NHS Wales approach to innovation and technology adoption
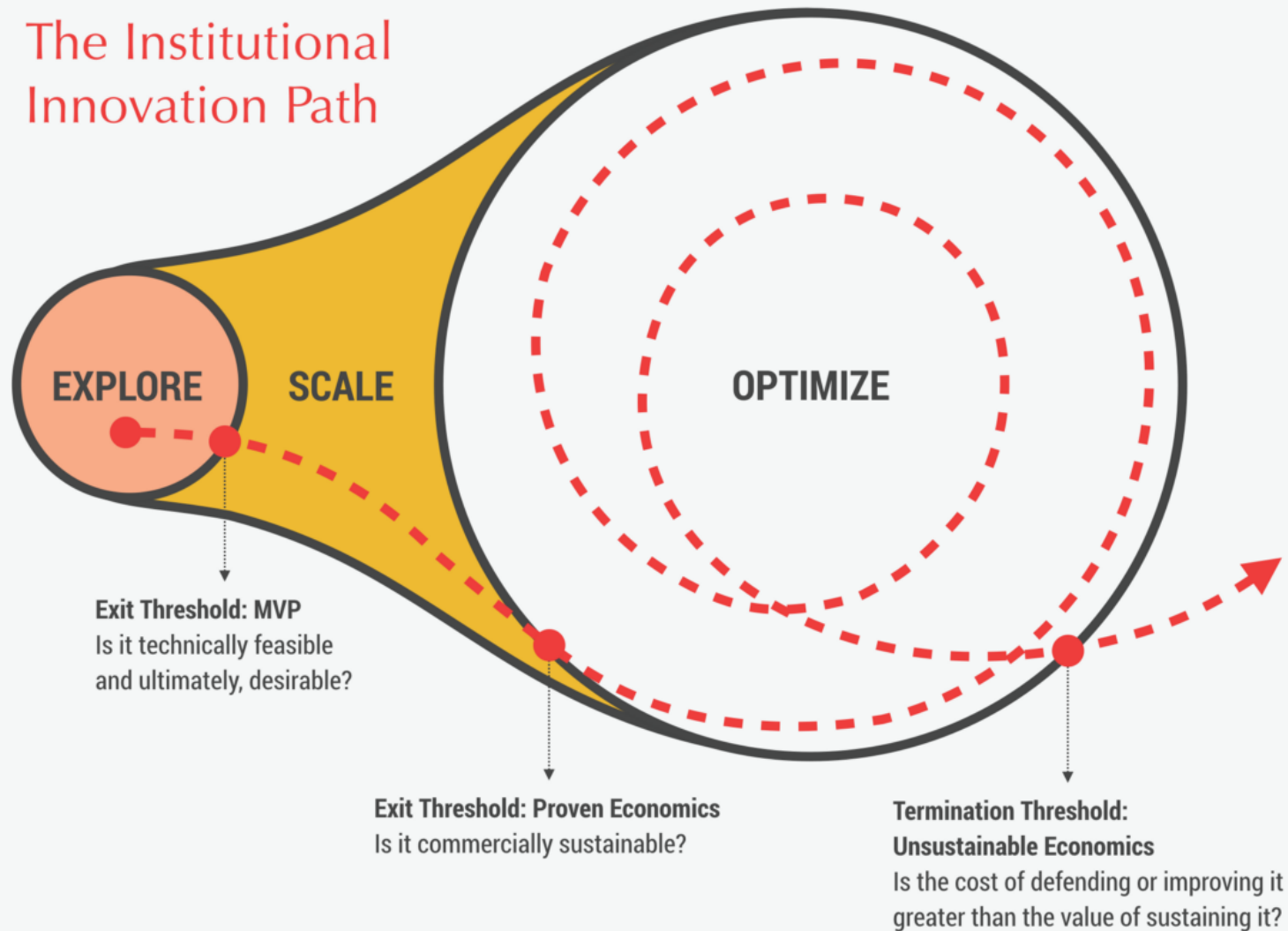
December 2016

Ifan Evans
Healthcare Technology, Innovation & Strategy

Aims & Objectives

- **Increase pace and scale of change in health and care**
  - improvement and good practice
  - service reconfiguration
  - innovation and technology

- **Accelerate adoption and spread of technology**
  - identify areas of need and promising technologies
  - quickly demonstrate and evaluate
  - scale high value technologies to all-Wales

- **Work with others to create value**
  - welsh universities and industry
  - attract research, innovation and investment
  - translate research into practice

The Institutional Innovation Path

EXPLORE

SCALE

OPTIMIZE

Exit Threshold: MVP
Is it technically feasible
and ultimately, desirable?

Exit Threshold: Proven Economics
Is it commercially sustainable?

Termination Threshold:
Unsustainable Economics
Is the cost of defending or improving it
greater than the value of sustaining it?

Strategy: technology

The Institutional Innovation Path

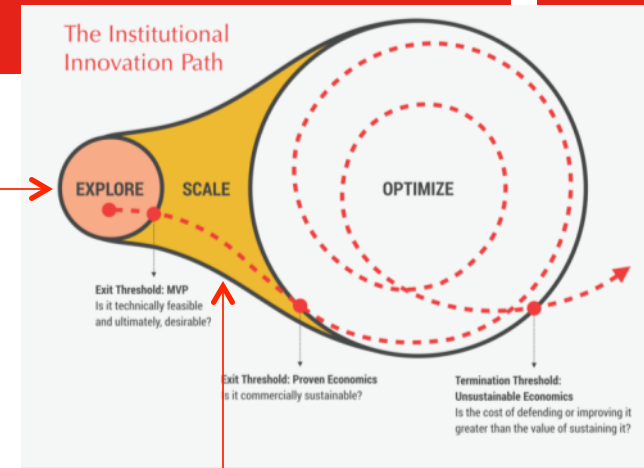- **Technology development**
  - SBRI and innovative procurement
  - Proof of concept grant funding
  - IP management and commercialisation

- **Technology adoption funding**
  - Bevan Technology Exemplars programme
  - Efficiency Through Technology fund

- **Technology adoption support**
  - NHS Wales national technology adoption hub
  - All-Wales technology network and events
  - Direct engagement with SMEs and life sciences hub
  - Joint working with WG life sciences, UKTI, Innovate UK

Strategy: innovation

The Institutional Innovation Path
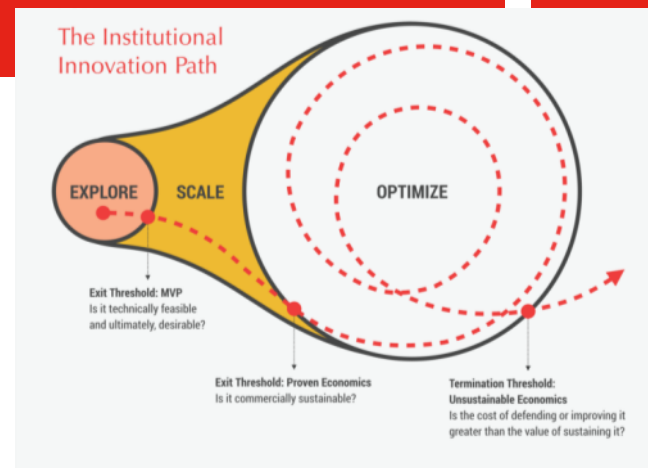
- **Innovation Policy**
  - NHS Wales planning framework
  - University Health Boards

- **Innovation Projects**
  - Welsh Wound Innovation Centre
  - NHS Wales Informatics - digital open innovation platform
  - NHS Wales procurement - innovative procurement project
  - NHS & industry - outcomes focussed joint working
  - NHS & business schools – pilot project
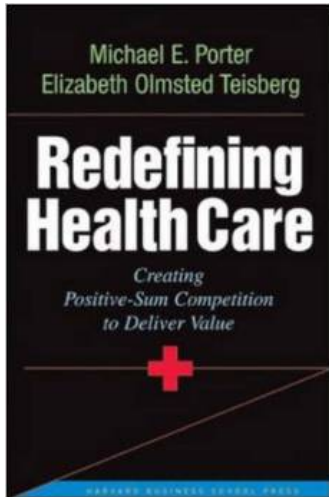
- **Innovation support**
  - Health Innovation Cymru Wales - network and events
  - Regional health/economy strategies - ARCH, City Deal
  - Joint working with WG life sciences, UKTI, Innovate UK

Method:

- **Pace**
  - Agreed delivery milestones
  - Rapid decision making

- **Protection**
  - Specific funding for specific purposes
  - Standardised processes
  - Regular routine monitoring

- **Proportionality and transparency**
  - Simple processes and administration
  - High level purposes and targets
  - Real world evidence, feedback, knowhow, evaluation
  - Open calls and competitive funding

Value is more than efficiency savings

Michael E. Porter
Elizabeth Olmsted Teisberg
Redefining Health Care
Creating Positive-Sum Competition to Deliver Value

ICHOM   **PROMS**   **PREMS**

HEALTHCARE OUTCOMES x PATIENT EXPERIENCE
―――――――――――――――――――――――――
RESOURCE COST