



Cloud Stack to develop Green Software that takes care of Energy Efficiency & Carbon Footprint at software, platform and infrastructure layers.



OBJECTIVES:

Extend the existing development models for green and efficient software design, supporting sustainability and high quality of service during execution.

Develop and evaluate a framework with identified energy efficiency parameters and metrics for cloud services.

Develop methods to measure, analyse and evaluate energy consumption in software development and execution.

Enable Self-Adaptation of Cloud Services for reducing energy use and thermal footprint.

Integrate energy and quality efficiency into service construction, deployment and operation leading to an Energy Efficiency Embedded Service Lifecycle.



Engineering Greener Clouds



RESULTS:

Implementation of a Cloud stack providing energy efficiency at software, platform and infrastructure layer.

