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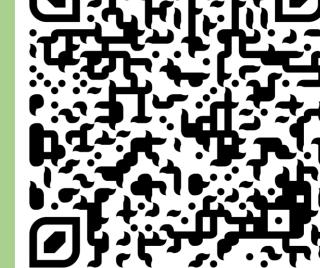




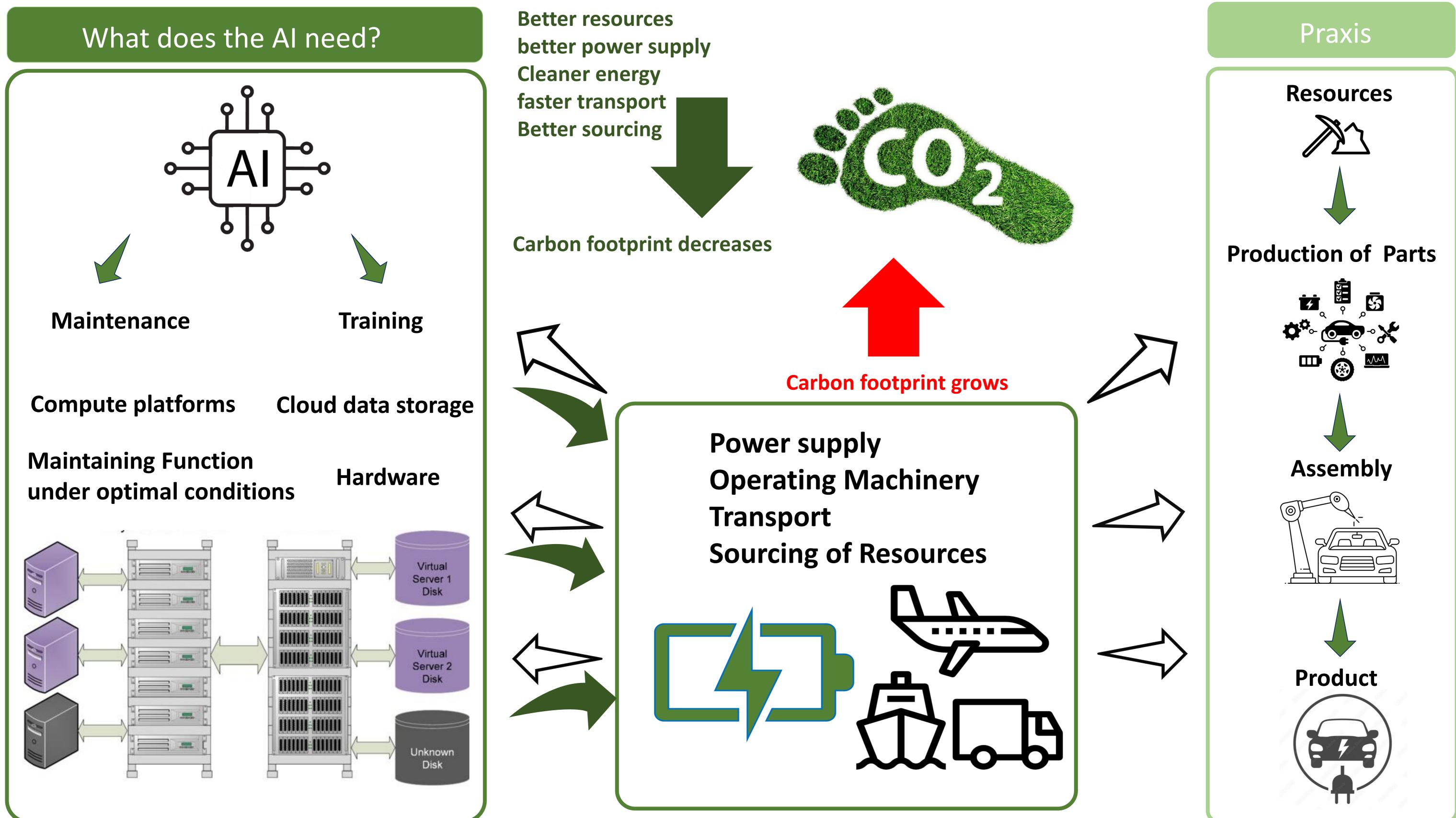


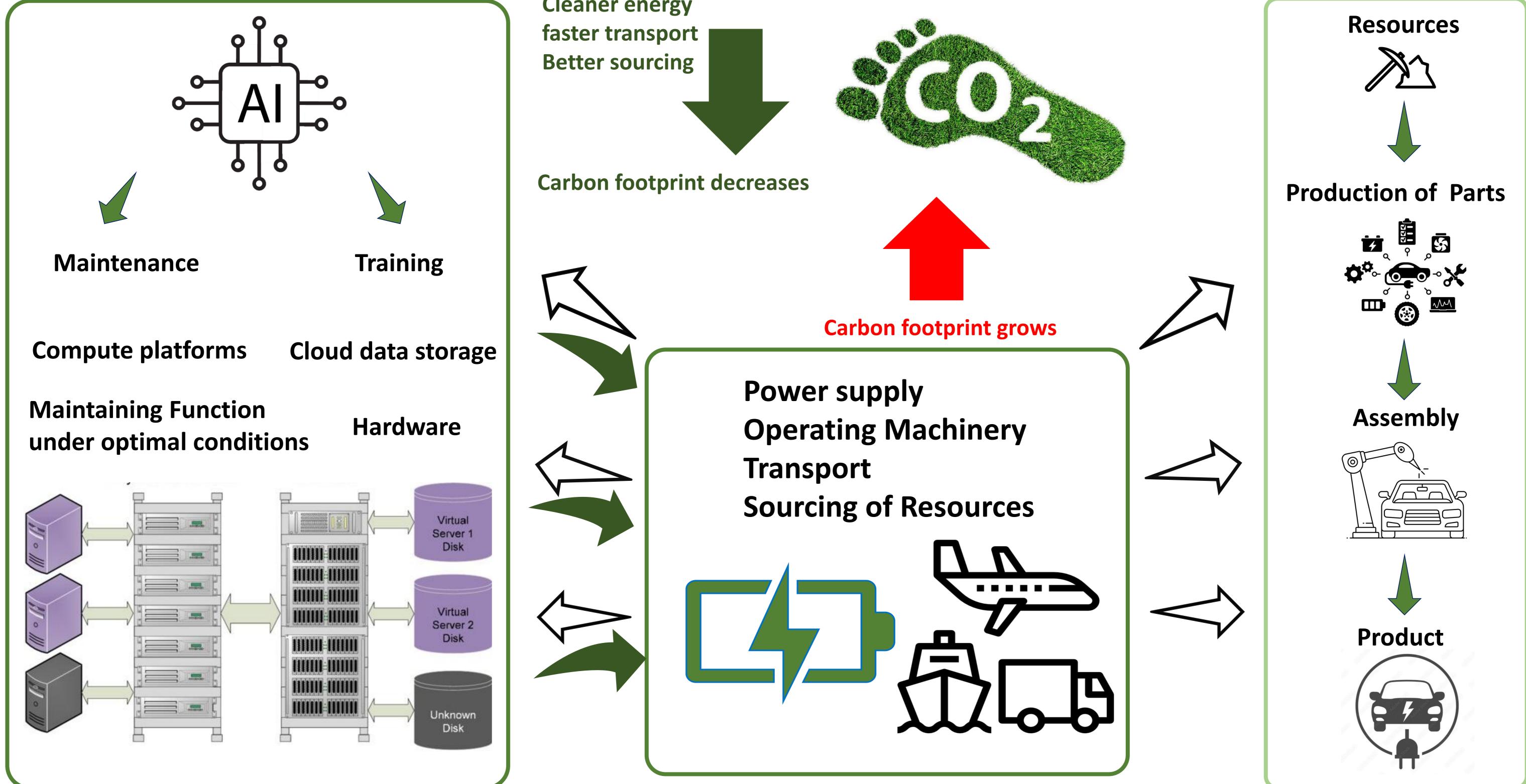
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The conflicting use of Al to reduce the carbon footprint

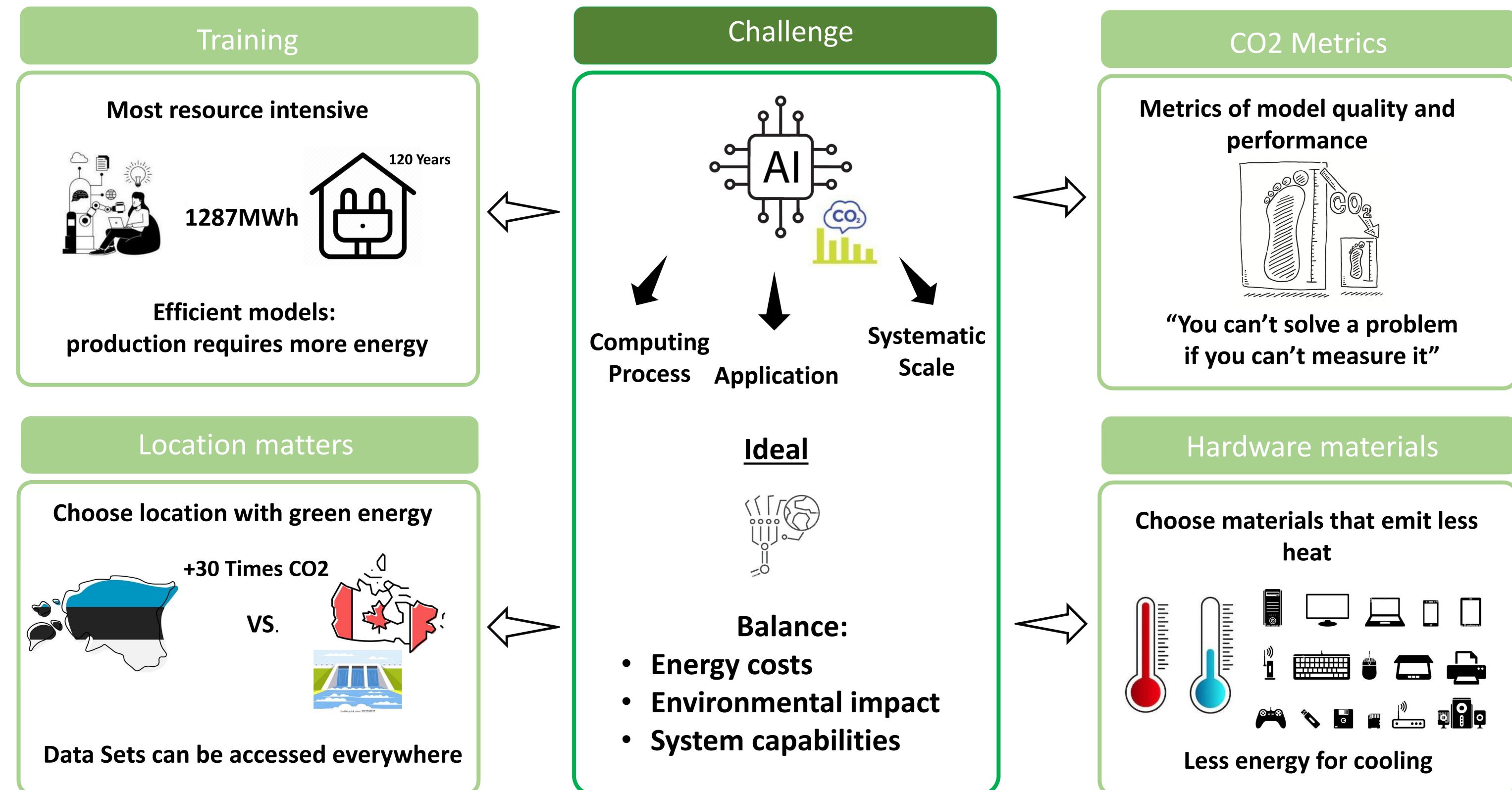


Training and housing an AI is important, but currently not carbon efficient!









Andrews, E. L. (2020). Al's Carbon Footprint Problem. Recovered on July 2023, from Human-Centered Artificial Intelligence: https://hai.stanford.edu/news/ais-carbon-footprint-problem Champion, Z. (2023). Optimization could cut the carbon footprint of AI training by up to 75%. Recovered on July 2023, from Michigan News: https://news.umich.edu/optimization-could-cut-the-carbon-footprint-of-ai-training-by-up-to-75/ Gibney, E. (2022). How to shrink AI's ballooning carbon footprint. Recovered on July 2023, from Nature: https://www.nature.com/articles/d41586-022-01983-7 atheson, R. (2020). Reducing the carbon footprint of artificial intelligence. Recovered on July 2023, from MIT News: https://news.mit.edu/2020/artificial-intelligence-ai-carbon-footprint-0423 Patterson, D. (2022). Reducing the carbon emissions of AI. Recovered on July 2023, from OECD.AI: https://oecd.ai/en/wonk/reducing-ai-carbon-ei Strubell, E., Ganesh, A., & McCallum, A. (2019). Energy and Policy Considerations for Deep Learning in NLP (arXiv:1906.02243). arXiv. http://arxiv.org/abs/1906.02243

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model can emit as much carbon as five cars in their lifetimes | MIT Technology Review. (n.d.). https://www.technologyreview.com/2019/06/06/239031/training-a-single-ai-model-can-emit-as-much-carbon-as-five-cars-in-their-lifetimes