R&D expenditure in the HE sector (HERD), 2014/15

HERD – €730.1m up 10% since 2012

Trend in HERD 2004-2014

<table>
<thead>
<tr>
<th>Year</th>
<th>Universities</th>
<th>Institutes of Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>€492m</td>
<td>6%</td>
</tr>
<tr>
<td>2006</td>
<td>€501m</td>
<td>6%</td>
</tr>
<tr>
<td>2008</td>
<td>€705m</td>
<td>10%</td>
</tr>
<tr>
<td>2010</td>
<td>€708m</td>
<td>12%</td>
</tr>
<tr>
<td>2012</td>
<td>€664m</td>
<td>13%</td>
</tr>
<tr>
<td>2014</td>
<td>€730m</td>
<td>12%</td>
</tr>
</tbody>
</table>

HERD Intensities 2014

- Ireland % GNP: 0.37, 0.37, 0.47, 0.51, 0.47, 0.45
- EU28 % GDP: 0.37, 0.37, 0.47, 0.51, 0.47, 0.45
- OECD % GDP*: 0.37, 0.37, 0.47, 0.51, 0.47, 0.45

HERD by Field of Science

- Other
- Humanities
- Social sciences
- Agricultural science
- Medical and health sciences
- Engineering and technology
- Natural sciences

HERD by type of research

- Basic Research: 45.3%
- Applied Research: 47.2%
- Experimental Research: 7.5%
Funding of R&D in the HE sector, 2014/15

Direct Government funding of R&D declined by 20% since 2010

Sources of Research funding

- Indirect Government
- Other + Own Higher Education Funds
- Private/Individual Funded
- Foreign Business
- Irish Business
- EU public
- Direct Government

Percentage of HERD financed by industry

- China: 27.3%
- Russian Federation: 14.9%
- Turkey: 14.1%
- Germany: 12.6%
- Slovenia: 12.1%
- Belgium: 11.2%
- Korea: 10.0%
- Switzerland: 9.3%
- Israel: 9.1%
- Hungary: 8.1%
- Portuguese: 7.7%
- South Africa: 7.3%
- Singapore: 7.1%
- Canada: 7.1%
- Latvia: 6.9%
- Total OECD: 6.4%
- EU28: 6.4%
- Argentina: 6.0%
- Greece: 6.0%
- Spain: 5.9%
- United States: 5.2%
- Ireland: 9.1%
- China: 5.1%
- Estonia: 5.1%
- Italy: 4.4%
- Germany: 4.4%
- Austria: 4.1%
- Greece: 4.1%
- United Kingdom: 4.0%
- Norway: 4.0%
- New Zealand: 4.0%
- Finland: 4.0%
- Sweden: 3.8%
- Canada: 3.9%
- Iceland: 3.4%
- Chile: 3.3%
- Poland: 2.8%
- France: 2.7%
- Japan: 2.6%
- Slovak Republic: 2.4%
- Czech Republic: 2.4%
- Denmark: 1.9%
- Portugal: 1.6%
- Italy: 1.3%
- Luxembourg: 1.0%
- Mexico: 0.8%
- Argentina: 0.2%

Sources of Research funding

- Science Foundation Ireland
- Enterprise Ireland
- Health Research Board
- Irish Research Council
- Other State Funding
- PRTLI Capital funding
- PRTLI Current funding
- Dept of Agriculture
- Environmental Protection Agency
- Teagasc
- Other HEA funding
- Dept of Education

An Roinn Post, Fóntait agus Nualálaíochta
Department of Jobs, Enterprise and Innovation
12,836 FTE researchers in 2012, up 6% since 2012

Highest level of full-time equivalent (FTE) researchers over the decade

Female researchers as a % of total researchers

45.2% of all researchers in Ireland are female