

RIS3 Workshop, Tartu, Estonia

Driving economic growth through innovation

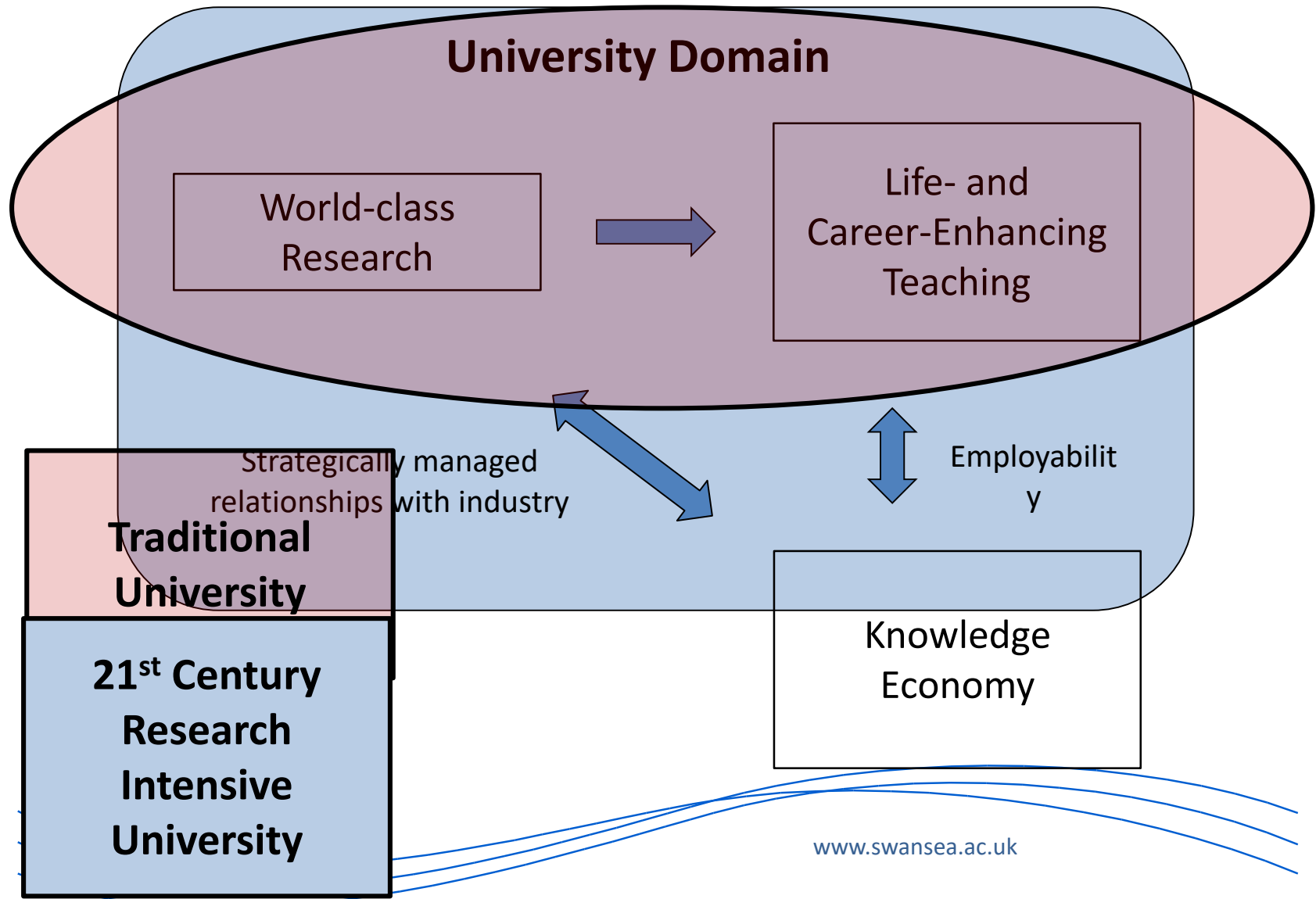
Professor Richard B. Davies, Vice-Chancellor
Swansea University

17th October 2017





The role of a research intensive university in productivity growth and regeneration



Complex Challenges



Swansea University
Prifysgol Abertawe

A wide-angle photograph of the Swansea University campus. On the left, a large, historic building with a steep, ivy-covered roof and a prominent chimney stands. The building is surrounded by lush greenery, including a large palm tree in the foreground. To the right, a wide, paved path leads up a grassy slope, flanked by manicured hedges and trees. Several students are walking along the path, some carrying books. The sky is clear and blue.

Attract inward investment
Support local companies
Create companies
License IP
Ensure employable graduates

Problem 1: A Leadership Gap

Technology Readiness Levels

TRL 1-3

Research

TRL 3-6

Technology development
and scale up

TRL 6-8

Component and
system
development

TRL 8-9

Commercial
implementation

University

Market

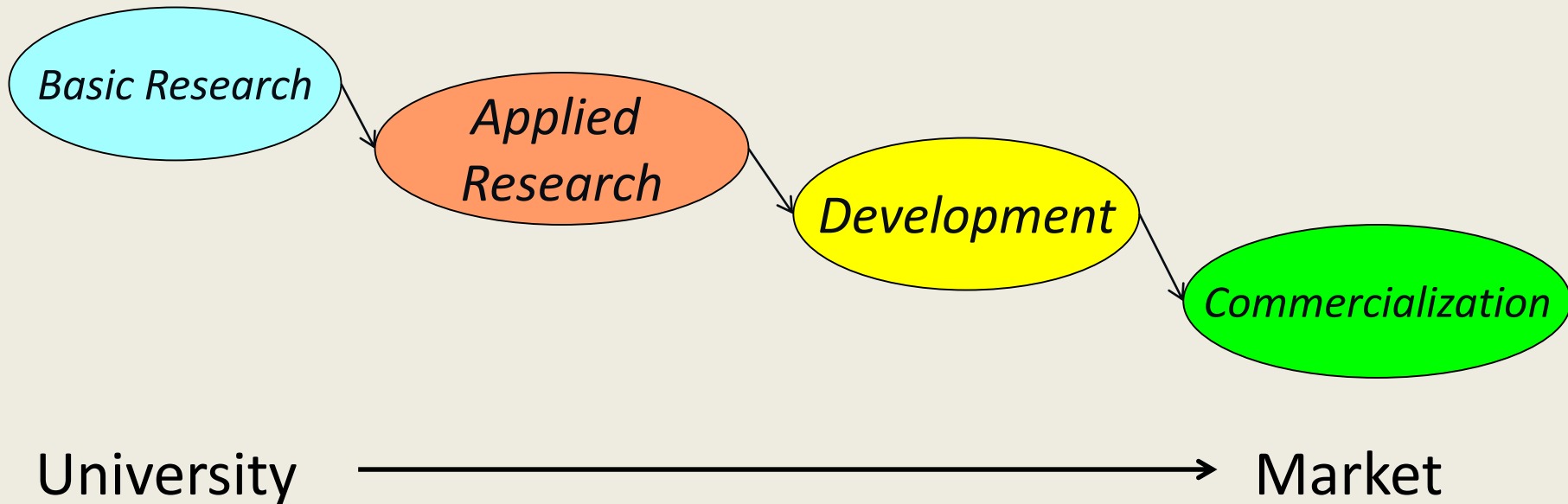
PUSH

PULL THROUGH

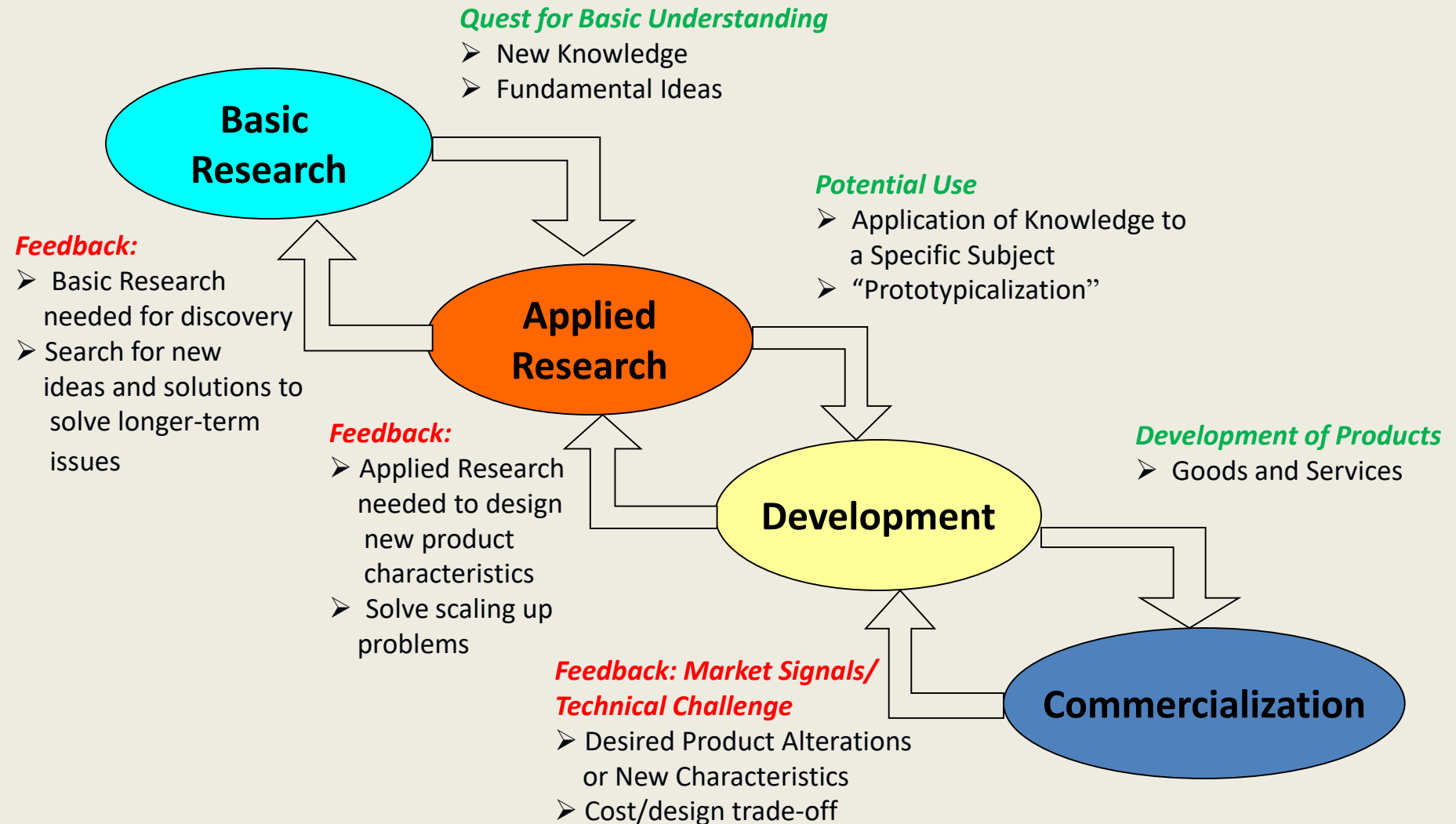
PULL

Problem 2: The Myth of Innovation

Innovation is **NOT** a Linear Process



Non-Linear Model of Innovation



An ambitious journey



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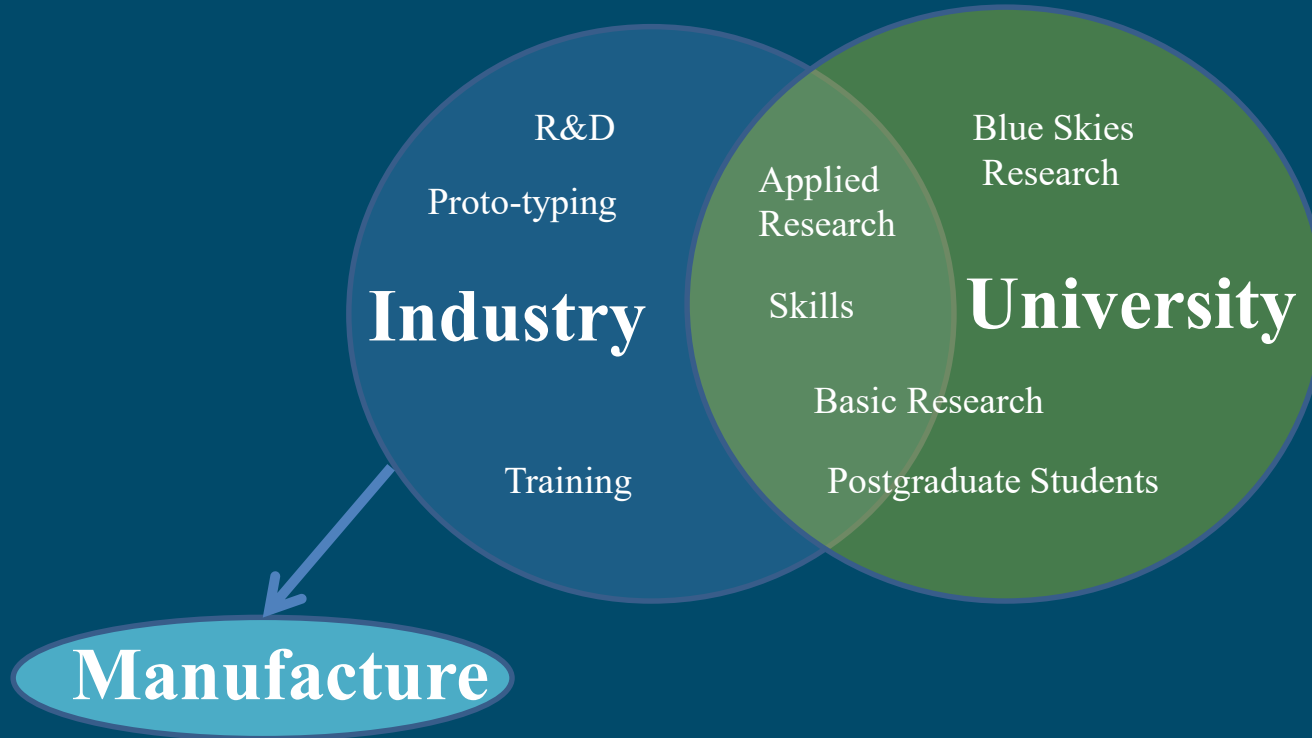


March 2013

Swansea University: Co-location model



Swansea University
Prifysgol Abertawe



Science and Innovation Bay Campus



Swansea University
Prifysgol Abertawe

Phase 1 opened Sept 2015



Total Cost \approx €500 million
ERDF \approx €70 million
EIB \approx €80 million

World Class Research and Teaching Facilities



Swansea University
Prifysgol Abertawe

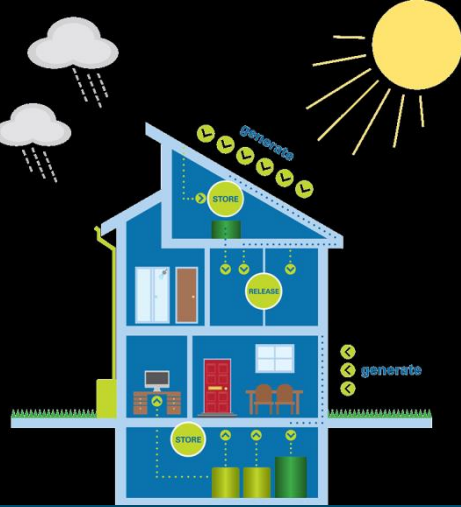


Equipment to support industrial scale up & manufacturing



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Innovation into commercialisation



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Phase 2: Computational Foundry, ERDF €25 million





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Swansea City Deal signed: March 2017





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Thank you

