

2020 Strategic Technology & Innovation Management Programme

Innovation Velocity

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Industrial / managerial need addressed

Companies are interested in time efficient ways to assess when new technologies will become relevant and accessible to the organisation. They also seek more effective ways to measure the progress of technology-based projects within the organisation. The main aim is to explore light-weighted approaches to reviewing technology development activities by combining internal and external innovation velocity perspectives and linking to other tools.

Expected deliverables

- A tested profiling approach of 16 dimensions across four areas (Company, Business, Technology and Environment) to assess the expected rate of development of a new technology.
- A piloted half-day workshop to review internal innovation projects focusing on scheduling, synchronising and resourcing challenges that delay progress.
- An approach to combine internal and external perspectives on innovation velocity and connect to related tools to support technology development activities.

Engagement opportunities

- Companies will be asked to take part in discussions, to volunteer to provide case study material and to undertake pilot applications to test and improve the project outputs.

Approach

- External perspective – documenting examples to demonstrate the proposed profiling approach underpinned by a characterisation of innovation type.
- Internal perspective – piloting a temporal-focused workshop approach with companies to facilitate continuous improvement.
- Combining the two perspectives by linking to a wider set of related tools, e.g. reviewing metrics for choosing internal v. external paths; exploring options to speed open innovation activities; integration issues on acquiring a tech start-up; identifying the most synergistic internal and external linkages on a roadmap.

