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## GENIE Trainer: Climate Modelling Portal

Dr Steven Newhouse, Technical Director  
London e-Science Centre

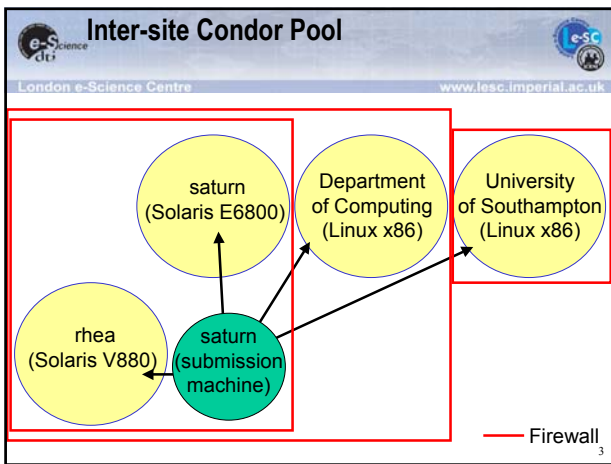
Department of Computing, Imperial College London

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## Progress to Date

- Achievements:
  - Cross-site Condor pool
  - Portal to support ESM simulation
  - Delivering new science through e-science
  - Participation in UK e-Science Grid
- e-Science Research Staff:
  - LeSC: Murtaza Gulamali & Marko Krznaric
  - SeSC: Andrew Price (Just Started)

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## e-Science Portal at Imperial College (EPIC)

- EPIC: Centre project
- Leverage for GENIE Trainer portal

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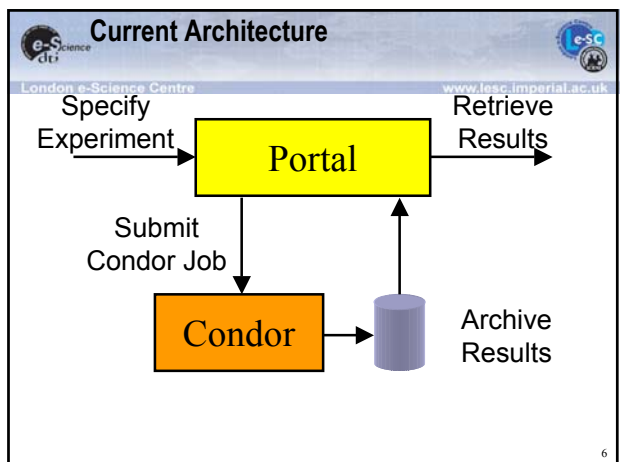
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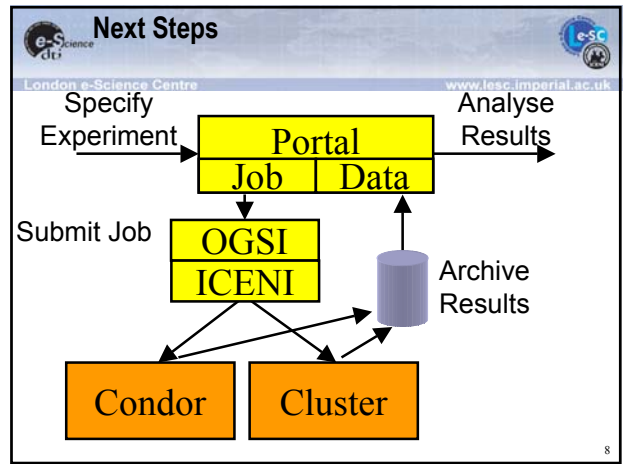
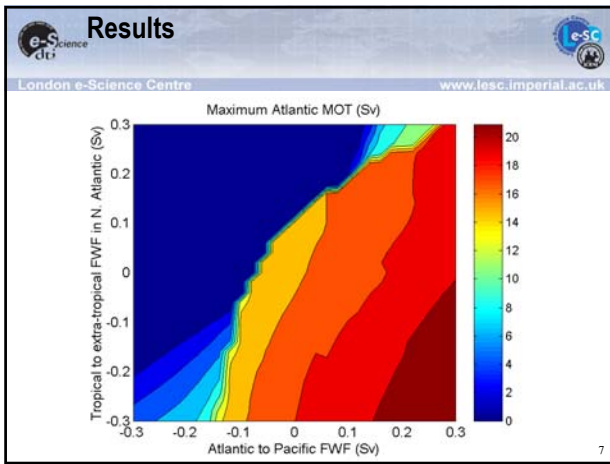
## Parameter exploration to investigate ESM sensitivity

- For an experiment
  - Create
  - Monitor
  - Stop
  - Retrieve results

Parameter	Value	Output file
lat	0	lat
lon	0	lon
res	128	res
time	1000	time
type	esm	type
year	2000	year
year2	2010	year2
year3	2020	year3
year4	2030	year4
year5	2040	year5
year6	2050	year6
year7	2060	year7
year8	2070	year8
year9	2080	year9
year10	2090	year10
year11	2100	year11
year12	2110	year12
year13	2120	year13
year14	2130	year14
year15	2140	year15
year16	2150	year16
year17	2160	year17
year18	2170	year18
year19	2180	year19
year20	2190	year20
year21	2200	year21
year22	2210	year22
year23	2220	year23
year24	2230	year24
year25	2240	year25
year26	2250	year26
year27	2260	year27
year28	2270	year28
year29	2280	year29
year30	2290	year30
year31	2300	year31
year32	2310	year32
year33	2320	year33
year34	2330	year34
year35	2340	year35
year36	2350	year36
year37	2360	year37
year38	2370	year38
year39	2380	year39
year40	2390	year40
year41	2400	year41
year42	2410	year42
year43	2420	year43
year44	2430	year44
year45	2440	year45
year46	2450	year46
year47	2460	year47
year48	2470	year48
year49	2480	year49
year50	2490	year50
year51	2500	year51
year52	2510	year52
year53	2520	year53
year54	2530	year54
year55	2540	year55
year56	2550	year56
year57	2560	year57
year58	2570	year58
year59	2580	year59
year60	2590	year60
year61	2600	year61
year62	2610	year62
year63	2620	year63
year64	2630	year64
year65	2640	year65
year66	2650	year66
year67	2660	year67
year68	2670	year68
year69	2680	year69
year70	2690	year70
year71	2700	year71
year72	2710	year72
year73	2720	year73
year74	2730	year74
year75	2740	year75
year76	2750	year76
year77	2760	year77
year78	2770	year78
year79	2780	year79
year80	2790	year80
year81	2800	year81
year82	2810	year82
year83	2820	year83
year84	2830	year84
year85	2840	year85
year86	2850	year86
year87	2860	year87
year88	2870	year88
year89	2880	year89
year90	2890	year90
year91	2900	year91
year92	2910	year92
year93	2920	year93
year94	2930	year94
year95	2940	year95
year96	2950	year96
year97	2960	year97
year98	2970	year98
year99	2980	year99
year100	2990	year100

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- ## Further Details
- London e-Science Centre [www.lesc.imperial.ac.uk](http://www.lesc.imperial.ac.uk)
- GENIE
    - <http://www.genie.ac.uk/>
  - ICENI Contact:
    - <http://www.lesc.ic.ac.uk/iceni>
    - e-mail: [iceni@ic.ac.uk](mailto:iceni@ic.ac.uk)
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