Sustainability-Aware Software Architecting for the Future Cloud: the SustainableCloud project

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Background

› Sustainability as a multidimensional concern [Lago et al. 2015]

› Project scope: SaaS providers
The SAAFramework in a nutshell

Andrikopoulos and Lago (2021) “Software Sustainability in the Age of Everything as a Service” (LNTCS, volume 12521), Springer
Main propositions

1. To use SAAF to create *self-sustaining systems* that deliver sustainability *across all dimensions*

2. Achieve this by *indicators* being a positive feedback loop

3. Adopt different research methods to collect evidence on the above