

# The Researchers Report 2012

## Country Profile: Poland



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# 1. Key data

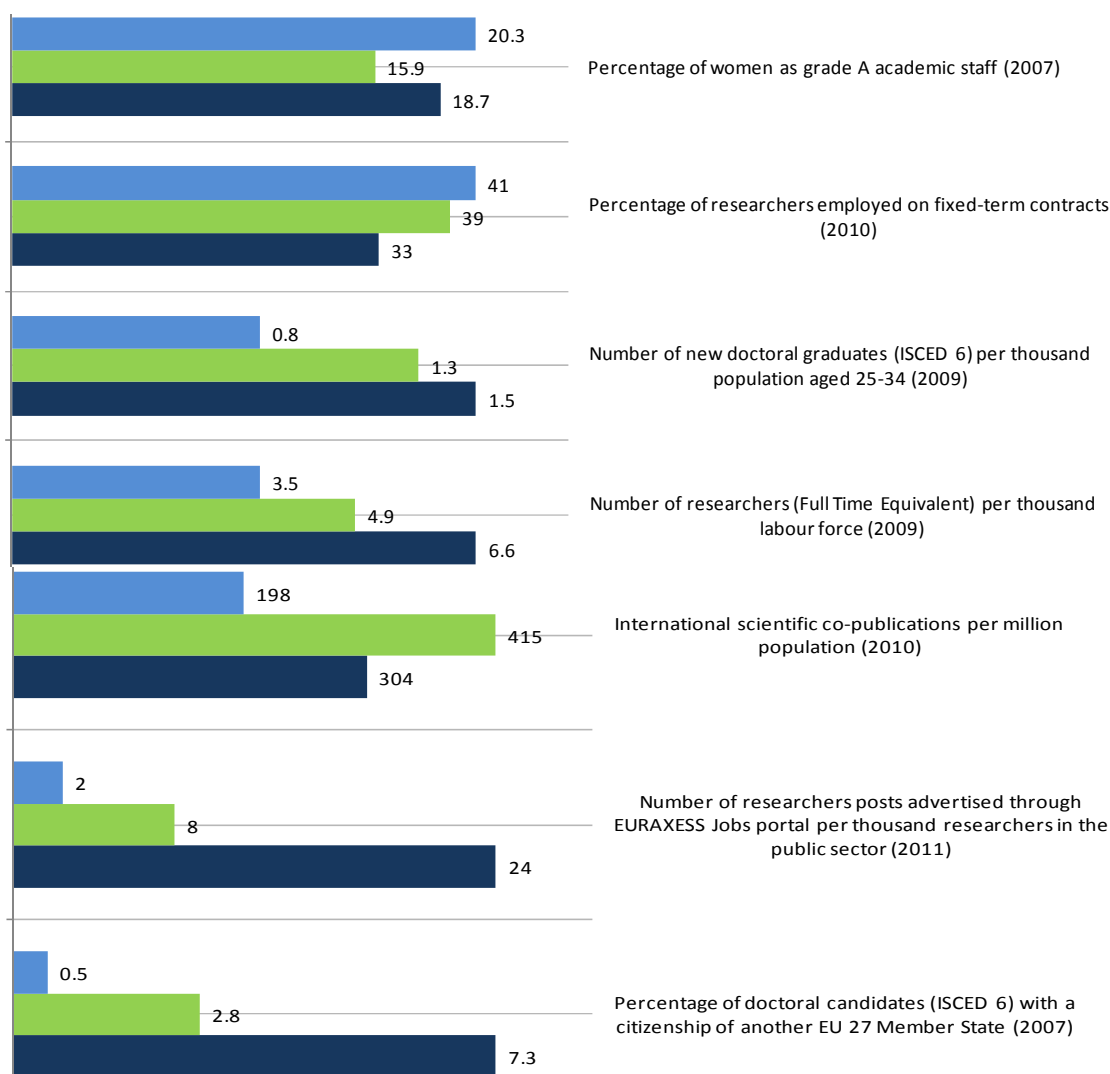
## National R&D intensity target

“In the last decade, R&D intensity in Poland has stayed below 0.7%, passing from 0.64% in 2000 to 0.68% in 2009. As a result, despite a small increase over the last decade, Poland scores one of the lowest R&D intensities in the European Union. In order to maintain and increase its economic competitiveness and secure high-quality jobs, in addition to keep improving factors such as primary and secondary education, production facilities or infrastructures, Poland will have to sharply increase its investments in Research and Innovation. Polish authorities have recognised this challenge and have set an ambitious, albeit realistic national R&D target for 2020: R&D intensity in Poland should account for 1.7% of the national GDP in 2020. This net increase of around 1.1% would be similar to the one needed for the EU to reach the 3% R&D target.”<sup>1</sup>

## Key indicators measuring the country’s research performance

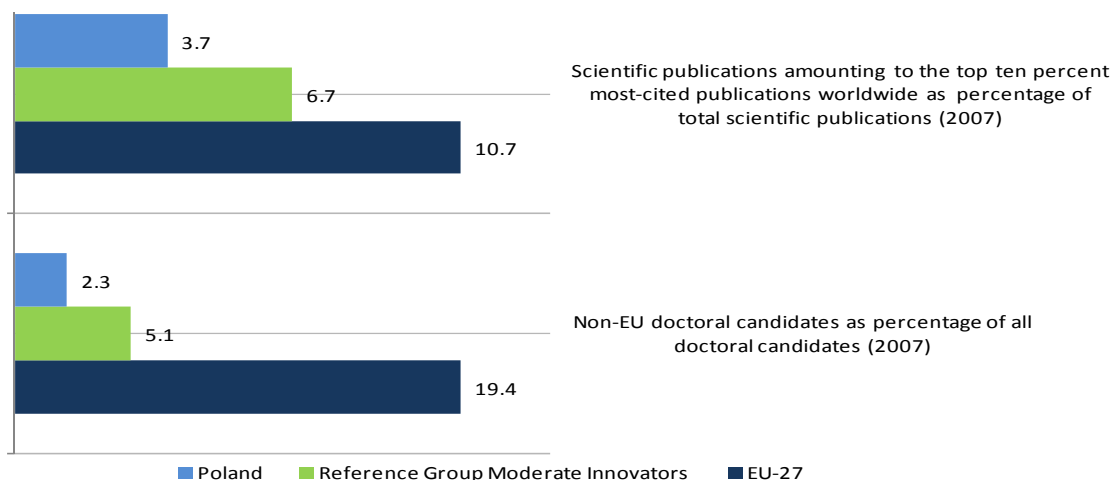
The figure below presents key indicators measuring Poland’s research performance against a reference group and the EU-27 average<sup>2</sup>.

Figure 1: Key indicators – Poland



<sup>1</sup> European Commission (2011), “Innovation Union Competitiveness Report 2011”.

<sup>2</sup> The values refer to 2011 or the latest year available.



Source: Deloitte

Data: Eurostat, SHE Figures, EURAXESS Jobs Portal, Science Metrix/Scopus (Elsevier), Innovation Union Scoreboard 2010

Notes: Based on their average innovation performance across 24 indicators, Czech Republic, Greece, Hungary, Italy, Malta, Poland, Portugal, Slovakia and Spain show a performance below that of the EU-27. These countries are the Moderate innovators<sup>3</sup>.

### Stock of researchers

The table below presents the stock of researchers by Head Count (HC) and Full Time Equivalent (FTE) and in relation to the active labour force.

Table 1: Human resources – Stock of researchers

Indicator	Poland	EU Average
Head Count per 1 000 active labour force (2008)	5.73	9.45
Head Count (2008)	97 474	-
FTE per 1 000 active labour force (2009)	3.54	6.63
Full time equivalent (FTE) (2009)	61 105	-

Source: Deloitte

Data: Eurostat

## 2. National strategies

The Polish Government has put in place a range of measures aimed at training enough researchers to meet its R&D targets and at promoting attractive employment conditions in public research institutions. The table below presents key programmes and initiatives intended to implement the strategic objectives to train enough researchers to reach Poland's R&D targets, to promote attractive working conditions, and to address gender and dual career issues.

Table 2: National strategies

Measure	Description
<b>Building upon knowledge: Science reform for Poland's development (2010)</b>	Since October 2010, a reform of the administration of Polish science has been in force: a package of six legislative acts titled 'Building upon knowledge: Science reform for Poland's development'. The reform presents a clear distribution of powers and tasks in the research sector and modifies rules on financing research institutions and rules on research quality assessment.
<b>National Reform Programme (2011)</b>	The National Reform Programme (NRP) of the Republic of Poland correlates the Polish developmental targets with the priorities identified in the Europe 2020 Strategy, it comprises several actions related to Innovation Union commitments, such as: <ul style="list-style-type: none"> <li>– modernisation of higher education by increasing the role and quality of research;</li> <li>– implementing a National Qualifications Framework in the education system;</li> <li>– promoting cross-sectoral mobility of scientists.</li> </ul> The NRP also sets out a number of tasks – corresponding to the actions - to be delivered in 2011 to attain the desired goals. A reform of higher education entered into force in

<sup>3</sup> European Commission (2011), "Innovation Union Scoreboard 2010".

Measure	Description
	October 2011. It placed renewed emphasis on promoting quality by encouraging more competition for public funding, more transparent mechanisms for professional advancement, a better alignment between the skills and competences of graduates and the needs of the economy.

Source: Deloitte

### 3. Women in the research profession

#### Measures supporting women researchers in top-level positions

In 2007, the percentage of women grade A academic staff was 20.3% in Poland compared with 15.9% among the Innovation Union reference group and an EU average of 18.7%<sup>4</sup>.

In order to tackle the issue of the under-representation of women in science, the Polish government is reforming the structure of its scientific organisations, such as the State Accreditation Committee, the General Council for Science and Higher Education and the Central Commission for Degrees and Titles to guarantee that there are more women in top-level positions.

In addition, the government has initiated a number of programmes to increase the number of women researchers.

Table 3: Measures to increase the number of women in science

Measure	Description
<b>Girls of the Future - in the footsteps of Maria Skłodowska-Curie (ongoing)</b>	This is a competition to support talented young female researchers and promote their scientific achievements. It is open to students in science, natural sciences, technology or medicine, who are involved in research projects or conducting their own research.
<b>L'Oréal Polska Grants for Women in Science Awards (ongoing)</b>	The Polish branch of L'Oréal has been rewarding researchers for 10 years. Each year the programme selects young talents, whose example is to encourage the next generations to undertake research. To date, fifty women researchers have received the awards. The condition for participating in the competition, for both PhD students (age limit 35) and postdoctoral students (age limit), is to be at the final stage of research work. Nominations are evaluated by a jury of eleven leading figures from Polish academia.
<b>Parent-Bridge Research Grant (POMOST Programme) (ongoing)</b>	The objective of the programme is to enable the best researchers who are raising young children to return to advanced research work and to enable pregnant women to carry out research projects, which are financed from external sources. The programme provides for two types of support: <ol style="list-style-type: none"> <li>1. Return grant – for projects carried out by researchers of either sex raising young children;</li> <li>2. Support for women conducting research projects during pregnancy, where the nature of the work could affect their pregnancy, by funding a researcher to whom the work which would affect the pregnancy can be delegated.</li> </ol>

Source: Deloitte

#### Quotas to ensure a representative gender balance

The recently amended Law on higher education (hereinafter “the Law”) stipulates that the entities designating members of the General Council for Science and Higher Education strive to ensure a gender balance in their submissions. The Law obliges the minister for higher education to make sure that at least 30% of the members of the Polish Accreditation Committee are women. The Law obliges the Committee to strive to ensure a gender balance in its work. The legal requirement to strive to ensure a gender balance applies also to the work of the Central Committee for Degrees and Titles.

#### Maternity leave

In Poland, maternity or child care leave does not prevent female scientists from obtaining a research grant, scientific grant or scholarship. The new law<sup>5</sup> makes it possible to suspend the grant or scholarship and resume it after returning to full professional activity.

<sup>4</sup> See Figure 1 “Key indicators – Poland”.

<sup>5</sup> 2010 Law on financing science concerning young researchers receiving scholarships.

For instance, under the Mobility Plus Programme (see chapter 6 “Working conditions”), researchers/scientists are eligible to take a break during the implementation of the Programme for maternity/paternity or child care leave.

## 4. Open, transparent and merit-based recruitment

### Recruitment system

The problems that have hindered the development of Polish science include the direct employment of family members, which consequently block access for other scientists to scientific and academic careers and lead to a conflict of interest. The Reform of Science for the Development of Poland (2010) introduces a statutory prohibition on employing relatives in a direct superior-subordinate relationship. This will make it possible to build careers based on clear merit-related criteria.

A new rule<sup>6</sup> stating that all the scientific posts in higher education institutions must be filled via competitions facilitates scientists’ careers and enables young scientists to have a better access to grants (from the National Science Centre (NCN) and the National Centre for Research and Development) through open competitions.

Finally, an online advertising column with information on vacancies at Polish higher education institutions was created. Institutions are required to publish information on all ongoing and scheduled competitions. Experts from national and foreign science centres are able to participate in the competitions.

Each institution is an autonomous employer with its own personnel and recruitment policies. There is no national legal instrument which would allow interference with the autonomy of Polish institutions.

### Open recruitment in institutions

The table below presents information on open recruitment in higher education and public research institutions.

Table 4: Open recruitment in higher education and public research institutions

Do institutions in the country currently have policies to ...?	Yes/No	Description
– publish job vacancies on relevant national online platforms	No	Institutions do not have policies to publish job vacancies on relevant national online platforms.
– publish job vacancies on relevant Europe-wide online platforms (e.g. EURAXESS)	Yes	The Ministry of Science and Higher Education requires Polish institutions to publish job vacancies on relevant Europe-wide online platforms.
– publish job vacancies in English	No	Institutions do not have policies to publish job vacancies in English.
– systematically establish selection panels	No	Institutions do not have policies to establish selection panels.
– establish clear rules for the composition of selection panels (e.g. number and role of members, inclusion of foreign experts, gender balance, etc.)	No	Institutions do not have policies to establish clear rules for the composition of selection panels.
– publish the composition of a selection panel (obliging the recruiting institution)	No	Institutions do not have policies to publish the composition of a selection panel.
– publish the selection criteria together with job advert	No	Institutions do not have policies to publish the selection criteria together with the job advert.
– regulate a minimum time period between vacancy publication and the deadline for applying	No	Institutions do not have policies to regulate a minimum time period between vacancy publication and the deadline for applying.
– place the burden of proof on the employer to prove that the recruitment procedure was open and transparent	No	Institutions do not have policies to place the burden of proof on the employer to prove that the recruitment procedure was open and transparent.
– offer applicants the right to receive adequate feedback	No	Institutions do not have policies offering applicants the right to receive adequate feedback.
– offer applicants the right to appeal	No	Institutions do not have policies offering applicants the

<sup>6</sup> The 2005 Law on higher education, as amended in 2011.

Do institutions in the country currently have policies to ...?	Yes/No	Description
		right to appeal.

Source: Deloitte

### EURAXESS Services Network

In 2011, the number of researchers posts advertised through the EURAXESS Jobs portal per thousand researchers in the public sector was two in Poland compared with eight among the Innovation Union reference group and an EU average of 24<sup>7</sup>.

Information on entry conditions, transfer of social security and pension contributions, accommodation and administrative assistance is available on the EURAXESS Poland website and in a brochure entitled 'Foreign Researchers' Guide to Poland'.

The EURAXESS Poland portal is accessible via the Ministry of Science and Higher Education website and the National Contact Point for Research Programmes of the EU, as well as through other websites of organisations dealing with research (such as universities).

Publicly funded research jobs are posted on relevant ministries' websites. In addition, as a result of the Higher Education Act (2011), public higher education institutions publish their research vacancies on the European EURAXESS portal and these are simultaneously uploaded to the EURAXESS Poland portal through the RSS feed under the section 'Jobs in Poland'.

## 5. Education and training

### Measures to attract and train people to become researchers

The Polish government is funding several doctoral studentships and scholars to increase the number of students taking science to an advanced (doctoral) level. The table below summarises the key measures introduced by the Polish government to attract and train people to develop a research career.

Table 5: Measures to attract and train people to become researchers

Measure	Description
<b>Act on the National Science Centre (2010)</b>	The National Science Centre (NCN) established the Act on the National Science Centre to guarantee that at least 20% of all Centre funds are earmarked for research conducted by junior scientists.
<b>Diamond Grant (ongoing)</b>	The Diamond Grant is a special career path for one hundred of the most talented students in Poland. The beneficiaries can start scientific research leading to a doctoral degree immediately after getting a bachelor's or engineering degree, without needing to take a master's. These young scientists receive special funds for research, nearly PLN 200 000 (some EUR 47 000). As a result, young students are able to become PhD candidates as early as at the age of 25.
<b>Iuventus Plus Programme (ongoing)</b>	The Programme allows young Polish scientists to have the results of novel research work published in leading international science journals. The Programme is designed to increase the interest of young scientists in conducting research at the highest level and encouraging them to publish their results as well as to contribute significantly to the position of Polish publications in the world rankings.
<b>LIDER Programme (ongoing)</b>	The National Centre for Research and Development (NCBiR) supports the development of researchers, particularly through funding programmes addressed to talented researchers who are starting their scientific careers, of which LIDER is one. The purpose of the LIDER Programme is to help young scientists learn how to plan research on their own, and manage and lead their own research team while carrying out projects with potential for market implementation. The Programme also aims to encourage scientists to cooperate with businesses while performing economically valuable and implementable studies, and research and enhancing mobility and exchange between research sectors, universities and research units.
<b>MISTRZ Programme (ongoing)</b>	The objective of the MISTRZ Programme is to support distinguished scholars by awarding them grants designed either to intensify the research they are already conducting or to explore new fields of research. The Programme is addressed to advanced researchers

<sup>7</sup> See Figure 1 "Key indicators – Poland".

Measure	Description
	whose attainments so far provide assurance of proper use of the funding, and who are able to effectively combine research with training younger staff.
<b>Special Doctoral Grants (2011)</b>	Higher education reform in 2011 provided for identifying the most talented young scientists and supporting them in their careers so that they can be a driving force of Polish science. The special doctoral grants of PLN 2 000 (some EUR 500) target 30% of the best doctoral students. Thanks to the financial support the best Polish scientists will be able to focus even more on scientific work, also taking advantage of other, additional forms of the grant system for doctoral students.

Source: Deloitte

In 2008, the government introduced an academic programme<sup>8</sup> to increase young students' interest in science, technology, engineering and mathematics (STEM) studies. The programme covers IT studies, biotechnology, environmental protection and mathematics. The best students of these disciplines receive an additional grant of PLN 1 000 (some EUR 340) per month. In addition, the higher education institutions offering this programme are entitled to receive additional money for modernising their curriculum, create jobs and collaborate with representatives of the relevant sector of the economy. By 2013, the government will have devoted more than EUR 240 million (PLN 1 billion) to this programme. More than 50 000 students have benefitted from the scheme so far.

### Doctoral graduates by gender

The table below shows doctoral graduates in Poland by gender as a ratio of the total population cohort.

Table 6: Doctoral graduates by gender

Indicator	Poland	EU average
<b>New doctoral graduates (ISCED 6) per 1 000 population aged 25-34 (total) (2009)</b>	0.8	1.5
<b>Female Graduates (ISCED 6) per 1 000 of the female population aged 25-34 (2009)</b>	0.8	1.4
<b>Male Graduates (ISCED 6) per 1 000 of the male population aged 25-34 (2009)</b>	0.8	1.6

Source: Deloitte

Data: Eurostat

### Funding of doctoral candidates

The table below presents the funding scheme accessible to doctoral candidates.

Table 7: Funding opportunities for doctoral candidates

Measure	Description
<b>Stipend/Grant</b>	The Polish government, via the Polish universities, funds approximately 90% of doctoral candidates.

Source: Deloitte

### Measures to increase the quality of doctoral training

A financial incentive has been introduced: greater funding for the best 30% of doctoral students. Doctoral programmes are evaluated by the Polish Accreditation Committee as part of an institutional assessment. The procedures of obtaining the doctoral degree have been made more transparent and quality-oriented.

## 6. Working conditions

### Measures to improve researchers' funding opportunities

The total funds available for science for the year 2012 will exceed PLN 7.5 billion (some EUR 1.8 billion). An increase of 8% in the national budget for science has been secured for every year until 2015.

In addition, a subsidy of PLN 230 million (some EUR 55 million) is available for 2012 to benefit the Leading National Research Centres (KNOWs) selected via competition. In addition, the National Research and Development Centre and the National Science Centre will receive increased funding (more than PLN 1 billion, some EUR 250 million in total) to finance projects and hire a number of young researchers.

The table below summarises key measures to increase funding for Polish researchers.

<sup>8</sup> "Increasing the number of graduates of degree programmes of key importance for a knowledge-based economy".



**Table 8: Measures to increase researchers' funding opportunities**

Measure	Description
<b>Mobility Plus Programme (ongoing)</b>	The Programme allows Polish scientists to participate in prestigious international research projects, cooperate with international laboratories and institutes, and exchange knowledge. The Programme is a continuation of the concept of the Support for International Mobility of Scientists Programme <sup>9</sup> . Eligible beneficiaries are scientists conducting innovative research in all fields of science. Participants have the possibility of being accompanied abroad by their families.
<b>START Programme (ongoing)</b>	The programme targets young researchers at the outset of their career, who have already achieved some success in their field. The stipends serve as recognition of the scientific attainments so far by these young scholars and as an incentive for further growth by enabling them to devote themselves fully to their research. The amount of the one-year stipend is PLN 28 000 (some EUR 7 000).
<b>National Science Centre</b>	
<b>MAESTRO: advanced researchers grants (ongoing)</b>	MAESTRO grants fund the research projects of advanced academics their research projects (for at least 36 months and maximum 60 months), including interdisciplinary research which may result in scientific discoveries.
<b>Post-doctoral internships scheme (ongoing)</b>	The post-doctoral internships scheme allows beneficiaries to be employed in an academic unit on a fulltime basis for a period of between 12 and 36 months. The candidate needs to indicate an academic tutor in the unit within in which the internship will be carried out.
<b>PRELUDIUM: pre-doctoral grants (ongoing)</b>	PRELUDIUM grants fund research projects of up to 36 months carried out by pre-doctoral researchers starting a scientific career.

Source: Deloitte

### Remuneration

In 2011, the Polish government adopted the Long-Term Financial Plan for 2011-2014, which provides for a 30% salary increase for higher education employees, including researchers, over a three year period, starting from 2013.

### Researchers' Statute

Poland provides a 'statute' or equivalent for researchers. Researchers' salary depends on their research grants and activity.

### 'European Charter for Researchers' & 'Code of Conduct for the Recruitment of Researchers'

The Polish government actively promotes the implementation of the 'Charter & Code' by research institutions and funders.

### Autonomy of institutions

In the Law on Higher Education (2005) (amended in 2011), the Rectors are given greater responsibility for managing academic personnel. The Rectors also received more autonomy to develop the curriculum and the administrative structure as well as to lead the management of their institutions.

Amendments to the Teachers' Charter in 2007 relating to financial conditions for researchers working as academic teachers allows institutions to differentiate between researchers' salaries. Moreover, in 2012, selected Leading National Research Centres are expected to receive five-year subsidies and thus will be able to decide how to spend the money, e.g. raise salaries or establish special doctoral grants.

### Career development

Presently in Poland, older scientists outweigh young highly qualified researchers, preventing the latter from climbing the academic career ladder. This results in an outflow of young scientists from higher education institutions and makes it hard for Polish science to compete with the best global centres. One of the changes

<sup>9</sup> The programme (currently in its 2nd edition) provides funding for 6-36 months; it targets young researchers and doctoral students. It aims to advance the careers of grant recipients by bringing them into contact with renowned research centres and outstanding researchers abroad, and to enable them to participate in research utilising equipment and methods unavailable domestically.

introduced in The Law on higher education is a regulation stating that the contract of a nominated academic teacher must expire when they turn 65. The age limit for professors is 70.

### Social security benefits (sickness, unemployment, old-age)

Social security benefits depend on the type of the grant agreement, but in general, if the contract between a researcher and the host institution is defined as an employment contract, social security and health insurance contributions are automatically deducted from the wage of the researcher, regardless of nationality. In Poland there is no legislation dealing exclusively with the social security and supplementary pensions of researchers.

## 7. Collaboration between academia and industry

The following table summarises programmes designed to boost collaboration between academia and industry, and to foster doctoral training in cooperation with industry.

Table 9: Collaboration between academia and industry

Measure	Description
<b>A Guide. R&amp;D Commercialisation for Practitioners (2010)</b>	The Ministry of Science and Higher Education has developed 'A Guide. R&D Commercialisation for Practitioners' which provides information to practitioners on the commercialisation of research results.
<b>AGH University of Science and Technology</b>	The AGH University of Science and Technology in Krakow is the Polish leader of the European Knowledge and Innovation Community for Sustainable Energy, which aims to create closer links between the worlds of science and business and support the integration of the knowledge triangle, i.e. higher education, research and innovation. Within the framework of the established Knowledge and Innovation Community, research is being conducted into clean coal technologies, thus increasing the importance of Poland in the international scientific arena in this discipline.
<b>Higher Education Act (2011)</b>	The Higher Education Act facilitates cooperation between academia and industry, and requires institutions to adapt the curriculum to actual market needs. Thus, higher education students will be supported in finding the right job after graduation. In addition, the law encourages practitioners working in industry to give classes. In this way, not only will students gain extensive theoretical knowledge, but they will also learn about the realities of work in industry. Finally, the law allows academic institutions to set up dedicated firms to commercialise their scientific achievements. The firms must be open to industrial partners interested in collaborating with academia.
<b>INNOTECH Programme (ongoing)</b>	INNOTECH aims to help research entities and businesses carry out innovative projects in various scientific areas and industrial sectors (In-Tech programme path), with a special focus on advanced technologies (Hi-Tech programme path). The paths target two different categories of beneficiaries whose projects are co-funded with different public funding instruments: <ul style="list-style-type: none"> <li>– Hi-Tech grants for Entrepreneurs/SMEs in high and medium-tech industries (advanced technologies);</li> <li>– In-Tech grants for SMEs and large companies: applicants need to build a consortium – consortia of scientists with business participation (entrepreneurs and scientist-industrial centres).</li> </ul>
<b>Innovation Creator Programme (2008)</b>	The Innovation Creator Programme motivates financially researchers to raise their qualifications in the areas of enterprise, intellectual property management and commercialisation of research results. It also encourages the establishment of a dialogue and improved standards of communication between science and the commercial economy.
<b>National Centre for Research and Development</b>	The National Centre for Research and Development is an intermediary between the worlds of business and science. The Centre ensures that representatives of both communities are consulted about research and development programmes, and that these are constructed in a way that will benefit both parties. The Centre also awards research grants to companies, including those that have not previously invested in research and development.
<b>Top 500 Innovators Science – Management – Commercialisation Programme (2011)</b>	The 'Top 500 Innovators Science – Management – Commercialisation Programme' was launched by the Ministry of Science and Higher Education giving 500 scientists and innovators from Poland the opportunity to take part in training sessions and internships relating to commercialisation of research results at the best universities in the USA. The Programme targets researchers and technology transfer employees working at Polish HEIs, research institutions, Polish Academy of Science institutes and the Academic Centre for Technology Transfer.

Measure	Description
<b>VENTURES Programme (ongoing)</b>	The Ventures Programme supports projects of students, graduates and PhD students which have potential for a practical economic application. The 7 <sup>th</sup> edition was carried out in 2011. Successful projects receive funding for 1-3 years.

Source: Deloitte

## 8. Mobility and international attractiveness

### Measures aimed at attracting and retaining 'leading' national, EU and third country researchers

In 2007, the percentage of doctoral candidates (ISCED 6) who were citizens another EU-27 Member State was 0.5% in Poland compared with 2.8% among the Innovation Union reference group and an EU average of 7.3%<sup>10</sup>. In the same year, the percentage of non-EU doctoral candidates as a percentage of all doctoral candidates was 2.3% in Poland compared with 5.1% among the Innovation Union reference group and an EU average of 19.4%<sup>11</sup>.

The table below summarises key measures aimed at attracting and retaining leading national, EU and third-country researchers.

Table 10: Measures to attract and retain leading national, EU and third-country researchers

Measure	Description
<i>Foundation for Polish Science's funds</i>	
<b>Alexander von Humboldt Polish Honorary Research Fellowships (ongoing)</b>	Since 1996, these fellowships have been awarded by the Foundation for Polish Science to eminent German scholars. The grantees are invited to carry out research projects of their choice in the Poland in co-operation with their colleagues in their home country. The research stay is four to six months and may be split into several periods over three years. At present, the amount awarded as a fellowship is EUR 4 000 per month.
<b>IDEAS FOR POLAND Programme (ongoing)</b>	The objective of the IDEAS FOR POLAND Programme is to encourage young, brilliant researchers from all over the world to choose Poland as the place to carry out the research projects that have submitted to the ERC competition. The programme is designed for people whose previous scientific record demonstrates that they are highly independent as researchers and is a guarantee that they will conduct world-class quality research. The subsidies consist of a scientific scholarship for the winner of up to PLN 10 000 (some EUR 2 500) per month.
<b>WELCOME Programme (ongoing)</b>	The overall objective of the WELCOME Programme is to engage outstanding researchers from abroad in creating research teams in Poland and intensify the degree of international cooperation of Polish institutes and universities. The Programme targets foreign researchers with at least a PhD degree who either plan to work in Poland or established their research teams in Poland no earlier than five years prior to the cut-off date. Polish researchers with at least a PhD degree, who have either have stayed abroad for at least two years and intend to come back to Poland or have already returned to Poland (within the two years prior to the cut-off date), are also eligible to apply. The projects must be of at least three years' envisaged duration.

Source: Deloitte

### Inward mobility (funding)

The table below summarises key measures in support of researchers' inward mobility.

Table 11: Measures supporting researchers' inward mobility

Measure	Description
<i>Foundation for Polish Science's funds</i>	
<b>HOMING PLUS Programme (ongoing)</b>	The objective of the HOMING PLUS Programme is to encourage young Polish scholars abroad to return to Poland. The programme is also open to young PhDs who are citizens of other countries but interested in taking up a postdoctoral fellowship in Poland. The project carried out under the programme may last from one to two years.
<b>Research Fellowships for Scholars from CEE Countries (ongoing)</b>	These fellowships target foreign scholars, mainly from Central and East European countries, who are willing to conduct research at Polish scientific institutions. The scholarship grants can cover periods ranging from one to twelve months. The total grant is approximately equivalent to an average monthly salary offered to a person holding a corresponding post

<sup>10</sup> See Figure 1 "Key indicators – Poland".

<sup>11</sup> Ibid.

Measure	Description
	in Poland, plus the costs of accommodation at a level not exceeding that of an academic hostel. In exceptional cases, part of the travel costs may also be covered by the Fund.
<b>TEAM Programme (ongoing)</b>	The overall objective of the TEAM Programme is to increase the commitment of young scientists to research performed by the best teams and in the best laboratories in Poland. The projects may be carried out in one of three main thematic areas: Bio, Info or Techno. The Programme targets research team leaders intending to engage students in the project, PhD students or young PhDs (up to four years after the PhD). The students, PhD students and young PhDs must be selected in an open competition procedure that is carried out at international level. The duration of the projects may range from two to four years.

Source: Deloitte

### Outbound mobility

The table below presents the key measures to encourage Polish researchers carry out research abroad.

**Table 12: Measures to encourage researchers to spend some time as a researcher in another country**

Measure	Description
<b>Mobility Plus Programme (2010)</b>	The Programme allows Polish scientists to participate in prestigious international research projects. See also chapter 6 “Working conditions”.
<i>Foundation for Polish Science’s funds</i>	
<b>International PhD Projects Programme (MPD) (Calls for proposals finished in 2010, projects last 4-5 years)</b>	The overall objective of the programme is to increase the level of research carried out in Poland by young scientists during the preparation of their PhD theses. At the same time, the programme aims at intensifying the level of international cooperation of the Polish research units. The Foundation covers the stipends for PhD students and research grants, including the costs resulting from international cooperation. The programme targets scientific consortia consisting of at least one Polish and one foreign research unit carrying out common PhD projects.
<b>KOLUMB Programme (ongoing)</b>	Fellowships are awarded to the best young scholars to enable them to stay (from 6 to 12 months) at the world’s leading research centres. The stipends are awarded for a stay at one research centre, or in justified instances more than one. Stipendees who would like to extend their stay abroad may seek additional funding on a one-time basis (for three months at most).
<b>KWERENDA Programme (ongoing)</b>	These are grants awarded to Polish scholars for archive searches abroad as part of original and groundbreaking projects in the field of humanities or social sciences. Eligible candidates are PhD holders. The stipend may be awarded once every two years, for a period of up to two months, for a visit to one, or in justified instances more than one, library or archive abroad. The amount of the stipend is determined on a case-by-case basis by the executive board of the Foundation, depending on the place where the stipend is to be used. The average stipend is EUR 2 200 per month.

Source: Deloitte

### Portability of national grants

Publicly funded grants or fellowships are not portable to other EU countries.

### Access to cross-border grants

The majority of the grants are open to Polish and foreign candidates regardless of their nationality. National legislation requires the recipient of the financial support to be a research institution headquartered in the territory of Poland.

### Measures encouraging inter-sectoral mobility

The Polish government is planning to develop measures encouraging researchers to move from the public to the business sector and vice-versa.