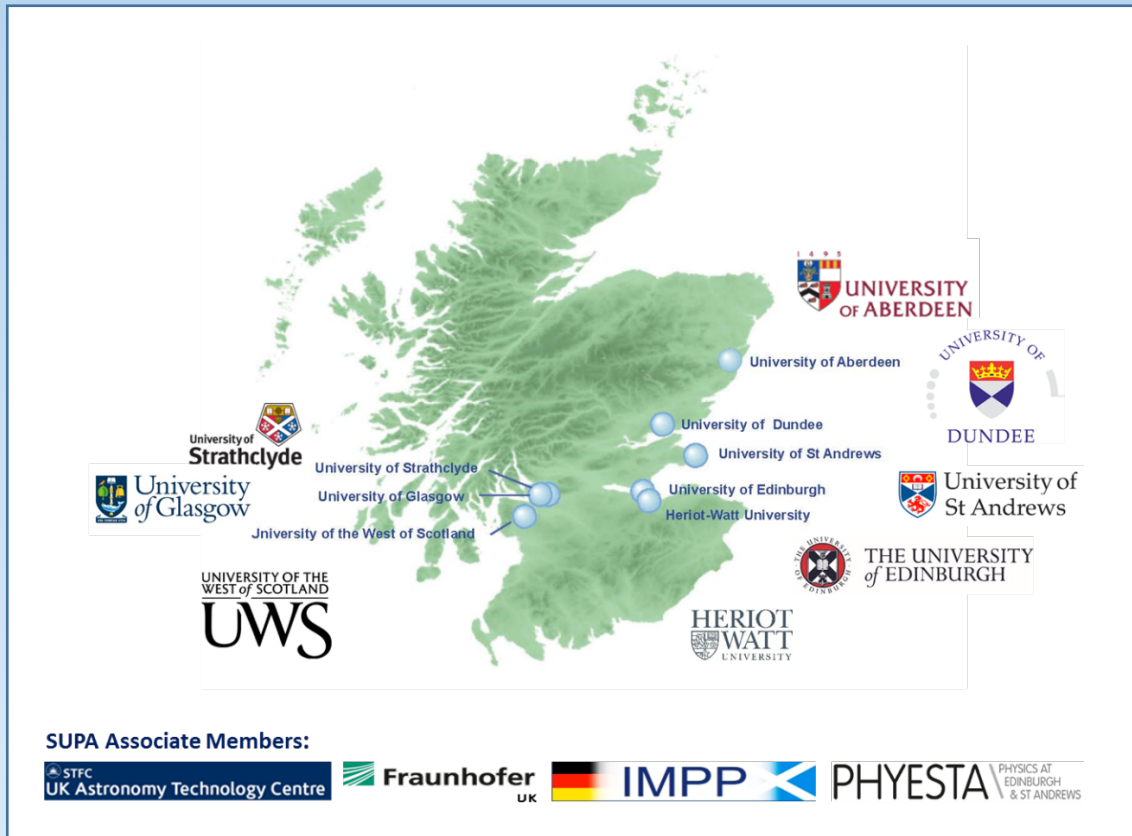


## ISCF Workshop



### 2004: Vision for SUPA

- pool and enhance Scotland's strongest physics research to develop international leadership,
- provide a magnet for researchers and sponsors worldwide

### 2017: Continued Development of SUPA

- a Scottish physics research base that is internationally competitive and improving its reputation in the world,
- access to an excellent learning experience and support for students and early career researchers,
- value created for the Scottish economy and society.

# Economic Impact of Physics

## Physics in the Scottish economy

From 2017 Report produced for the Institute of Physics (UK) by the *Centre for Economics and Business Research*

**12.1%** ← **£15 bn**  
 Which is a 12.1% share of GVA generated by the entire Scottish business economy  
 Aggregate gross value added (GVA) of the physics-based industries was £15 bn in 2013

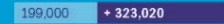
↓  
**£31.6 bn**  
 Add in indirect effects and overall GVA rises to £31.6 bn



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**199,000** → **7.9%**  
 Employment in physics-based industries topped 199,000 in 2015  
 That's 7.9% of the total workforce

↓  
**522,020**  
 Add in indirect effects and overall jobs rises to 522,020



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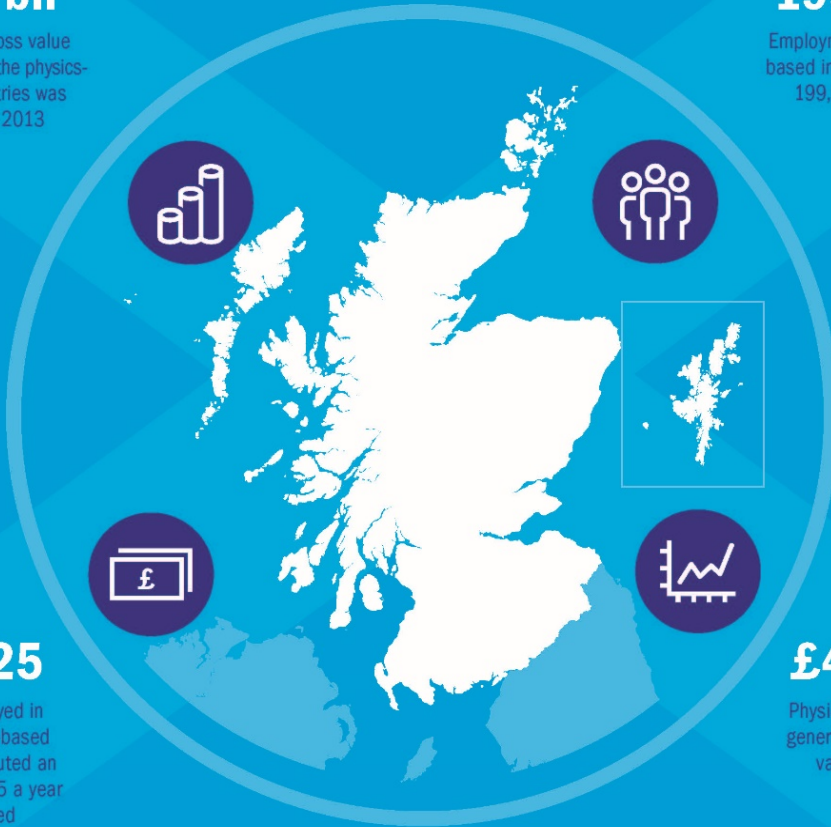
**£77,725**  
 A person employed in Scottish physics-based industries contributed an average of £77,725 a year in value added

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**£43.5 bn** → **£94.6 bn**  
 Physics-based industries generated turnover to the value of £43.5 bn  
 Add in indirect effects and overall turnover rises to £94.6 bn



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# Attendees & Schedule

Attendees from:

SUPA Partner Universities  
(physics, engineering,  
biology, neuroscience)

Fraunhofer UK

STFC / ATC

SULSA

SINAPSE

Innovate UK / KTN

Scottish Enterprise

Scottish Funding Council

NHS

Censis IC

IbioIC

Chromacity

Crucible Medtech

Optos

UnikLasers

1000-1020	Arrival and coffee
1020-1025	Welcome from Alan Miller, SUPA
1025-1035	Rory Duncan, Heriot Watt University
1035-1100	Mat Wasley, Knowledge Transfer Manager Photonics, Knowledge Transfer Network
1100-1115	Mike Barrett, Director of the Scottish Universities Life Sciences Alliance (SULSA), University of Glasgow
1115-1125	David Gray, Head of the School of Biological Sciences, University of Edinburgh
1125-1135	Frank Tooley, Technology Program Manager, Scottish Enterprise
1135-1145	David Porter, University of Glasgow
1145-1155	Gail McConnell, University of Strathclyde
1155-1205	Peter Estibeiro, Crucible Medtech
1205-1215	Discussion question setting <i>How can academia support SMEs in the application process?</i> <i>How do we bring together SMEs and Universities to create a critical mass for strong applications?</i> <i>What are the areas of strength in Scotland and can we identify credible projects to drive forward this year?</i> <i>What can be put in place to enable us to be responsive to future calls?</i> <i>What is missing in the current ISCF themes and how can we influence future calls?</i>
1215-1300	Lunch
1300-1430	Discussion session
1430-1500	Feedback and round-up

- Provide an overview of the ISCF
- Networking of researchers
- Identification of areas of strength
- Initiation of collaborations
- Project ideas to take forward
- Plans for responding to and influencing calls
- Identify other funding opportunities, e.g. EU

- How can academia support SMEs in the application process?
- How do we bring together SMEs and Universities to create a critical mass for strong applications?
- What are the areas of strength in Scotland and can we identify credible projects to drive forward this year?
- What can be put in place to enable us to be responsive to future calls?
- What is missing in the current ISCF themes and how can we influence future calls?

Table leads:

Simon Andrews (Fraunhofer)  
Jano van Hemert (Optos)  
Mark Goossens (Chromacity)  
Mat Wasley (KTN)

Chris Ponting (University of Edinburgh)  
Mike Barrett (University of Glasgow)  
David Porter (University Glasgow)