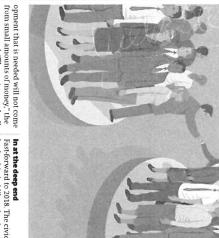
How and why clusters are mad

LAB PROVIDES PROMISING ANSWERS. DIRECTOR **ED** THE PURDUE AGILE STRATEGY CLUSTERS CAN ACCELERATE INNOVATION MORRISON EXPLAINS INNOVATION BUT HOW DO THEY FORM? NEW RESEARCH BY

Milwaukee sparked the forma-In early 2007, two CEOs based in

convened its first Water Summit ing equipment. Mr Jones agreed Smith, a global leader in water heatgies, could collaborate with AO company, a leader in liquid flow off, Mr Meeusen proposed that his region as a global leader in fresha vivid picture of the Milwaukee of AO Smith Corporation, was hosta couple of months, Milwaukee and they pushed forward. Within measurement and control technolo water technology. To kick things sive, high-energy executive, painted Badger Meter. Mr Meeusen, an effu president, CEO and chairman of tion laboratory for Rich Meeusen, ing a tour of his company's innovation. Paul Jones, chairman and CEO It all started with a simple conversa tion of a global water cluster.

delivered a detailed look at the At the second Water Summit difficult to align. "The speed of devel-Many companies were small, and ing a water cluster would not be easy ing, the Water Summit White Paper nology companies.) While promisindustrial codes for fresh water techbecause the US government has no ogy businesses. (The task of finding team identified 120 water technolregion's fresh water technology com University of Wisconsin-Milwaukee, Sammis White, a professor at the their diverse business goals might be hese companies was not trivial, Fast-forward one year, to 2008 Mr White and his research



paper warned. "The region needs all the public and private support that true global leader.' it can possibly muster to become a

simple rules guides participants to form complex collaborations quickly its first water technology incubator. nology. Milwaukee had core labs for start-up company in freshwater techlaboratories with a sudden announce ment. Their advanced research labooutcomes. During the course of the workshop, Mr Jones and Mr Meeusen ing, called 'strategic doing'. Designed took the opportunity to demonstrate Strategy Lab to design a workshop ratories would be available to any combined the assets of their research and move them toward measurable nected networks, this discipline of specifically for open, loosely cona new approach to strategy incubatwithin the second Water Summit. We Mr White also asked Purdue Agile

partners develops education and training programmes with a wide extensive network of educational ted to sharing in 2008 Center they immediately see smaller When visitors enter the Global Water industry. A new Global Water Center chapters to promote the water range of internships and student universities to work with businesses research centre brings together area Freshwater Sciences, the only gradu now operates the School of University of Wisconsin-Milwaukee hub for freshwater technology. The Mr Jones and Mr Meeusen commitversions of the two research labs that anchors a water technology district and develop new technologies. An ate school of its kind in the US. A Water Council has become a global lowed through on the promise. The leadership in Milwaukee has fol-

The story of the Water Council in

development practitioners, policy-makers and academics have been formation of clusters? struggling with the question of regional development, economic to the importance of clusters to the Harvard Business School pointed form. Ever since Michael Porter at Milwaukee illustrates how clusters "How?" How do we stimulate the

Answering the 'hows'

and innovation management at rated with a team in technology Germany, where we have collabo-US navy. Our work has taken us to Corporation on a project for the companies engaged with Lockheed unmanned aerial vehicles in New a digital hub, Shoals Shift, in north after the NASA shuttle shutdown clean energy cluster in Florida Charleston, South Carolina; a Charleston Digital Corridor in transformation of the Oklahoma City economy; the launch of the tion. Our experiences include the Lab has focused on this 'how' ques within the Purdue Agile Strategy For the past 12 years, a small team Fraunhofer IAO. Jersey; and a cluster of New Jersey Rockford, Illinois; a cluster for Alabama; an aerospace cluster in

ing and guiding cluster initiatives, practical insights we have accumulated a range of With our experiences in design-

Illustration by John Holcroft

as they develop Successful clusters move through identifiable horizons

We have seen a distinctive pattern

by linking and leveraging assets on either common problems or opportunities that could emerge These conversations typically focus share a similar 'competitive space' The conversation shifts. Innovation versations among companies that ecosystems begin to form with con

A new network forms. As more the network to concentrate shared assets within region. One or two organisations emerging network within the Participants become aware of an companies and organisations join emerge as 'network hubs' that start among individuals become stronger. these conversations, the connections

A strategic agenda emerges. Members of the emerging network begin to focus

transparently. Simplicity and transpar-

Set investment priorities quickly and

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and guide these conversations an effective discipline to structure measurable and pragmatic outstrategically to focus on specific, learn how to move the network on strategic opportunities. They comes. 'Strategic doing' has become

ments in talent; entrepreneurship and innovation support networks; expand the network; and quality, new narratives to energise and tion. The portfolio includes larger ments. As the ecosystem forms and research centres connected places such as incubators The portfolio ranges from invest scale shared 'anchor investments investments to accelerate innovament agenda: a portfolio of shared members develop a strategic invest Participants commit to anchor invest

boundary spanning firms connect with other firms, markets and opportunities. networks emerge and connect as tem. In addition, new, innovative out the infrastructure of the ecosysous. New anchor investments build become more dense and spontane Connections within the network continue to invest, adapt and expand The cluster emerges as participants

Cluster investments are inherently

tions follow a pattern. They: plex conversations. These conversawithin the core team guide comshared within a core team. Leaders leadership is distributed and action: 'Doing the doable.' The tions that translate ideas into persistent, deep, focused conversa-Effective collaborations require

framed around aspirational but prag-matic ideas: authentic opportunities. Begin with a promising hypothesis, clearly stated. Initial conversations are

ties emerge As they are revealed new opportuni-These assets are hidden in networks the participants are willing to share Collaboration builds on assets that Uncover assets hidden in networks.

assets. New, shared value emerges when participants configure their existing assets into new patterns. Link, leverage and align these shared

> of a successful collaboration. ency in decisions generate both speed and trust, two key elements

In collaborations, vague visions do Focus on practical, measurable outcomes

and assets. Agreeing on shared, not move people to invest their time

Collaborations grow when partici-pants replicate, scale and sustain Experiment relentlessly to move forward

easy, but it is not measurable outcomes sounds

successful experiments.

an entirely new idea which promshare interests, but they do not an interested network (where they As they build trust, they move from leadership, are widely distributed only when participants align collaboration, and trust builds which all participate. Trust powers ises shared value). (where participants are working on agenda); to an innovating network learn, but each with their own work (where they help each other work together); to a learning net-Commitments to action, not just their words with their actions Translate ideas into clear next steps in

design and guide platforms on which forms. While we cannot design and managing these platforms. play a critical role in developing and they form. Increasingly, universities guide clusters or ecosystems, we can Clusters form fastest on well-designed plat

Clusters form fuster with a agile strategy open innovation. We have shown that pline of strategy for networks, it rules, they become more productive as participants follow a set of simple becomes an operating system for discipline. As we teach the new disci-

guided with simple rules. It is agile open innovation. follow a clear trajectory and can be these complex collaborations. They know enough to scale and sustain systems. The good news: we now shifted to open innovation and econess. Over time our language has connecting clusters to competitivefirst suggested the importance of Twenty-five years ago, Mr Porter

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