COMPARISON OF EXPLOITATION PERFORMANCE OF SCOTTISH UNIVERSITIES WITH US INSTITUTIONS 2012/13

Craig Smith
Senior Systems Analyst
University of Edinburgh
What
This report looks at exploitation efficiency by comparing the number of technology disclosures recorded, patents filed, technologies licensed, royalties received and companies formed, by Scottish Universities, and compares this against the reported output of US Universities in 2012-13.

Who
We compare eight Scottish Universities; Aberdeen, Dundee, Edinburgh, Glasgow, Heriot-Watt, St Andrews, Stirling and Strathclyde, against US counterpart organisations (US data extracted from the ‘Association of University Technology Managers (AUTM) Survey 2013’).

How
Data is normalised to make comparisons more meaningful, as the research income for many US universities is significantly larger than Scottish institutions.

Table 1 Summary
The Research Foundation for the State University of New York System (SUNY) is used as the baseline comparator as its research income of $983m is the closest US equivalent to the total combined research income of the 8 Scottish universities ($979m). Thus with $983m of income, these total respective outputs would be produced. Note that overall research income is shown on graph legend.

Findings
As in previous reports, the commercialisation outputs from the Scottish University system continues to compare very favourably with our counterparts from the US. More new licences and spinouts were produced by Scottish Universities on average, when research income is normalised, compared to the US. More disclosures were produced compared to the top 11 US Institutes. As in previous years, the US system produces more royalty income from their licence deals and also filed more patents.

Exploitation Efficiency
for each $983m of research income, the following was produced in 2012/13:
**Individual Metrics in Detail**

**What**
The breakdown of individual metrics, to show both normalised and absolute values for each constituent grouping. The University of Edinburgh is included as an additional individual entity.

**How**
The University of Edinburgh’s research of $304$m is used as the baseline for comparison in the following tables.

### Disclosures
The number of technology disclosures that were recorded for each $304$m of research income received.

### Patents
The number of patents that were filed for each $304$m of research income received.

### Licences
The number of technologies that were licensed for each $304$m of research income received.
**Spinouts**
The number of new companies that were formed for each $304m of research income received.

**Royalties**
The amount of royalty income that was generated ($m) for each $304m of research income received.