

Sustainable Green Information and Communication Technology Strategy

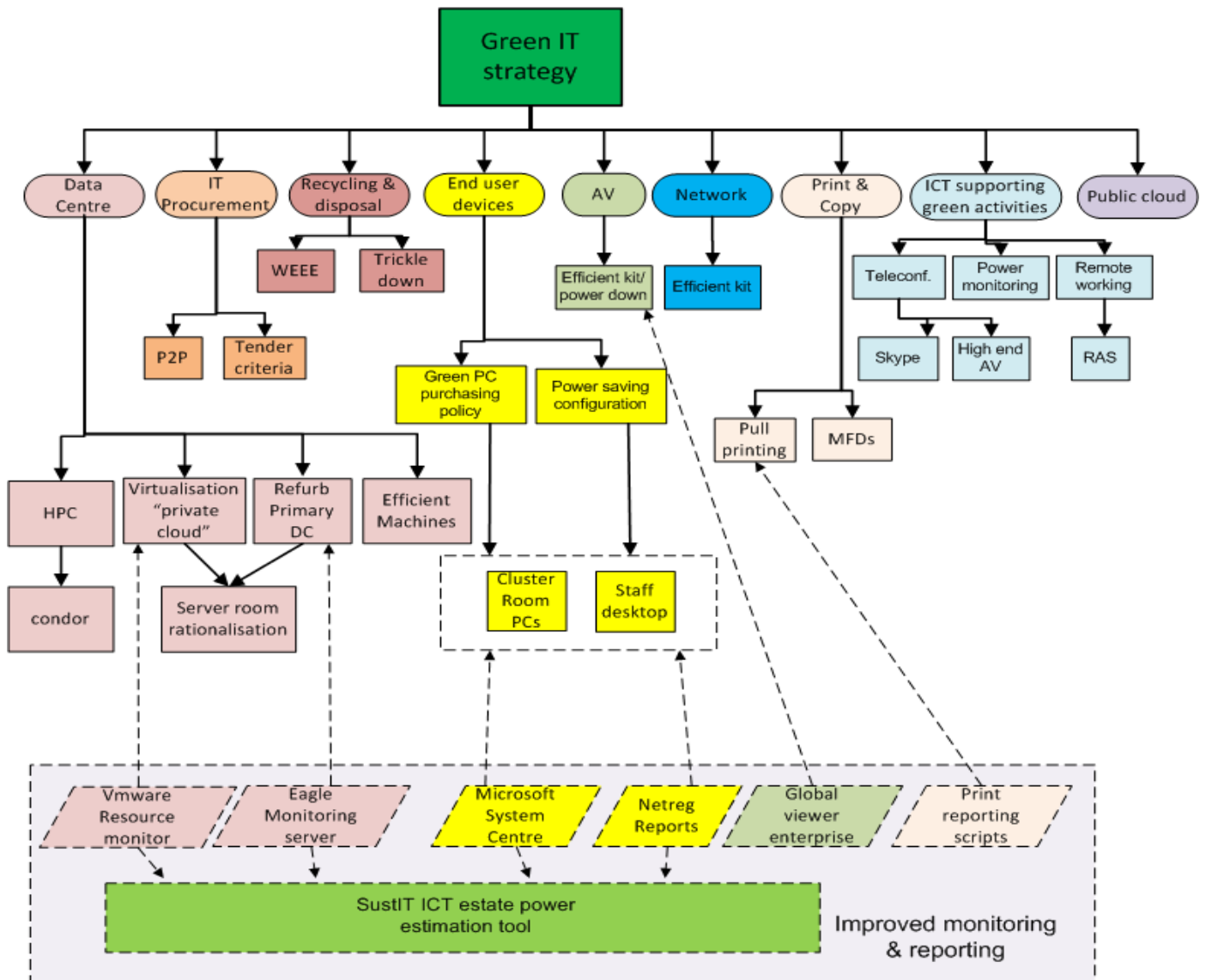
The overarching University Green ICT Strategy is to take appropriate measures to reduce power consumption and ensure that it is effectively managed. The following strategic activities/policies will be pursued:

1. ISS will enhance current outreach campaigns and awareness-raising to ensure that Green ICT considerations are embedded into management and procurement of the ICT estate.
2. ISS will act as a reporting hub to ensure that Green ICT initiatives are reported to the appropriate University body.
3. All plans for new or refurbished server hosting facilities outside the Claremont Data Centre must be reviewed by ISS and ESS who will make a recommendation to the PVC Planning and Resources.
4. Organise procurement workshops with ISS, Procurement Services and academic/service unit Computing Officers to highlight the need to embed green considerations in the procurement process.
5. ISS will work with Procurement Services on changes to the University Purchasing Procedures to require purchasers to seek approval from ISS in advance of any desktop/laptop equipment purchase that does not meet the Green ICT specification.
6. Limit the expansion in the number of devices (primarily PCs/laptops) and monitors via a default policy of one device per person with one monitor per device (exceptions will be permitted when there is a clear business need).
7. Use increased reporting capability to identify priority areas and focus Green ICT initiatives where they will achieve most impact, in particular desktop/laptop, network, and server provision:
 - 1) Working with academic/service unit Computing Officers deploy and utilise Microsoft System Centre Configuration Manager to report on the number of desktops/laptops remaining powered-on overnight. Such reporting will be used to inform a reduction in overnight usage of 50% by end of AY 2011/12;
 - 2) In collaboration with the Energy Manager, test the suitability and eligibility for Salix funding to replace less power efficient network edge equipment by end November 2011;
 - 3) Work with the Schools of Computing Science and Civil Engineering and Geosciences to migrate current School based server hosting to ISS hosted services and/or servers in the Claremont Data Centre. Stage one of the School of Computing Science migration project will be completed by end February 2012 and will result in the closure of one server room.

The Green ICT Strategy is underpinned by a drive to acquire better management information to measure the benefits of green initiatives and to shape future green ICT strategies.

*Cal Racey,
20th October 2011*

Summary of Green ICT initiatives and increased reporting capability



The Network registration system (netreg) and print reporting scripts have been historically used for monitoring . Microsoft System Centre is being investigated for reporting capability. Eagle Monitoring Kit and VMware Resource Monitor are both tools that have just been purchase that will improve energy monitoring (they also fulfil other functions)