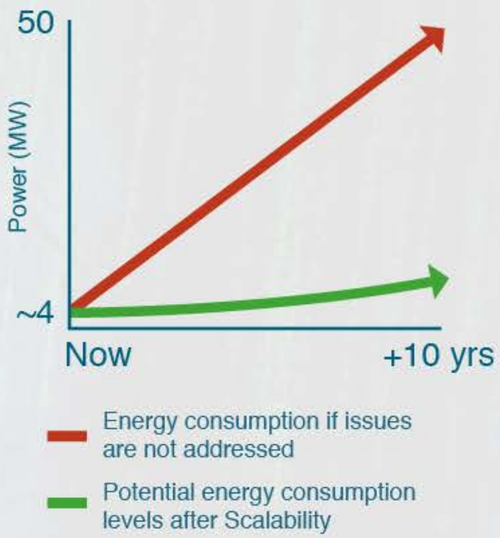
SCALABILITY – IMPROVING EFFICIENCY TO IMPROVE THE FORECAST

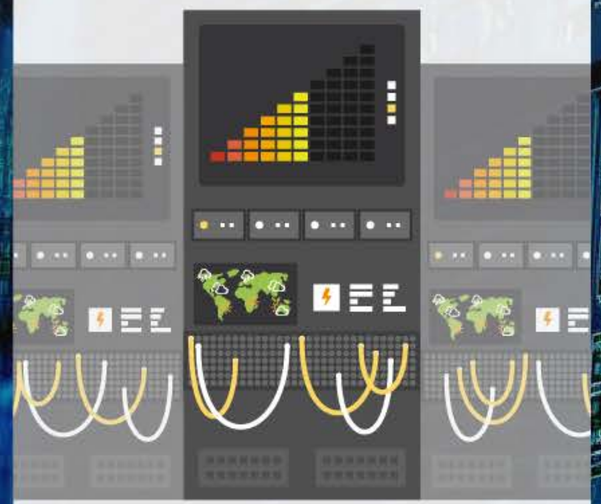
Using supercomputers to forecast the weather is increasingly energy intensive. Without Scalability, improvements could soon become unsustainable.

Improving the weather forecast requires more data and more complex calculations



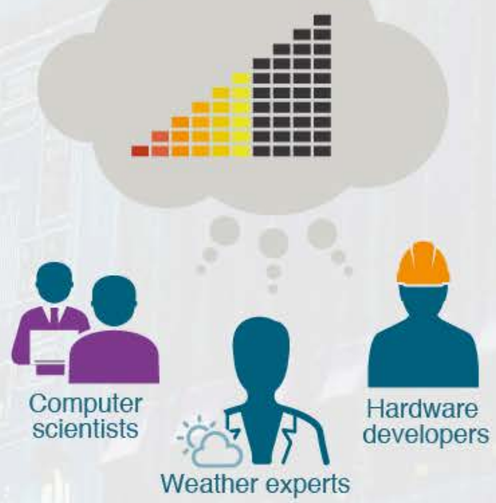
Unless we use future supercomputers more efficiently, energy consumption and costs will run away.

Using all of our supercomputing potential and future science upgrades can help increase efficiency



We must adapt our weather forecasting model and computer code to get the most out of our systems, however they evolve.

Scalability brings together top thinkers to tackle these efficiency challenges



It will improve the forecast model and how data is processed and make the best use of hardware upgrades.

It could increase efficiency tenfold

This means in the future we can predict the weather more accurately further in advance at a sustainable cost.

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