

## *The Snowball Metrics Landscape*

	<i>Research Inputs</i>	<i>Research Processes</i>	<i>Research Outputs and Outcomes</i>
<b>Research Grants</b>	<b>Research applications</b> <b>Research awards</b> <ul style="list-style-type: none"> <li>• Price / overhead recovery</li> <li>• Philanthropy</li> </ul>	<b>Research income</b> <ul style="list-style-type: none"> <li>• Space utilisation</li> <li>• Staff recruitment</li> <li>• Start / end date slippage</li> </ul>	<b>Publications &amp; citations</b> <b>Collaboration (co-authorship)</b> <b>Esteem measures</b> <ul style="list-style-type: none"> <li>• Socio-economic impact</li> </ul>
<b>Enterprise Activities / Economic Development</b>	<b>Industrial income</b> <ul style="list-style-type: none"> <li>• Industry engagement</li> </ul>	<ul style="list-style-type: none"> <li>• Industry research income</li> </ul>	<b>Patenting</b> <b>Licensing income</b> <b>Spin-out generation / income</b> <ul style="list-style-type: none"> <li>• KTPs numbers</li> <li>• Consultancy income</li> </ul>
<b>Post-Graduate Education</b>	<b>PGR volumes</b> <ul style="list-style-type: none"> <li>• PGT volumes</li> <li>• International PGT volumes</li> <li>• UG to PG conversion rates</li> </ul>	<b>Post-graduate experience</b> <ul style="list-style-type: none"> <li>• Facilities</li> </ul>	<b>Completion rates</b> <ul style="list-style-type: none"> <li>• Alumni / destination of leavers</li> <li>• Skills development (impact)</li> </ul>
<b>Denominators</b> <ul style="list-style-type: none"> <li>• “Slice and dice”</li> <li>• Normalize for size</li> </ul>	<b>(Number of) People</b> <ul style="list-style-type: none"> <li>• Researcher, authors</li> <li>• Principal / co-investigators</li> <li>• Academic staff by category</li> <li>• Research assistants</li> <li>• PGR Students</li> <li>• UG / PGT Students</li> <li>• Post-doctoral staff</li> <li>• Support staff</li> </ul>	<b>Organizations</b> <ul style="list-style-type: none"> <li>• Institution</li> <li>• Faculty / department</li> <li>• Cost Centre</li> <li>• Groups / clusters</li> <li>• Funders by type</li> <li>• Centres / institutes</li> </ul>	<b>Themes / Schemes</b> <ul style="list-style-type: none"> <li>• Standard grants</li> <li>• Strategic initiatives (Calls)</li> <li>• Grand Challenges</li> <li>• Subject areas</li> <li>• Keywords</li> </ul>