

DIGITAL ENERGY ENTREPRENEURIAL ECOSYSTEMS

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THE UNIVERSITY OF
MELBOURNE



CLEAN ENERGY
ENTREPRENEURIAL
ECOSYSTEMS

ECOSYSTEM DYNAMICS

FINANCIAL SUPPORT

TECHNOLOGY TYPES



CONTEXT

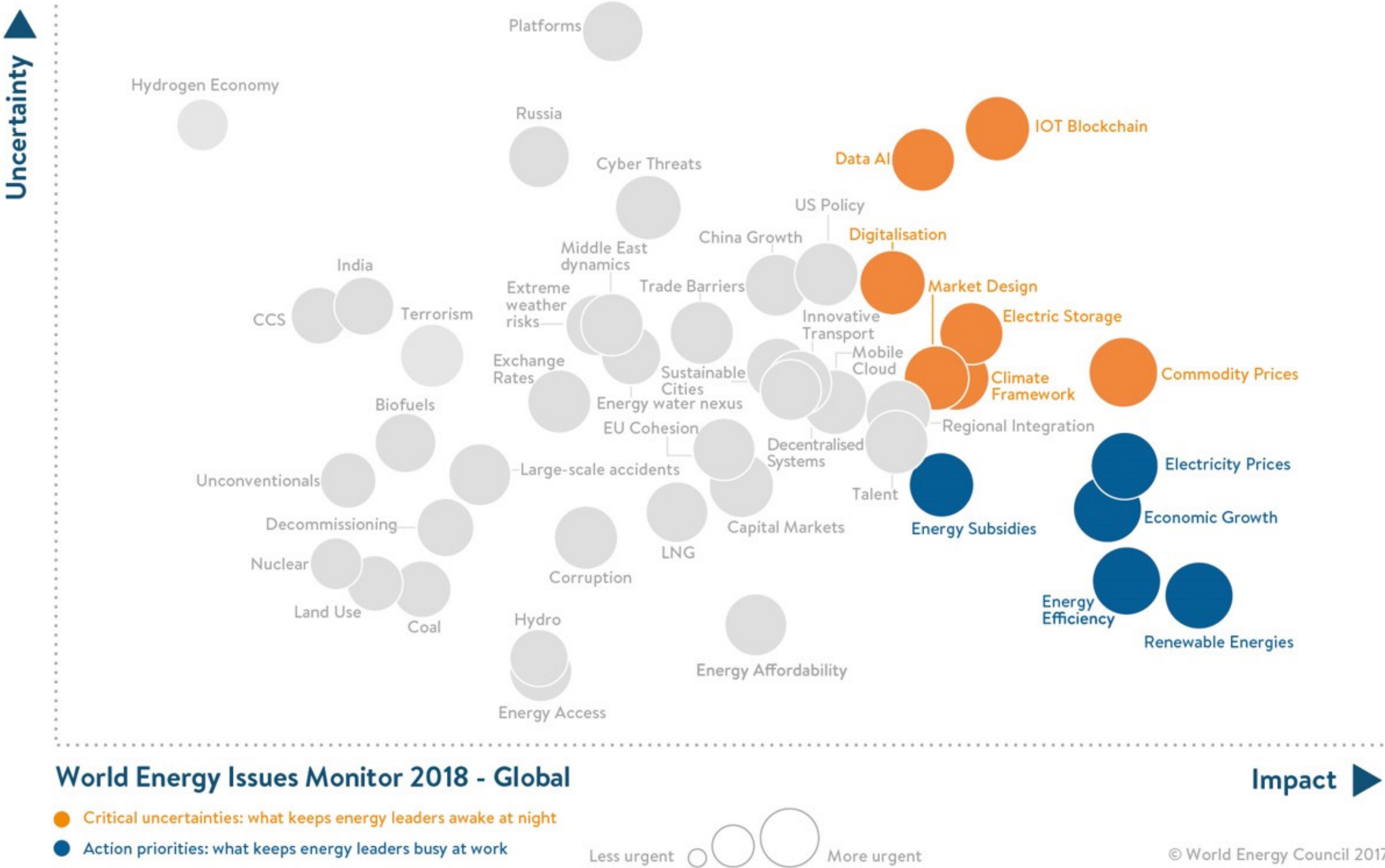


DIGITAL ENERGY TECHNOLOGIES

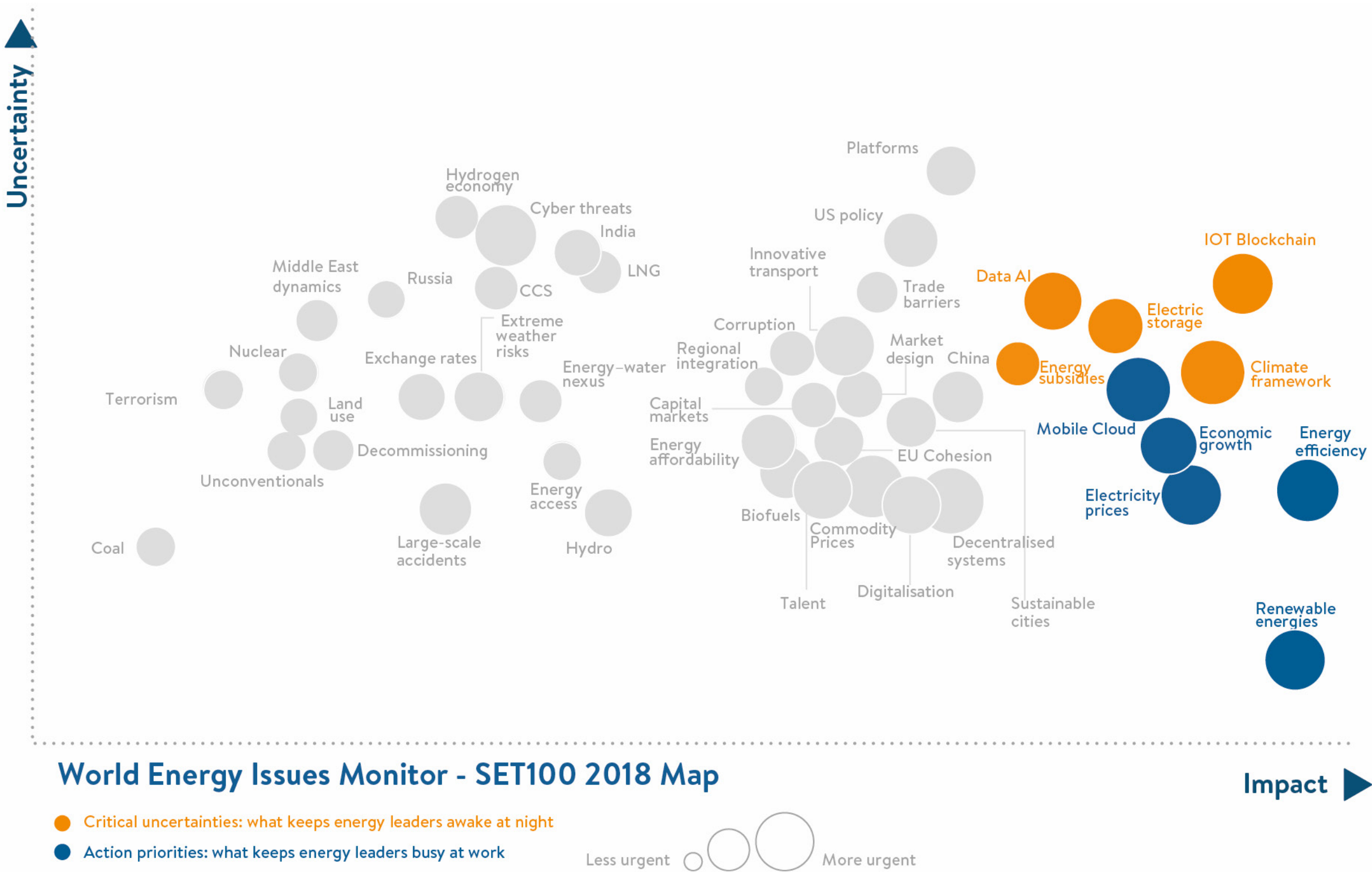
- AI/ML
- Cybersecurity
- IoT
- Blockchain

DIGITAL ENERGY TECHNOLOGIES

What keeps energy leaders awake at night as voted by energy leaders (incumbents)



What keeps energy leaders awake at night as voted by the Sustainable Energy Transition Awards (SET100) community (startups)

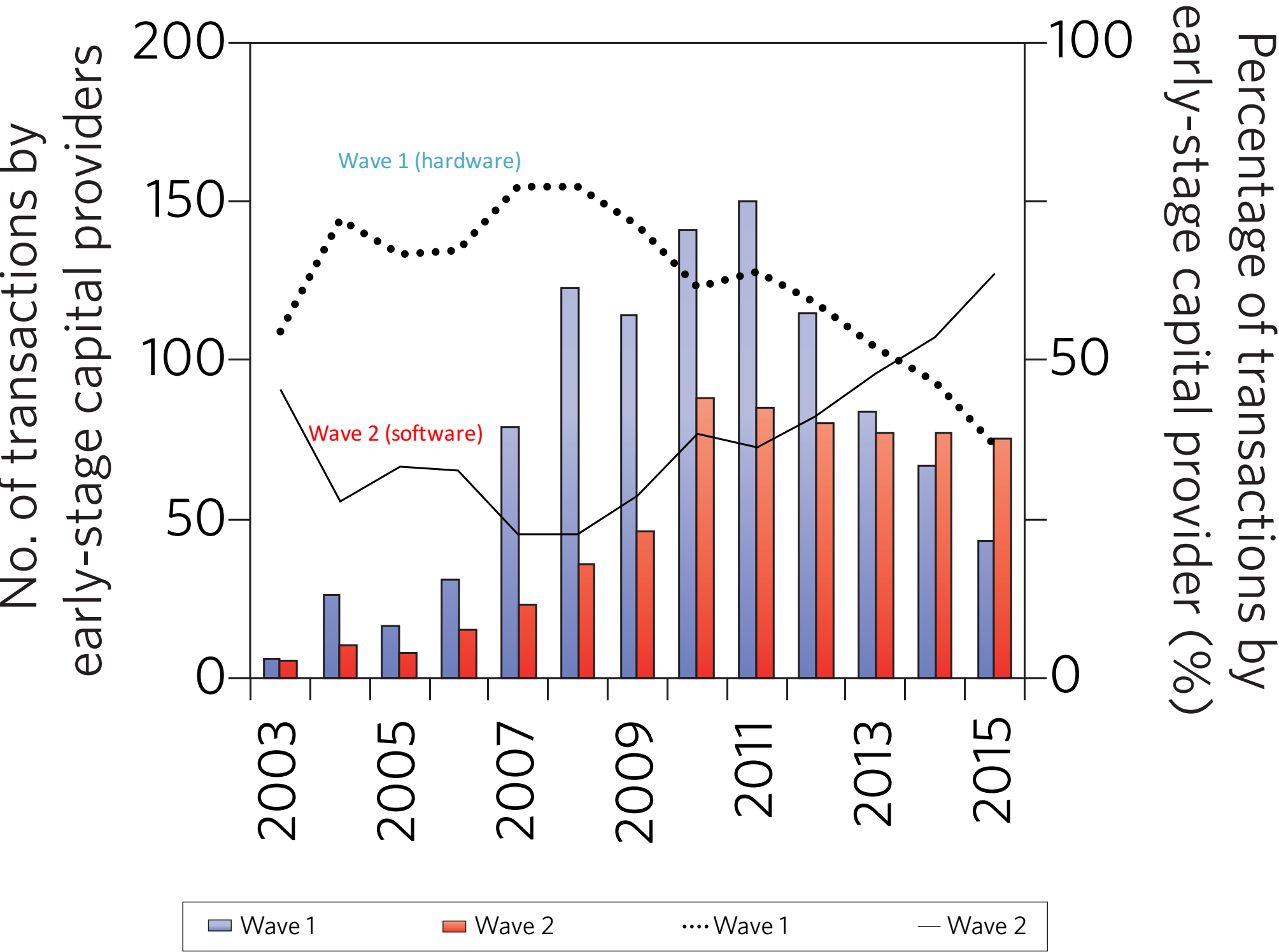


SOURCE: [HTTPS://WWW.WORLDENERGY.ORG/PUBLICATIONS/2018/WORLD-ENERGY-ISSUES-MONITOR-2018-PERSPECTIVES-ON-THE-GRAND-ENERGY-TRANSITION/](https://www.worldenergy.org/publications/2018/world-energy-issues-monitor-2018-perspectives-on-the-grand-energy-transition/)

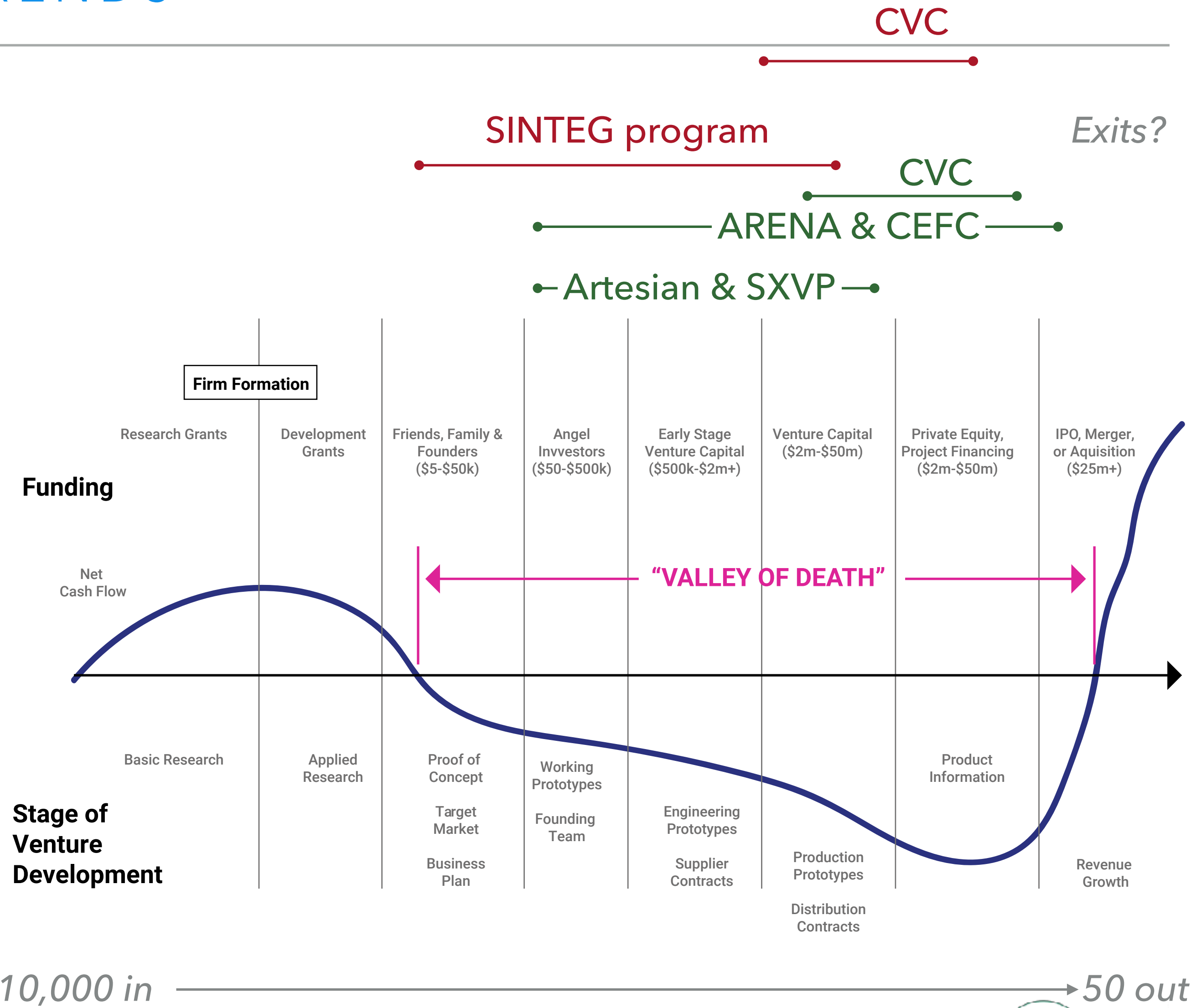


DIGITAL ENERGY INVESTMENT TRENDS

EARLY STAGE CAPITAL UPTICK TOWARD DIGITAL ENERGY



Bumpus & Comello, Clean energy technology investment and innovation. *Nature Climate Change* **7**, 382-385 (2017)



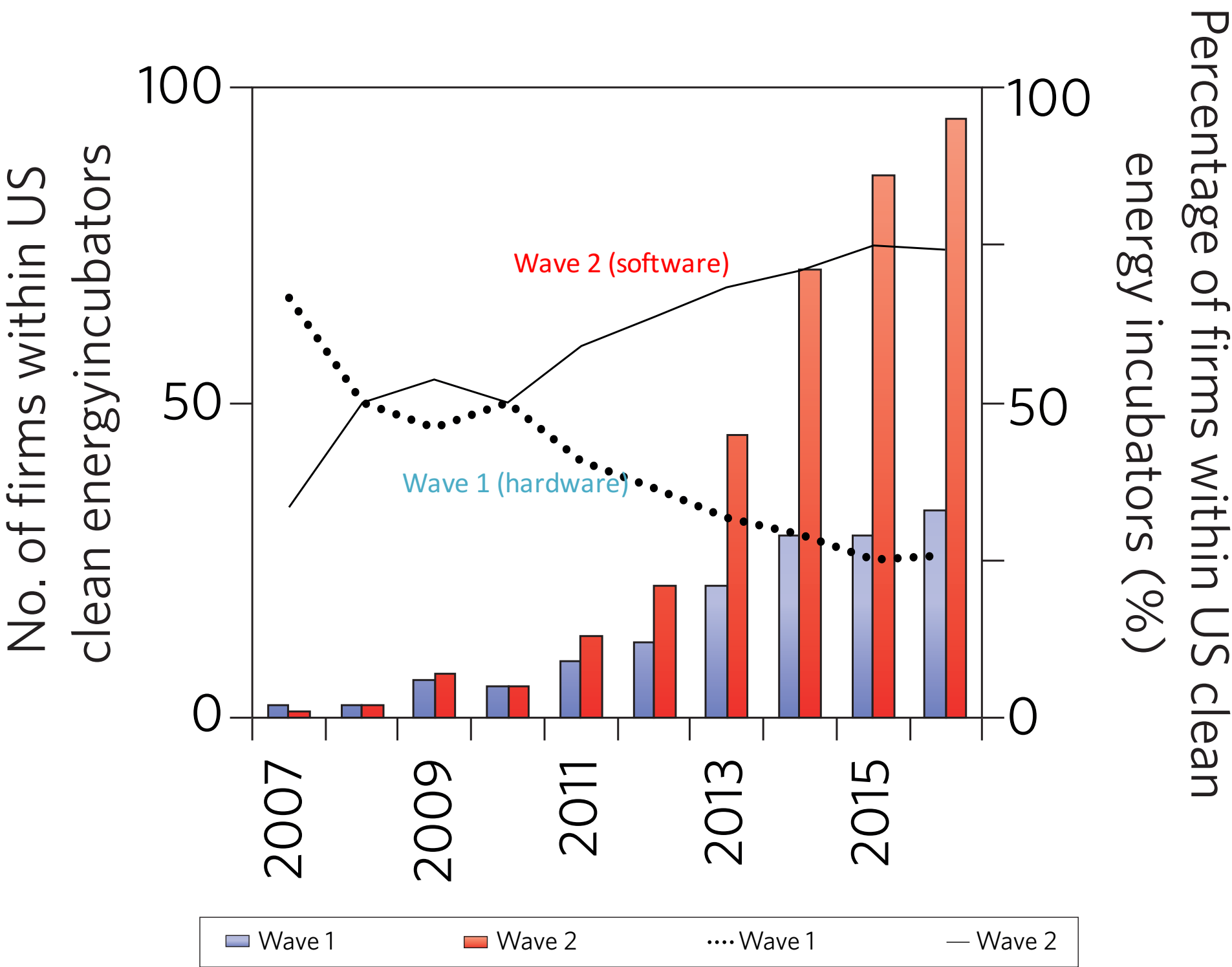
AUSTRALIA AND GERMANY NEED MORE INVESTMENT IN DIGITAL

Australia: potential \$315bn addition to the economy (CSIRO 2018), but use cases for digital energy innovation still remain on the periphery.

Germany: broader infrastructure requirements exist: between 2018 and 2025, around €10 billion in public funding – and a lot more in private investment – will be needed.

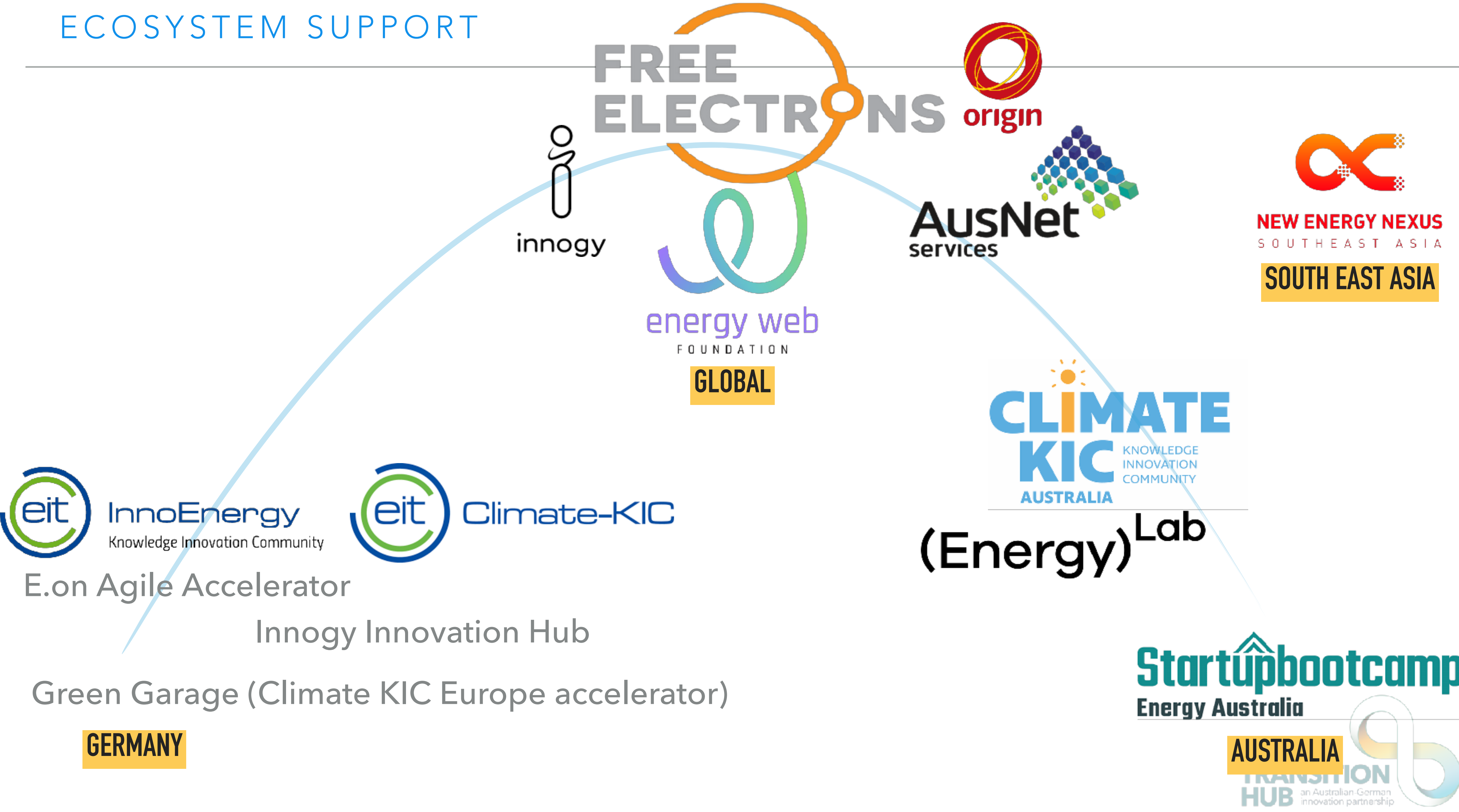
“DIGITAL INNOVATION IS CRITICAL TO IMPROVING OUR NATION’S PRODUCTIVITY AND SUSTAINING ECONOMIC GROWTH. IT’S NOT JUST ABOUT CREATING THE NEXT GOOGLE OR REPLICATING SILICON VALLEY,” (CSIRO 2018)

NEW EARLY-STAGE INDUSTRIAL SUPPORT



Bumpus & Comello, Clean energy technology investment and innovation. *Nature Climate Change* 7, 382-385 (2017)

ECOSYSTEM SUPPORT





Needs: more collaboration with Germany re ecosystem
Systematic in-depth review of startups
Opportunities to develop co-creation re digital and energy