

Infrastructure working group

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Roadmaps, policy documents, state-of-practice
surveys, white papers, manifestos, and
tutorials/demonstrators

+ Proposals!

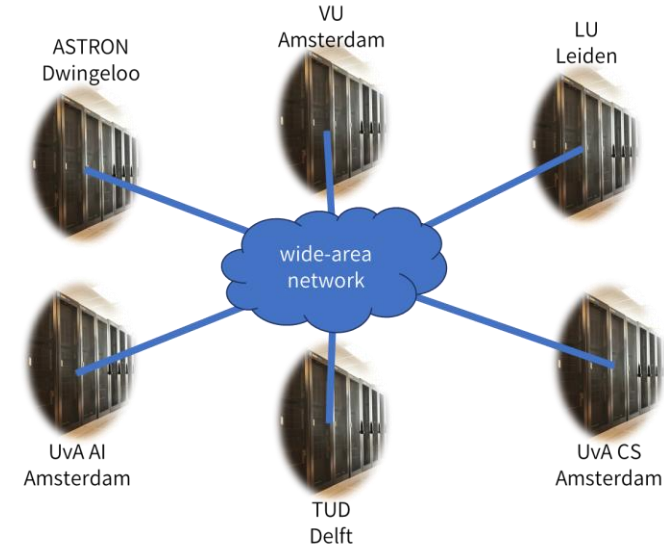
Scale

Right tools for our research?

USP for Duch CompSys community

International collaborations (e.g., Slices)

DAS-6: the Distributed ASCI Supercomputer



System	Year	Research focus	Defining features
DAS-1	1997	Wide-area computing	Homogeneous hardware and software, dedicated ATM network
DAS-2	2002	Grid Computing	Globus middleware
DAS-3	2006	Optical grids	Photonically switched 10 Gb/s links between all sites
DAS-4	2010	Clouds, heterogeneity, green IT	Hardware virtualization, accelerators, energy measurements
DAS-5	2015	Harnessing diversity, data explosion	Wide variety of accelerators, larger memories and disks, Software Defined Networking
DAS-6	2021	Security, big data, IoT, accelerators, deep learning, eScience	Dedicated environment for computer systems research