

The Sustainable Digital Infrastructure Alliance brings together all actors across the sector.







Tomorrow



















































Our Sustainability Goals are set, and in order to reach them we need to come together.

SUSTAINABLE GOALS















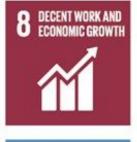








13 CLIMATE ACTION



14 LIFE BELOW WATER







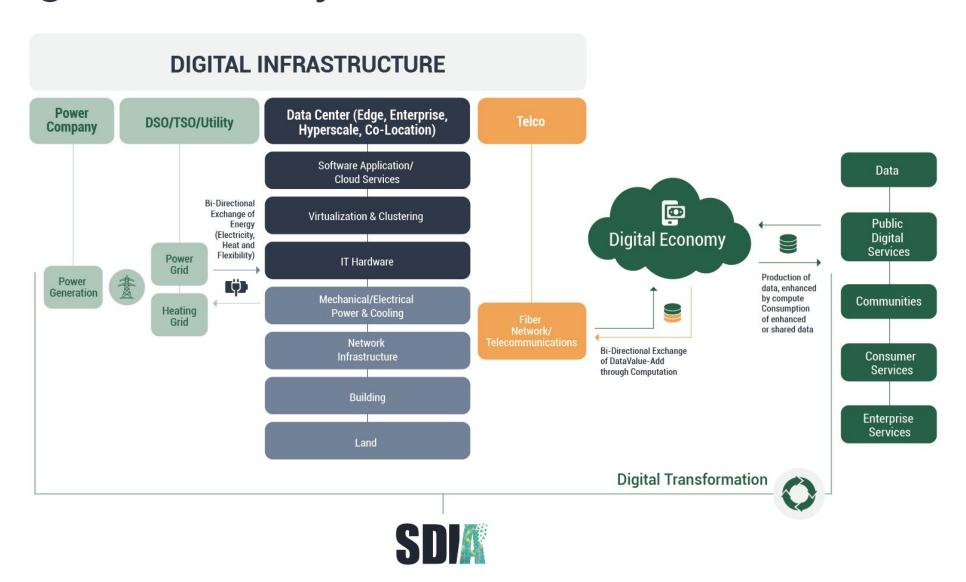








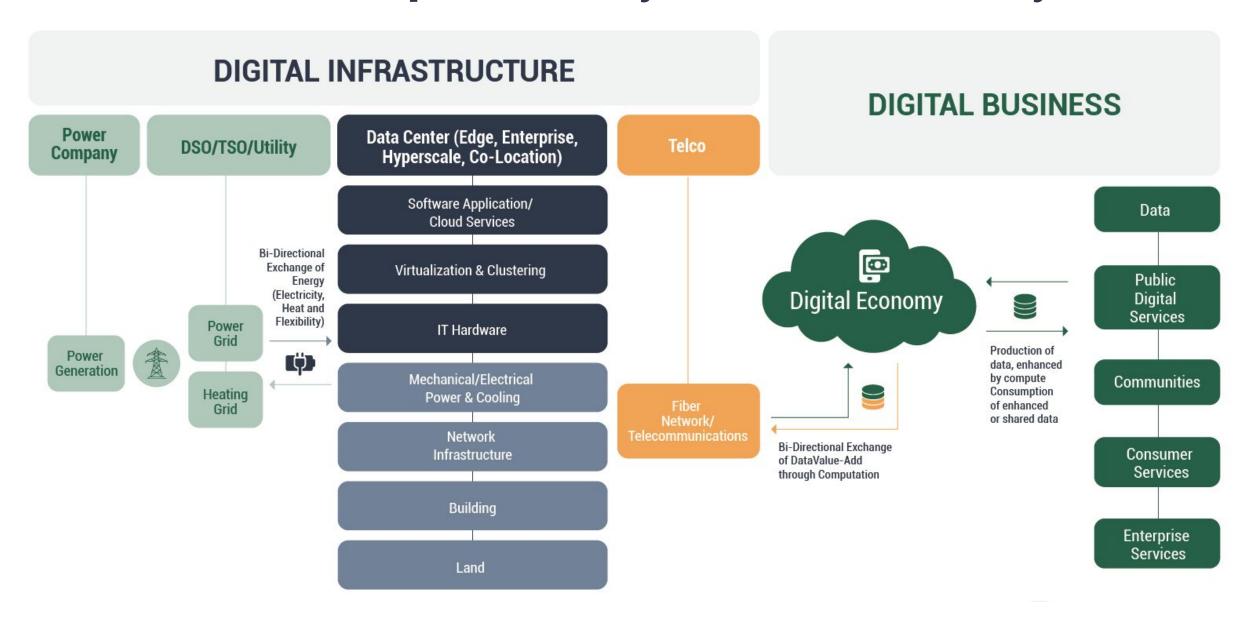
The SDIA is the industry-led agent of change towards a Sustainable Digital Economy.







Lack of Leadership in a vastly interconnected system.





The Roadmap provides the missing universal language for the Sector to drive Sustainability.

Sets the targets towards environmental, economic and social sustainability of data centers, fiber networks and energy.

Provides metrics that **evaluate the efficacy of each measure.**

Enables transparency and collaboration across all participants of the value chain

Delivers tangible next steps, policy recommendations as well as commercial & research objectives





The Roadmap as the Universal Language to enable Collaboration.



Metrics

- ADP and WEEE
- Energy Consumption and GHGs
- Pollutions
- Cost of compute



Activities

- Impact in Principle
- Collaboration & Dissemination
- Transparency, Accountability



Milestones & Targets

- Aligns goals & interests
- Provides forward planning & backward progress evaluations
- Environmentally neutral by 2030



Conclusion: The Roadmap



A sector-wide dashboard to track progress.



Shared Sustainability Targets enable collaboration and aligned direction



Shared Metrics provide the universal language, enabling transparency and accountability

The 2030 Roadmap for Sustainable Digital Infrastructure.





For Business: A map of opportunities for technologies & products to facilitate the sustainable transformation



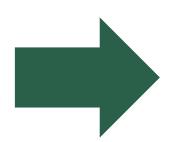
To realize the **Sustainability Targets** many existing technologies & products can be applied; creating opportunities.





Sustainable Digital Infrastructure is creating new commercial opportunities for businesses.



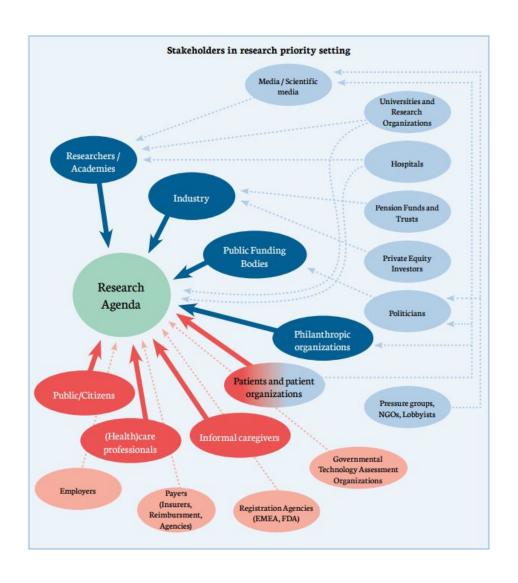


Resource Provision	Updates without Impacting Performance	Second Life Options
Green Coding	The Right to Repair	Feedback Loop to Production
Purpose of Software	Energy Consumption	Audits on actual Recycling success
Optimizing Deployment of Applications	Cooling Systems	Pollutants
Updates without Impacting Performance	Waste Heat	Server Utilization Rates
Efficiency by Design	Hardware Maintenance	
Recycling Compatibility	Energy Production	
Transport	Construction of the Facility	

... and many more.



For Research: A clear agenda and topics that require research & new technology developments.

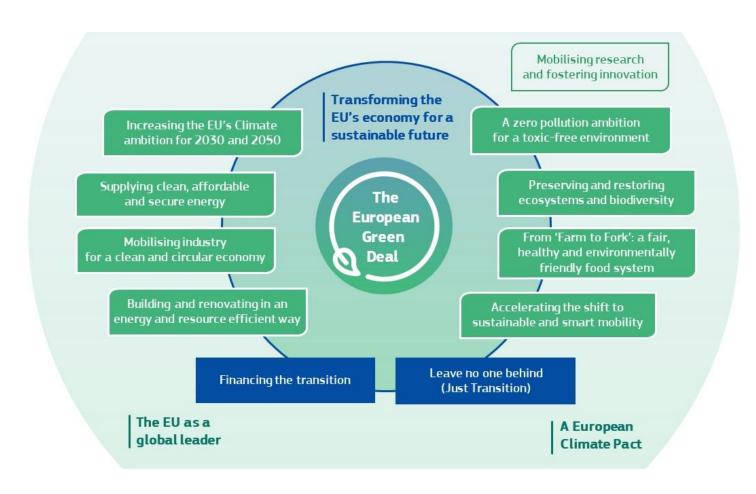


Clear priorities, involving all stakeholders and **aligned with government agendas.** Ready for scientific collaboration.





For Policy: Creating an environment for the Digital Economy to thrive sustainably across Europe.



Creating a Sustainable European Digital
Economy - turning European know-how into
Economic Value, without consuming Natural
Resources.





Conclusion: Commercial opportunities, a clear research agenda & policy guidance.



A map for commercial opportunities, applying existing products & technologies



An agenda for researchers to collaborate & shape the future

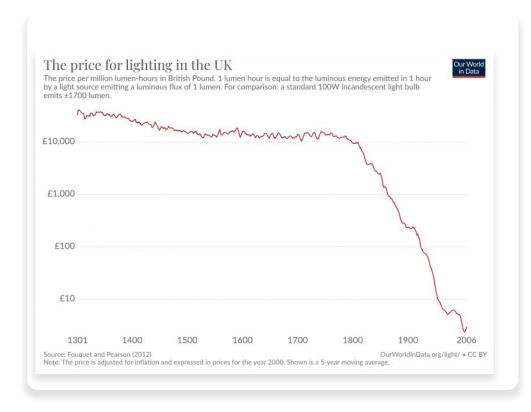


A guide to create policy that enables a Sustainable Digital Economy

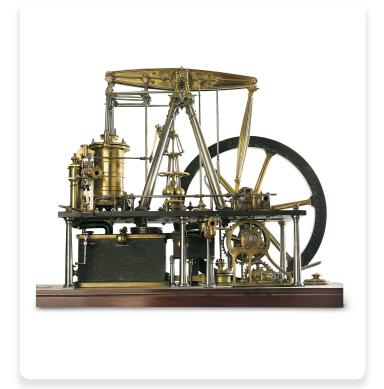


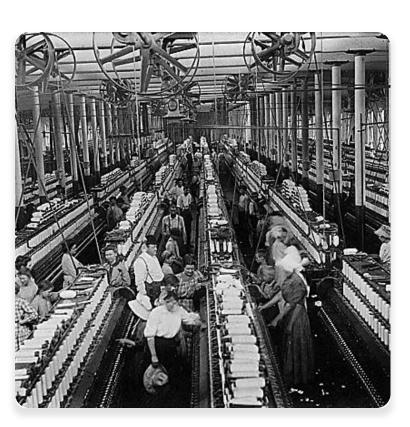


Coal & radical price reductions lead to the kick-start of the Industrial Revolution through the Steam Machine.









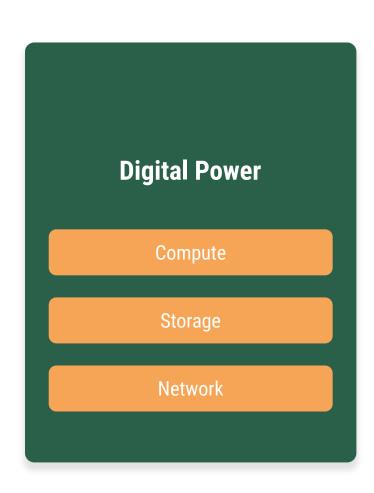
Price of lighting in the UK, indicative of the price of coal

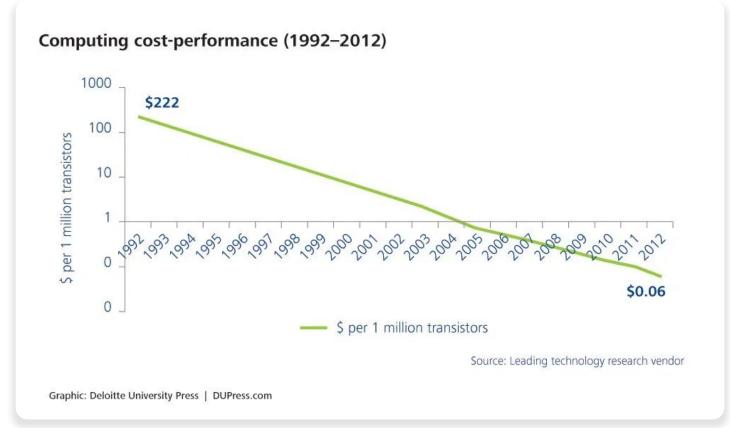
Steam Machine

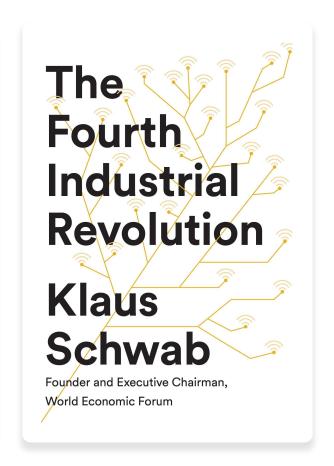
Industrial Revolution



Cheap and abundant Digital Power will trigger the Digital Industrial Revolution.

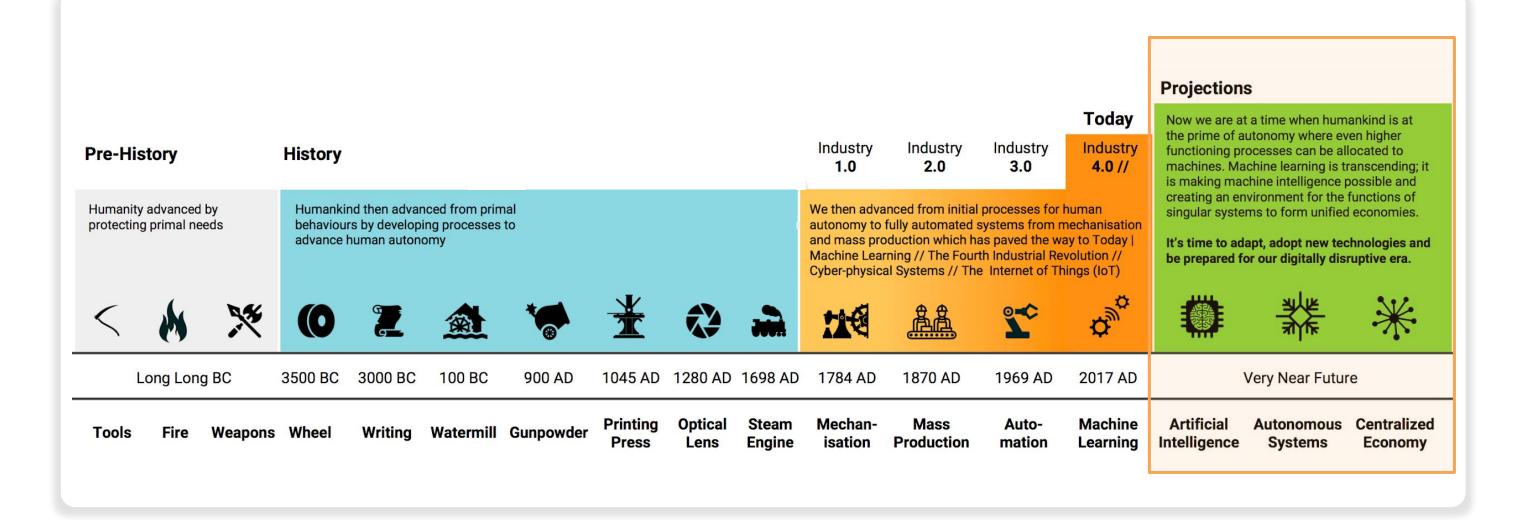








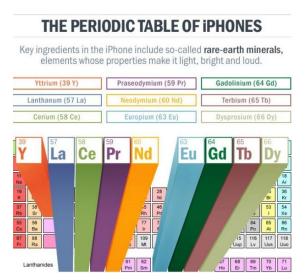
We are still at the beginning of it.





Imagine what it could mean if we succeed...

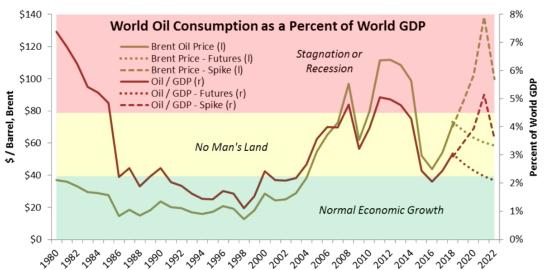
Rare Minerals





CO2-equivalents





Electronic Waste





Conclusion: Bringing together Digital Industries to enable partnerships and unlock value.



New business models for industries across the sector - Energy, Construction & IT

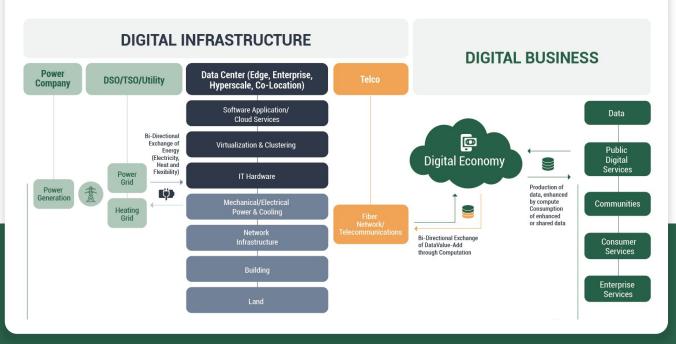


Creating the sector out of separate industries to enable collaboration.



The Roadmap as the Universal Language for the Digital Infrastructure sector.

Bringing together Digital Infrastructure industries together as a sector.





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Membership

Leaner Architecture/Design for Software

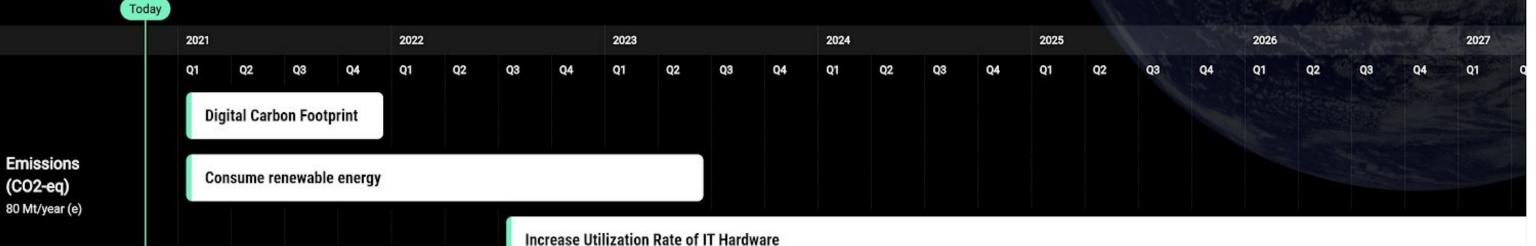
Roadmap

News & Press

The Roadmap to Sustainable Digital Infrastructure by 2030

To reach our Sustainability Goals by 2030 we need to systematically embed sustainability across the sector. This roadmap enables every industrial actor to connect, benchmark and deliver sustainability within their segment of Digital Infrastructure value chain. Through the universal reporting regimen, and the industry led action plan, the roadmap is simultaneously the reporting vehicle, and the collaboration vehicle that will ensure we hit sustainable digital infrastructure by 2030.

Join the Roadmap











Mohan Gandhi

Head of Research & Policy

Email: mohan.gandhi@sdialliance.org

Phone: +44 7883 164932

Sustainable Digital Infrastructure Alliance e.V.

Colonnaden 5 20354 Hamburg Germany