

**EXIST**



DRIVING STEM SUCCESS

# michelmores

**Artificial Intelligence and  
Sustainability**

**Charles Courtenay, Partner  
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# AI and Environment

- **Digitisation, Decarbonisation and Das Gupta – economics of biodiversity...**
- **Decouple economic growth from natural capital consumption – MS and PwC – AI towards a sustainable future.**
- **Key Sectors:**
  - Energy – smart meters, digital grid, predictive storage, maintenance
  - Transport – autonomous vehicles, ride sharing, traffic management, maintenance
  - Agriculture – environmental monitoring, pest control, land management, genetics
  - Water – usage and supply monitoring, leak management, forecasting, waste
- **South West England – Natural Capital**
- **Risks – energy consumption, data storage, LLM training, wealth creation**

# AI and Society

- Employment and workplace disruption
- IP and Human Creativity
- Discrimination and Divides
- Connectivity and Education
- Resilience and Climate preparedness
- Safety, security and Big Brother

# AI and Governance

- **Politics** – Democracy given social media and Cambridge Analytica ++
- **Justice** – AI and legal services; evidence and truth
- **Ethics** – AI Summit; Responsible Design and Regulation
- **Structures** – Corporates, Social enterprises
- **Evaluation** – GDP, Gross National Happiness, Wellbeing Budget

any questions?

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