

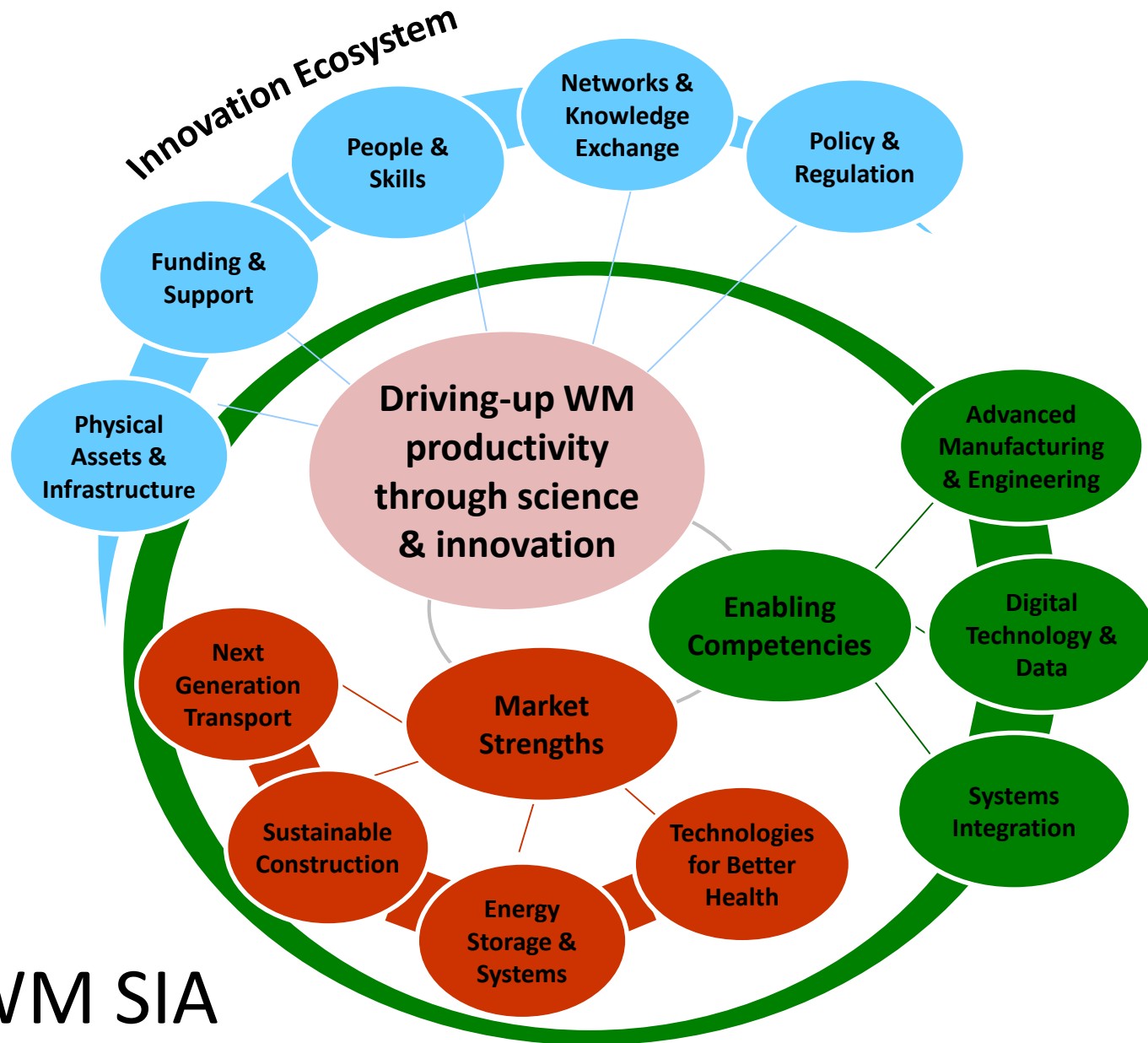
Birmingham Science City

ideasforlife



WEST MIDLANDS SCIENCE AND INNOVATION AUDIT (WM SIA)

Dr Pam Waddell, Director of Birmingham Science City Alliance



The WM SIA Framework

Low Carbon components of Market Strengths

- **Transport Technologies** (Automotive, Aerospace and Rail (including HS2): Low emissions vehicles, batteries, fuel cells and energy storage, powertrains, and light-weighting
- **Sustainable Construction:** energy efficient and lower carbon building technologies (commercial and residential construction and infrastructure)
- **Energy:** Storage, including batteries and hydrogen; Intelligent Energy Systems



Enabling Competencies – across markets

- **Advanced Manufacturing and Engineering:** designing, validating, producing, and servicing new products and industrial processes
- **Digital Technologies and Data:** exploiting and understanding big data, analytics, simulation and modelling
- **Integrated Systems:** How increasingly complex systems can be better designed, managed and operated, to deliver improved performance and outcomes



WM Innovation Ecosystem

- Range of strong S&I assets - needs to be maintained and geographically spread for access
- Well-developed set of networks and relationships
- Policy commitment from LEPs and WMCA supports innovation behaviours in business base
- Low skills levels greatest weakness in ecosystem
- More/ consistent public & private funding to turn innovation to productivity (loss of ERDF an issue)



Moving Forward

- New WM Innovation Alliance associated with WMCA and LEPs
- Key aim to roll out findings of WMSIA against WMCA SEP objectives of increased productivity and public sector reform
- Partner-led working groups such as this can be part of this response – strategy influence and collaborative action
- Support from eg ERDF joint calls, Industrial Strategy Challenge Fund, Consortium for the Demonstration of Intelligent Systems, new regional funding?

