotion, health services epidemiology, surveillance, management, wider determinants) commissioned in 2010?

No.

Is public health research open to wide range of researchers, and including civil society

Yes, however the field is dominated by universities, research centres and public health authorities.
3. National and European Research

Currently, there is no EU-funded operational programme devoted to health. In the new wave of programme, the number of which should be decreased, the ministry officials claim that they will lobby to achieve higher priority for health and specially public health.

In comparison to other ministries, the Ministry of Health looks as a weak partner regarding the EU funds.

**Does the Ministry of Health have a position on the content of the European Union’s Horizon 2020 (2014-2020) Research Programme?**

The Ministry of Health of the Czech Republic does not have and does not prepare a resort position to the EU upcoming programme Horizon 2020.

**Do national research programmes cover the areas of the PHIRE Innovation (tracer) Projects?**

Yes, the national research programmes (represented e.g. by the Internal Grant Agency of the Ministry of Health (and Czech Science Foundation) are designed in such a way that they cover all types of health research. It must be stressed that such programmes finance research, not intervention.

**Is there a connection between national research and the European Projects, in general?**

Yes, since the part of national research is co-financed from European funds.

**How does the Ministry of Health discuss this with the Ministry of Science?**

There is a limited discussion.

**Does the Ministry of Health have a position on the use of the European Union’s Structural (Regional and Social) Funds programme for public health research in 2014-2020?**

At the seminars, the representatives of the Ministry of Health considered as priorities mental health reform and public health.

**How does the Ministry of Health discuss this with the Ministry of Finance and/or other Ministries?**

The discussion about financing is complicated. It is sure that the number of regional and social operational funds will be reduced. There is no operational program specific to health.
Please provide details on Ministry of health engagement in priorities and funding both at national and European level.

Within the government the ministries has to defend the financing and priorities. Ministry of Health is usually in the position of one of the “weaker” ministries.
4. Recommendations of workshop participants and Conclusions

1. The participants expressed dissatisfaction with information available to the interested institutions and the level of funding available to public health.

2. Low priority of public (population) health in comparison to personal health.

3. Low priority of public (population) health research in comparison to personal health research.

4. A promise that in the future, the EU-funded projects will be more focused on public health.

5. Internal Grant Agency of the Ministry of Health, main sponsor of research, also gives low priority to public health by underestimating social research.
Appendix 1. Agenda of the meetings

1. The original Czech invitation to the seminar that took place at the Ministry of Health on 17 May 2012:

**Česká lékařská společnost**
**Jana Evangelisty Purkyně**
**Společnost sociálního lékařství a řízení péče o zdraví**

Společnost sociálního lékařství a řízení péče o zdraví ČLS JEP
ve spolupráci se Sekcí ochrany a podpory veřejného zdraví Ministerstva zdravotnictví ČR
a Českou společností podpory zdraví

Vás zve na
diskusní seminář pořádaný v rámci programu PHIRE na téma

**Možnosti výzkumu v oblasti veřejného zdravotnictví**

Seminář se koná dne 17. května 2012 od 10.00 hodin

v zasedací místnosti č. 223k v přízemí Ministerstva zdravotnictví.

Diskuzní seminář je připraven v rámci mezinárodního projektu Phire (Public Health Innovation & Research in Europe). Projekt navazuje na programy SPHERE (Strengthening Public Health Research in Europe) a STEPS (Strengthening Engagement in Public Health Research), které se zabývaly mapováním možností výzkumu v oblasti veřejného zdraví a zdravotnictví; specifickými cíli projektu PHIRE jsou:

- Prozkoumat dopad aktivit v oblasti veřejného zdravotnictví financovaných v rámci prvního programu veřejného zdravotnictví (PHP) EU
- Vytvořit databázi informací o výzkumu v oblasti veřejného zdravotnictví na národní a evropské úrovni
- Zformulovat doporučení, jak zvýšit efektivitu programů v oblasti veřejného zdravotnictví

Setkání bude navazovat na semináře realizované v březnu 2010 s názvem „Podpora výzkumu v oblasti veřejného zdraví“, a v dubnu 2011 pod názvem „Budoucnost výzkumu v oblasti veřejného zdravotnictví“.

Témata diskusního semináře:
- Témata prvého programu veřejného zdravotnictví EU a jejich odraz ve výzkumu v ČR
- Zmapování výzkumných témat a institucionálního zázemí výzkumu v oblasti veřejného zdraví v ČR
- Grantová podpora výzkumu v oblasti veřejného zdravotnictví
- Role neziskového sektoru ve výzkumu v oblasti veřejného zdravotnictví

Od účastníků diskusního semináře se nepředpokládá prezentace obšírých přednášek na uvedená témta, ale spíše krátké exposé a diskuse k možnostem, které nabízí program PHIRE veřejnému zdravotnictví v ČR.

- Hlavní pozornost by měla být věnována výzkumu v oblasti veřejného zdravotnictví, teprve v druhém plánu jednotlivým tématům a problémům veřejného zdraví/zdravotnictví
- Klíčový význam má mapování subjektů, které se výzkumu ve veřejném zdraví/zdravotnictví věnují, případně mají potenciál se těmto problémům věnovat
- Velice důležité je také získání přehledu o dostupných finančních zdrojích (grantech, fondech) k financování výzkumných projektů v oblasti veřejného zdraví/zdravotnictví.

MUDr. Viera Šedivá
zástupkyně hlavního hygienika ČR

Doc. Ing. Mgr. Martin Dlouhý, Dr. MSc.
předseda
Společnost sociálního lékařství
a řízení péče o zdraví ČLS JEP

PhDr. Zdeněk Kučera
ředitel
Česká společnost podpory zdraví

Příloha: PHIRE outline

2. Agenda of the meeting

1. Mr. Martin Dlouhý – invitation, PHIRE Project, the objective of the seminar
2. Mr. Zdeněk Kučera – STEPS project
3. Mr. Bodnár, Department of European Funds, Ministry of health – presentation of EU funding in the future
4. Mr. Kapucián, Internal Grant Agency of the Ministry of Health – funding in the future
6. Discussion
3. The original invitation to the second PHIRE seminar that took place at the Institute of Postgraduate Medical Education on 21 June 2012 (and translation).

Škola veřejného zdravotnictví Institutu postgraduálního vzdělávání

ve spolupráci se Společností sociálního lékařství a řízení péče, Společností hygieny a komunitní medicíny ČSL JEP, Českou společností podpory zdraví a Technologickým centrem AV ČR

pořádají dne 21. června 2012 v učebně č. 136 v budově ředitelství IPVZ, Ruská 85, Praha 10,

seminář na téma: Sedmý rámcový program EU a připravovaný program HORIZONT 2020,

který přednese doc. RNDr. Judita Kinkorová, CSc. z Technologického centra AV ČR

Seminář se koná v rámci české účasti na mezinárodním projektu PHIRE (Public Health Innovation & Research in Europe, který je koordinován EUPHA (European Public Health Association)).

Cílem semináře je kvalifikované seznámení účastníků s evropským pojetím aktuálně realizovaných a plánovaných programů v oblasti financování vědy a výzkumu v oblasti zdravotnictví s konkrétním důrazem na financování výzkumu ve veřejném zdravotnictví - Sedmý rámcový program pro výzkum a technologický rozvoj (7. RP).


Závěrečná širší odborná diskuse by měla vést k formulaci názorů, postojů a konkrétních připomínek k realizovaným a připravovaným evropským projektům.

Seminář je určen všem, kteří se chtějí správně orientovat ve stávajících a připravovaných programech EU, které jsou zaměřeny na financování vědy a výzkumu v oblasti zdravotnictví a veřejného zdravotnictví.

Vzdělávací akce je pořádaná dle Stavovského předpisu ČLK č. 16, takže lékařům bude vystaven certifikát s adekvátním počtem kreditů a stejně tak budou přiděleny kredity nélékařům podle zák. 96/2004 Sb.

Účast na semináři je z_darma*), účastnicí se přihláší na webové stránce: http://zeus.vzdelavani-zdravotniku.cz/ (číslo vzdělávací akce pro lékaře: 294021779, číslo vzdělávací akce pro nélékaře 294021579) nebo u paní Věry Pavelkové, tel.: 271 019 335 ,e-mail: pavelkova@ipvz.cz anebo Jany Kubové, DiS, tel.: 271 019 235,e-mail: kubova@ipvz.cz

Program semináře:

9.00 - 9.20: Úvodní slovo: MUDr. A. Malina, ved. ŠVZ IPVZ,

PhDr. Zdeněk Kučera, ředitel České společnosti podpory zdraví

9.20 - 10.15 Aktuální témata k poslední výzvě priority Health 7. RP na rok 2013

10.30-11.15 Program HORIZONT 2020

11.15-12.00 Diskuse
PARTIAL TRANSLATION OF THE INVITATION

School of Public Health of the Institute of Postgraduate Education
in collaboration with the Society of Social Medicine and Health Care Management, the Czech Health Promotion Society, and Technology Center of the Czech Academy of Sciences
organize on June 21, 2012, in room no. 136, the Institute of Postgraduate Medical Education, Ruská St. 85, Prague 10,

seminar: Seventh EU framework programme and HORIZONT 2020 programme

presented by doc. RNDr. Judita Kinkorová, CSc. from Technology Center of the Czech Academy of Sciences

The seminar take place within the Czech participation in project PHIRE (Public Health Innovation & Research in Europe), which is coordinated by EUPHA (European Public Health Association).

The goal of the seminar is qualified explanation with current or planned European programmes in area of research financing in the health sector, focused on public health research financing – Seventh framework programme for research and technology development.

During the seminar, participants will be informed about current preparation work on HORIZONT 2020 programme. It is an integrated system, that will include all current European financing tools of science and research – Competition and innovation framework programme and European technical and innovation institute. By merging this two programmes into HORIZONT 2020, the programme will be simpler and more flexible.

Final, wider professional discussion should lead to formulation of views, attitudes and detailed remarks to current and planned European projects.

Seminars is for all, who want to be oriented in current and planned EU programmes that are oriented to science and research financing in the area of health services and public health.

Programme:

9.00 - 9.20: Introduction: MUDr. Antonín Malina, Director of School of Public Health, PhDr. Zdeněk Kučera, Director of the Czech Health Promotion Society

9.20 - 10.15  Recent topics on last call from priority Health, 7th Framework 2013

10.30-11.15 Programme HORIZONT 2020

11.15-12.00 Discussion
Appendix 2. List of participants

There were about 25 participants at the meeting of 17 May 2012. The list of participants was located at the entrance of the Ministry of Health, therefore some participants from organizations located in that building have not signed (the Ministry of Health, Institute of Health Information and Statistics, Internal Grant Agency of MOH).
Appendix 3. List of distributed documentation

1. As appendix, the basic information about the PHIRE project was attached to the PHIRE seminar invitation.

2. The presentations at the seminar were in the form of MS Powerpoint.
Appendix 4. Copies of press release

There was no official press release from the project.
Appendix 5. Updated STEPS Report

CZECH REPUBLIC

This information on national public-health research structures was revised by Miloslav Klugar in 2012. It builds on information gained from country key informants and internet searches for STEPS (STrengthening Engagement in Public Health Research [www.steps-ph.eu]), a project funded by the European Commission’s 7th Framework Research Programme. It builds on the country profiles and reports from Ministries of Health and Ministries of Science that were created previously for SPHERE (http://www.ucl.ac.uk/public-health/sphere/sphereprofiles.htm).

The organogram shows the structure for managing and providing public-health research from the perspective of financial flows. The main organisations are also briefly described, with their URLs, and other relevant national documents and information on public-health research. Note: ‘Public-health research’ includes all health research at population, organisation and system level broadly relevant to health and health-care policy and practice. It excludes clinical and laboratory (biomedical) research.

1. Organogram
2. **Research Commissioners**

For the purpose of providing public support for science and research, the provider is the organisation body of the state or independent self-governing unit that decides on support provision and that provides this support. Public support is either of special or institutional character.


The main authorities in research and development are given by the Law No. 130/2002 Coll., on the support of research and development from public resources - [http://www.vyzkum.cz/storage/att/9A5FB83C4645ADFD6413FD8938960D0C/zakon130.pdf](http://www.vyzkum.cz/storage/att/9A5FB83C4645ADFD6413FD8938960D0C/zakon130.pdf)


2.1. **Research, Development and Innovation Council (RDIC)**

RDIC is a professional and advisory governmental body for the field of research development and innovation (RDI) and according to the Law No. 130/2002 Coll. ensures in particular the processing of long-term basic directions of research and development in the Czech Republic, processes annual analyses of RDI and proposes to the government the amount of overall RDI expenses and their allocation in individual budget sections - [http://www.vyzkum.cz/FrontClanek.aspx?idsekce=496](http://www.vyzkum.cz/FrontClanek.aspx?idsekce=496).

2.2. **The Ministry of Education, Youth and Sports (MEYS)**

The ministry is the central administrative authority responsible for research and development. It particularly ensures the preparation of National Research and Development Policy of the Czech Republic; formulation of priorities in a form of National Research Programme and realisation of research priorities in the areas that do not fall within the competence of the providers, in a form of ensuring parts of National Research programme, international collaboration of the Czech Republic in research and development, including negotiations with bodies and institutions of the European Communities and individual states of the European Communities with authority for research and development.

In the field of public health research, special financial support can be demanded for specific university research. [http://www.msmt.cz/vyzkum/ucelova-podpora-na-sopficky-vysokoskolsky-vyzkum](http://www.msmt.cz/vyzkum/ucelova-podpora-na-sopficky-vysokoskolsky-vyzkum)
2.3. Ministry of the Interior (MI)
The ministry is responsible for security research for the needs of the state -
http://www.mvcr.cz/clanek/bezpecnostni-vyzkum-pro-potreby-statu-v-letech-2010-az-2015-
by-ii-1-vz.aspx

2.4. Ministry of Defence (MD)
The ministry is responsible for the central military health institute -

2.5. Ministry of Health (MH)
The expert advisory body of the Ministry of Health is the Internal Grant Agency of the Ministry of
Health (hereinafter referred to as “IGA MH”) - http://iga.mzcr.cz/publicWeb/

2.6. Grant Agency (GA)
The agency grants projects - http://www.gacr.cz/o-ga-cr/- and is an organisational department
of the state and administrator of budget section according to § 30 Sec. 1 Law No. 130/2002 Coll.
GA is an independent accounting unit with special and institutional means allocated by the law
on state budget of the Czech Republic. Its basic task is to prepare and realise groups of grant
projects and other activities in the area of basic research, including public tenders in research,
experimental development and innovations for support of grant projects. In the classification of
domains in the central register of projects there is stated domain FQ - Public Health Care, Social

2.7. Technological Agency (TA)
This agency programme projects - http://www.tacr.cz/ The Technological Agency is an
organisational department of the state and administrator of budget section according to § 36a
and Law No. 130/2002 Coll. Technology Agency of the Czech Republic prepares and implements
programmes of applied research, experimental development and innovation.

The first programme created and realized by the TA is called ALFA. It is a programme supporting
projects of applied research and experimental development. In February 2011 the programme
called BETA was launched, it is a programme of public procurement in research, experimental
development and innovation for the needs of public administration bodies. In June and July 2011
two other new programmes were launched – the Competence Centres programme supporting
long-term collaboration between the public and private sectors on research, development and
innovation and the programme OMEGA supporting applied social science research and
experimental development and. Also second call of public competition of the ALFA programme
was announced during July 2011.

Each programme gives great emphasis on the application of project results although they differ
in the volume of financial resources, objectives and selection process.

2.8. Grant Agency of the Academy of Sciences (GA AS)
This agency is a department of Czech Academy of Sciences. The mission of GA AS is to support
quality projects that have the character of basic research and base the support on suggestions of
research teams and individuals. The activity of GA AS contributed to realisation of Research and
Development Conception Development in the Academy and that of National Policy of Czech R&D.
GA AS in accordance with Law No. 283/1992 Coll., on the Academy of Sciences of the Czech Republic, as amended, and in accordance with Law No. 130/2002 Coll., distributes special financial means designated for this purpose from the budget of the Academy and possibly from other resources for grant projects’ support on the basis of public tender in research and development. [http://www.gaav.cz/](http://www.gaav.cz/)

3. **Research Providers**

The applicant for special support in science and research can be an organisational constituent of the state or organisational unit of a ministry that deals with research and development and also legal or natural person that applies for provision of support.

3.1. **Public administration institutions (state administration and self-government)**

3.1.1. **Public universities**

This category in particular involves institutes or departments of social medicine and public health of medical faculties of:

- Masaryk University, Brno - [http://www.muni.cz/med/110520/people](http://www.muni.cz/med/110520/people);

The following medical faculties are also engaged in public health research:

- University of West Bohemia - [http://www.zcu.cz/](http://www.zcu.cz/)

3.1.2. **State-funded institutions of the Ministry of Health**

The **National Institute of Public Health (NIPH)** and its reference workplaces were established for preparation of data for national health policy, for health support and protection, to ensure methodical and reference activities in the area of public health protection, for monitoring and research of relationship between living conditions and health, for international collaboration, to control the quality of services provided in the area of public health protection, for post-graduate education in medical branches of health protection and support and for medical education of the population - [http://www.szu.cz/poslani-ustavu](http://www.szu.cz/poslani-ustavu) and workplaces of public administration - health institutes in individual regions - [http://portal.gov.cz/wps/portal/_s.155/697?kam=kategorie&kod=0173](http://portal.gov.cz/wps/portal/_s.155/697?kam=kategorie&kod=0173)
The National Centre of Health-care and Non-medical Health-Care Disciplines (NCHNHD) in Brno that ensures lifelong education in the field of non-medical disciplines - http://www.nconzo.cz/web/guest/nconzo/structure/regulation

The Institute of Post-graduate Education in Health Care (IPEH) in Prague is a specialised educational and scientific workplace that ensures and performs for the establisher a conceptual, analytical, pedagogical, methodical, coordination, registration, assessing, expert, scientific-research and accreditation activity in the field of specialised education of health-care workers. The School of Public Health serves as specialised public health workplace http://www.ipvz.cz/pracoviste/2940/informace-o-pracovisti-65.aspx.

3.2. Non-state institutions

3.2.1. Healthy Cities of the Czech Republic (HCCCZ)
HCCCZ is the interest association of legal persons Healthy Cities of the Czech Republic is an association of active cities, municipalities and regions whose programmes follow the principles of sustainable development, health support and general quality of life. The association helps the member municipalities in particular in the area of public engagement, realisation of local Agenda 21, organisation of community campaigns, strategic and community planning, system of health support on the local level etc. http://www.nszm.cz/index.shtml

3.2.2. Green Circle in Science and Research

3.2.3. Czech Health Support Society
This society is a civic association. The association's objective is to stimulate the public to active interest in their own health, to participation in creation of healthy living conditions and support of healthy lifestyle http://www.cspz.cz/Programove-cile/

3.2.4. National Reference Centre
This centre is an interest association of legal persons - http://www.nrc.cz/

4. Research Strategies


The data are summarised in the publication by publishing house SLON; The White Book of Research, Development and Innovations in the Czech Republic and in the magazine ERGO, ISSN 1802-2170. - http://www.strast.cz/ergo/
The National Policy of R&D until the 2015 sets the following priorities. The Government at its meeting on 6 April 2011 approved the principles for the preparation of national priorities for research, experimental development and innovation, new priorities will be submitted to the Government by 30 June 2012.

4.2. National Research Programme (NRP)
The NRP sets the priorities: in the area of PHR only the thematic programme No. 1 - Quality of Life - sub-programme population's health (Ministry of Health in charge) and Quality and Safe Nutrition (Ministry of Agriculture in charge).

4.3. Departmental Programme of Research and Development of MH (DPR III)
The programme of the Ministry of Health is based on the approved Concept of Applied Medical Research and Development until the 2015 and from the amended Law No. 211/2009 Coll., on the support of research, experimental development and innovations.

The basic objectives of the approved Departmental Programme DPR III among others include:
- improvement of concrete contribution to health care in individual areas of applied research (primarily in diagnostics, therapy and prevention) in a form of provision of special programme project support,
- support of molecular-biological approaches in relevant areas of medical research and development,
- assurance of further development of the current top workplaces including creation of conditions for greater engagement of young research workers, etc.

Table: Allocation of public means for DRP III

<table>
<thead>
<tr>
<th>DRP III</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public resources</td>
<td>100</td>
<td>212</td>
<td>746</td>
<td>1,150</td>
<td>1,100</td>
<td>1,050</td>
<td>4,358</td>
</tr>
<tr>
<td>Own resources</td>
<td>4</td>
<td>6</td>
<td>13</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>89</td>
</tr>
<tr>
<td>Total</td>
<td>104</td>
<td>218</td>
<td>759</td>
<td>1,172</td>
<td>1,122</td>
<td>1,076</td>
<td>4,447</td>
</tr>
</tbody>
</table>

4.3.1. Sub-section of Departmental Programme DPR III 09
The relationship of health and environment, preventive approaches in health care, have the following priorities:
– Identification of health risks and evaluation of influence on health based on the way of life and living or working environment.
– Development, verification and validation of new sensitive bio-markers of exposure and effect.
– Methods of eliminating risk factors on all levels.
– Injury prevention, in particular that of children and seniors.

4.3.2. Sub-section of Departmental Programme DPR III 12
Health care, health care systems and informatics have the following priorities:
– New methods in the field of health care and tools of health policy in the activity of health care systems.
– Development of the standard and system of processing health care information, including indicators of efficiency and quality.

4.4. Research priorities of individual organisations
This concerns primarily those of public universities and National Institute of Public Health
5. Programmes and calls

<table>
<thead>
<tr>
<th>Calls</th>
<th>Research Commissioner</th>
<th>Thematic Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2015</td>
<td>Technological Agency of the CR</td>
<td>Programme for support of applied research and experimental development - ALFA</td>
</tr>
<tr>
<td>2011-2015</td>
<td>Technological Agency of the CR</td>
<td>Programme for support of applied social science research and experimental development - OMEGA</td>
</tr>
<tr>
<td>2012-2015</td>
<td>Internal Grant Agency of the CR</td>
<td>Projects of medical research and development</td>
</tr>
<tr>
<td>2011-2015</td>
<td>Grant Agency of the CR</td>
<td>Public health research is not stated in departmental programmes</td>
</tr>
</tbody>
</table>

6. European contacts

**National FP7 Contact point (Health area)**

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