

The Newcastle Science City Partnership

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The partnership

- **The partnership brings together the core partners of the City Council, the University and the Regional Development Agency (ONE North east); and**
- **A number of strategic partners including the University of Durham and the Newcastle Hospitals NHS foundation Trust**

University mission

"To be a world-class research-intensive university, to deliver teaching of the highest quality and to play a leading role in the economic, social and cultural development of the North East of England".

Science City is a natural extension of the journey on which the University had already embarked and this is a journey that can only be done together with others in the City-region.

Challenges

- **The University is keen to re-define the relationship between the University and its region in the context of economic development and impact.**
- **The easiest thing for any University to do is to stay in a 'comfort' zone and consider that the development of a university as a business is enough to engender regional economic benefit**
- **The North East has one of the lowest levels of private sector R&D in England**
- **Only those in the region will look after the region**
- **The region needs to grow and re-define its industrial and economic shape.**
- **Long term strategies in a short term world**

Critical importance of collaboration, location and partnership

- **Universities are globally active but locally embedded - unlikely to move**
- **Universities strongest marketing strength is the academic community itself**
- **Researchers are natural collaborators. For example, Newcastle is involved across both public and private sector partners – for example, the University of Newcastle has over 100 EU Framework 6 projects involving over 1700 public and private sector partners across Europe**
- **The first Science City project is a major collaboration with Durham University and two NHS Trusts.**

Science City and the University



- **Newcastle Science City seeks to**
 - **Raise the aspirations around science and technology education in the City region**
 - **Develop a strong environment for emerging technology businesses in which commercial ideas from the University and elsewhere have a high chance of success**
 - **Develop an effective environment for the creation and attraction of management and entrepreneurial skill sets in present students (under-graduate and post-graduate), post doctoral staff and alumni**

Science City Strategy

- **The strategy includes**
 - **The development of several major urban sites with unique research developments of world class quality which are commercially relevant**
 - **Targeting and enhancing scientific excellence in stem cells, regenerative medicine, drug discovery, sensors, energy technologies, ageing which have the potential for major commercial investment**
 - **A renewed regional focus on formation of technology businesses.**
 - **Major changes in the University**

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Simple models for project funding

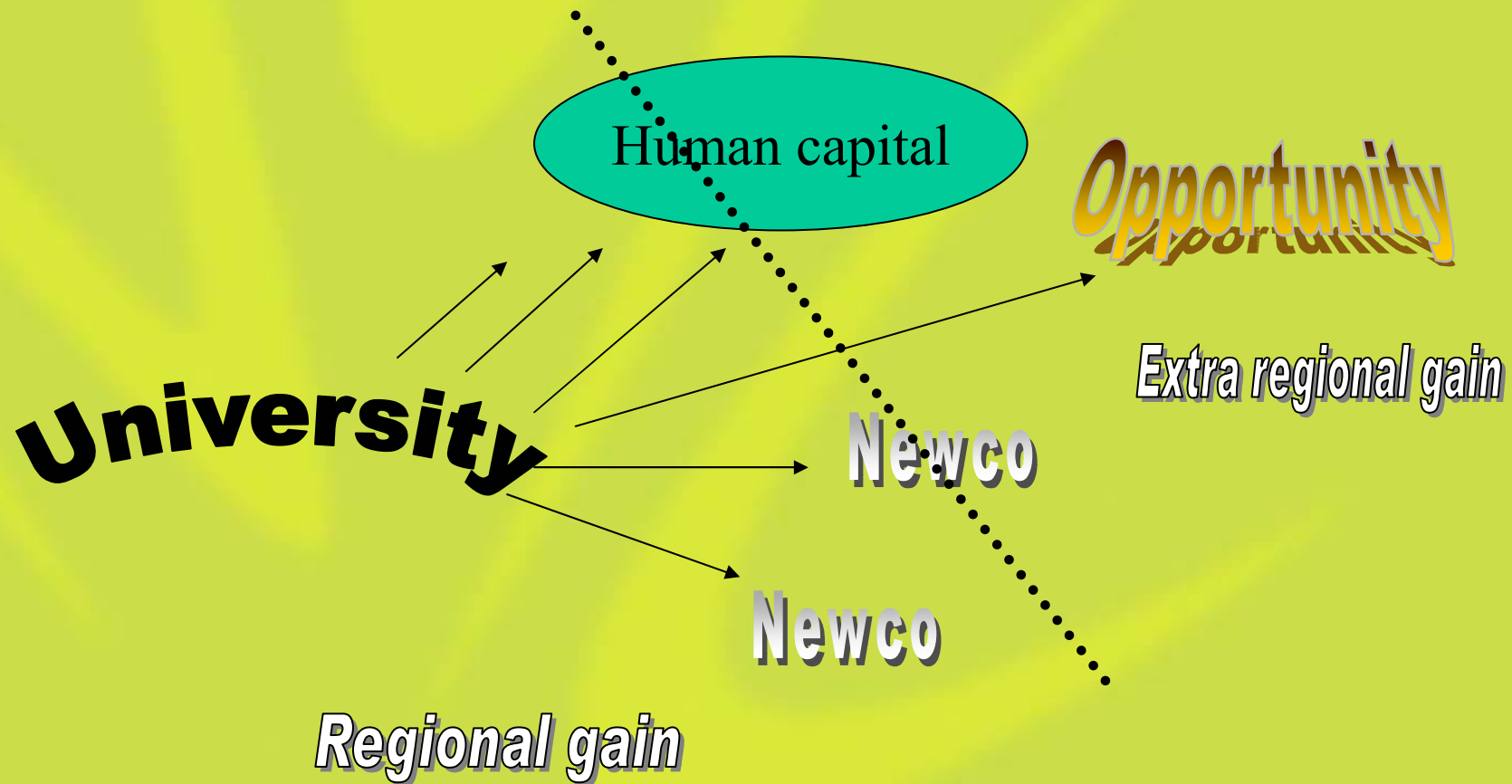


This model represents the status quo – and limits significantly what can be achieved

IT IS A DIRECT AND CONTROLLED MODEL

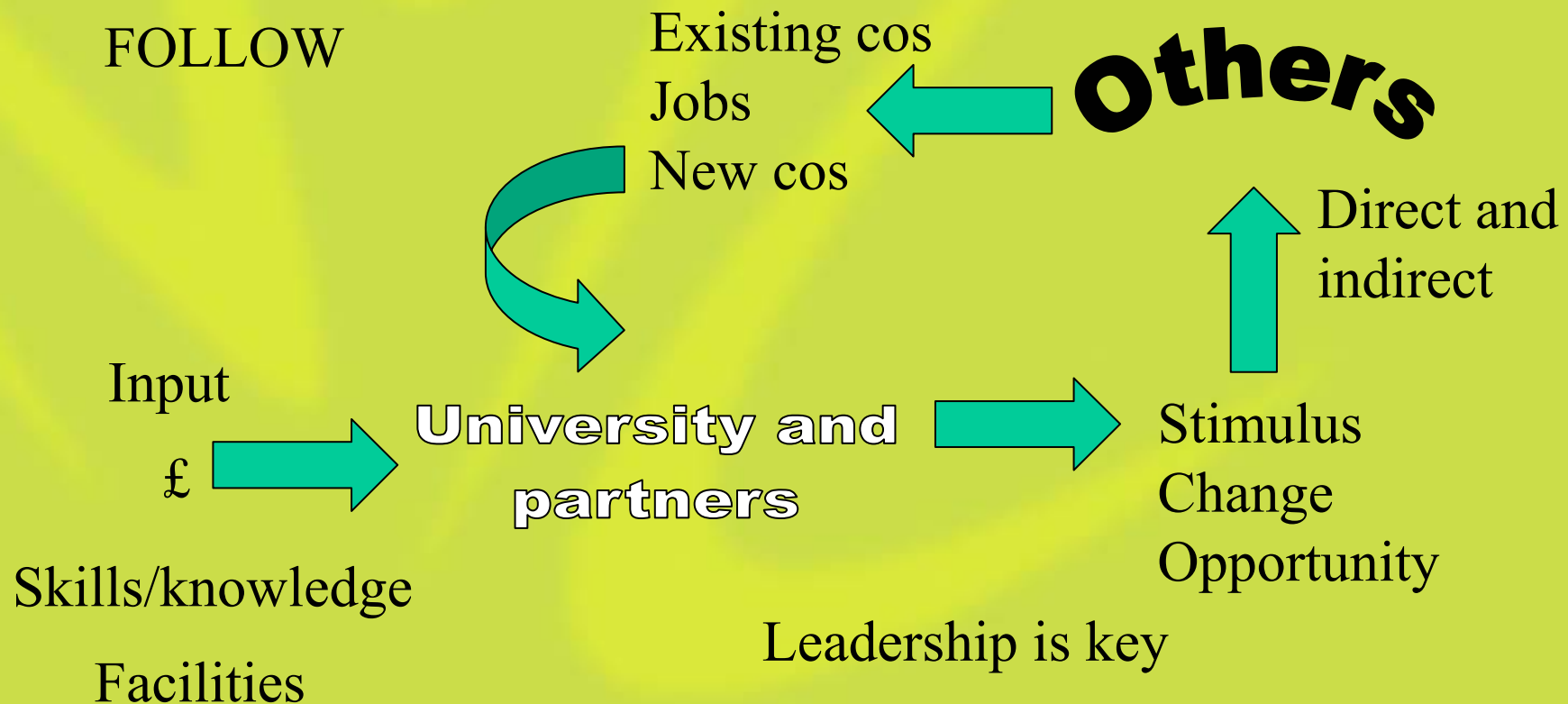
IT IS EASY TO FUND AND TRACK OUTPUTS

Outputs from simple model

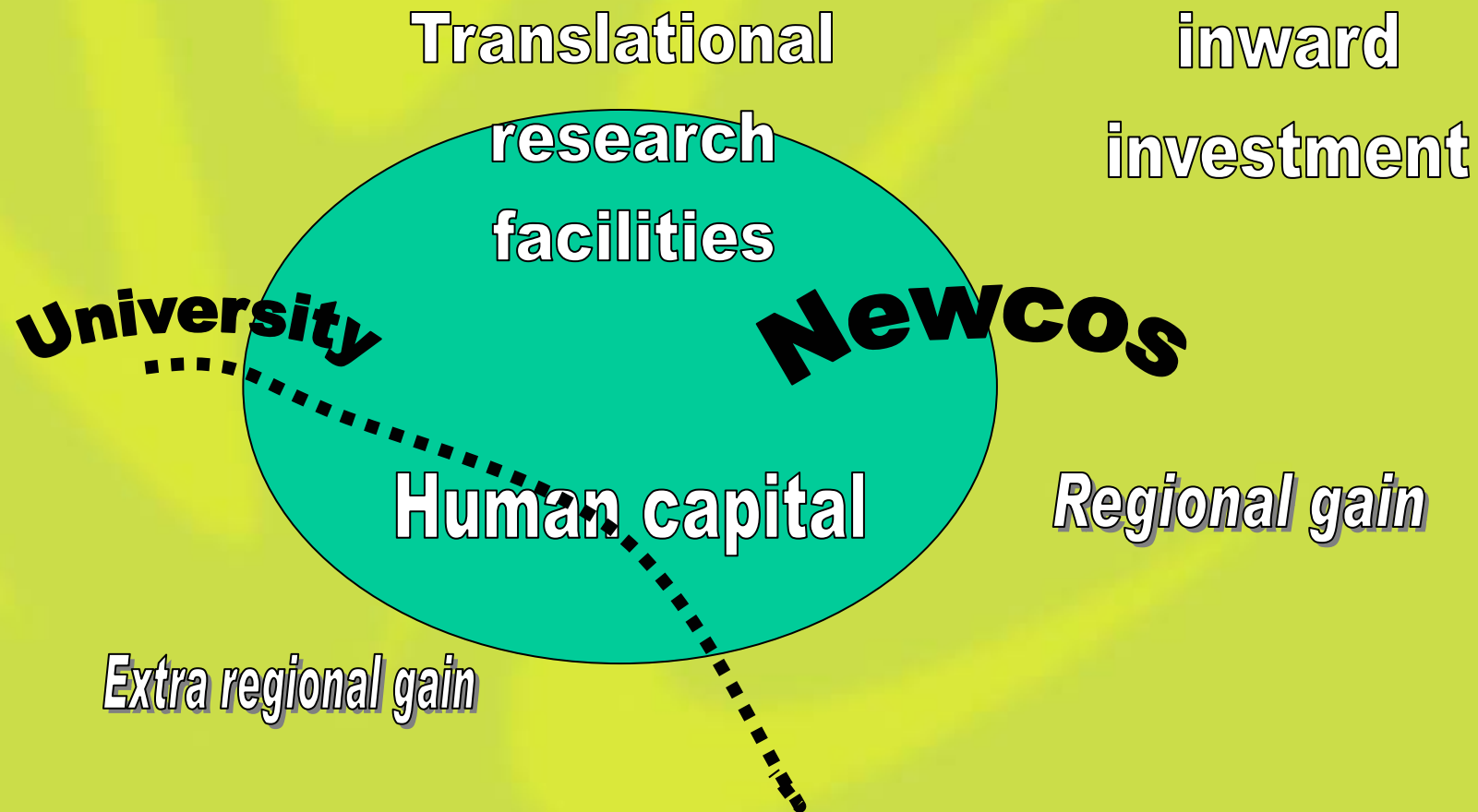


A more complex model

CAUSE AND EFFECT
IS DIFFICULT TO
FOLLOW



Outputs from more complex model



Partnership and Science City



- **Effective partnerships are not easy**
- **They require**
 - **frankness and openness and 360 degree awareness**
 - **ensuring that the NOT INVENTED HERE mantra which dominates many organisations does not secure any credence**
 - **A need for focus on the full picture and not on the individual pixels**

Conclusion

- **The North east has major challenges**
- **Only through truly effective partnerships will major benefits for the region be secured**
- **The challenges are not insignificant and will require sustained determination and commitment**
- **The aim of Newcastle Science City is to rise above the challenges.**