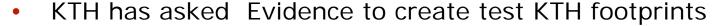
International research assessment revisited - A comparison between the research performance of KTH and selected UK universities



- Folke Snickars, Faculty Board, KTH
- Björn Marklund, Rector's Office, KTH
- Tom Letcher, Evidence Ltd, UK

KTH Research Performance Assessment Project

- Evidence Ltd has experience from UK RAE
- Interesting method to bench learn in research assessment
- Access to data in UK Higher Education Research Yearbook



- Comparison is with 10 selected UK universities as peers
- Aim is to be proactive concerning research assessment
- Bibliometrics foreseen as part of national funding system
- Methods and indicators for an internal allocation system
- Project may serve as model for School dialogues



Performance Indicators

- Research degrees Licentiate
- Research degrees PhD
- Research funding
 - -Government grants
 - -Research Council grants
 - -Government Agency grants
 - -Foundation grants
 - –Private sector grants
 - -EU

- Staff
 - -Professors
 - –Associate professors
 - -Research associates
 - -Senior and junior lecturers
 - -Research staff
 - -Funded doctorate students
- Bibliometrics
 - -Publications
 - –Rebased impact



Subjects for Assessment



- KTH
- Mathematics
- Chemistry
- Information Technology
- Engineering Physics
- Electrical Engineering, Electronics and Photonics
- Chemical Engineering
- Biotechnology
- Engineering Mechanics
- Material Science
- Civil Engineering and Architecture
- Engineering and Business management
- Environmental Engineering
- Urban Studies
- Engineering Science (other)

- UK HEA
- Mathematics
- Chemistry
- Computer Science
- Physics
- Electrical and Electronic Engineering
- Chemical Engineering
- Biological Science
- Mechanical Engineering
- Metallurgy and materials
- Civil Engineering
- Built environment
- Business and management Studies
- Environmental Science
- Town and Country Planning
- General Engineering

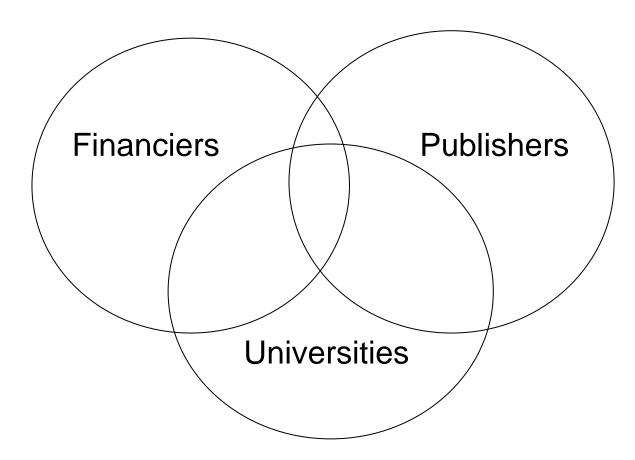
Background Data

- KTH Annual Report
- Data from Statistics Sweden (SCB)
- ISI Thomson University Publication Database 1996-2005
- UK RAE 2001-2004
 - Imperial College, Sheffield, Leeds, Southhampton,
 Birmingham, Manchester, Surrey, Edinburgh, Strathclyde,
 College London



Three Perspectives

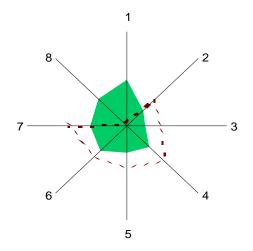




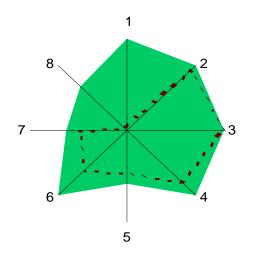
Physics vs *Engineering Physics* **KTH**



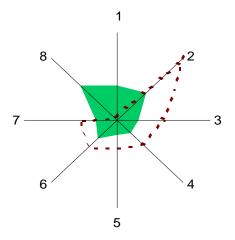
Total



Imperial Coll London



Univ Leeds



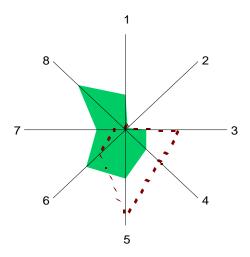
- 1 Research active staff
- 2 Research fellows
- 3 Research assistans
- 4 Research degrees (PhD)
- 5 Studentships
- 6 RGCI
- 7 Articles in ISI journals
- 8 Rebased Impact

Civil Engineering

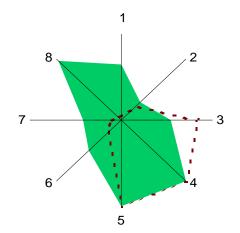
KTH



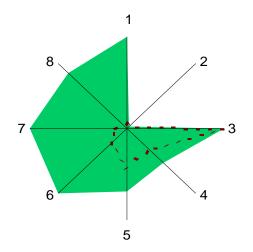
Total



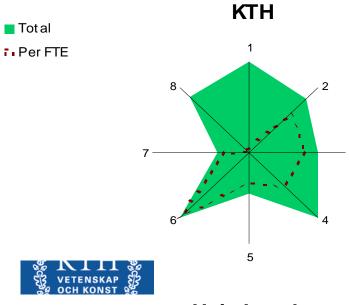
Univ Leeds



Imperial Coll London

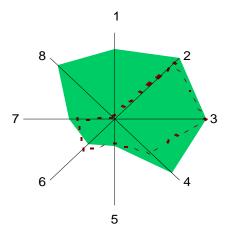


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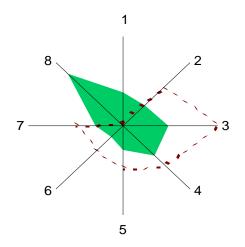


Imperial Coll London

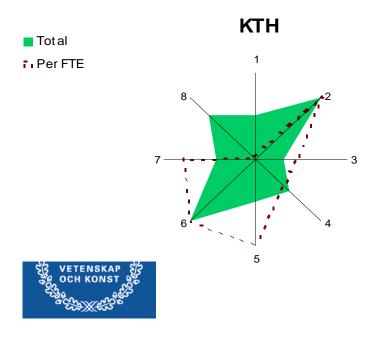
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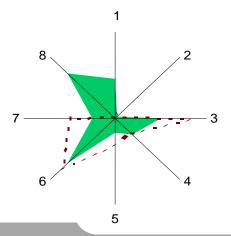
Univ Leeds



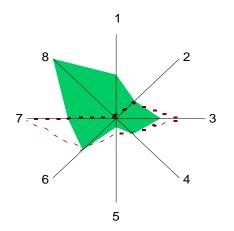
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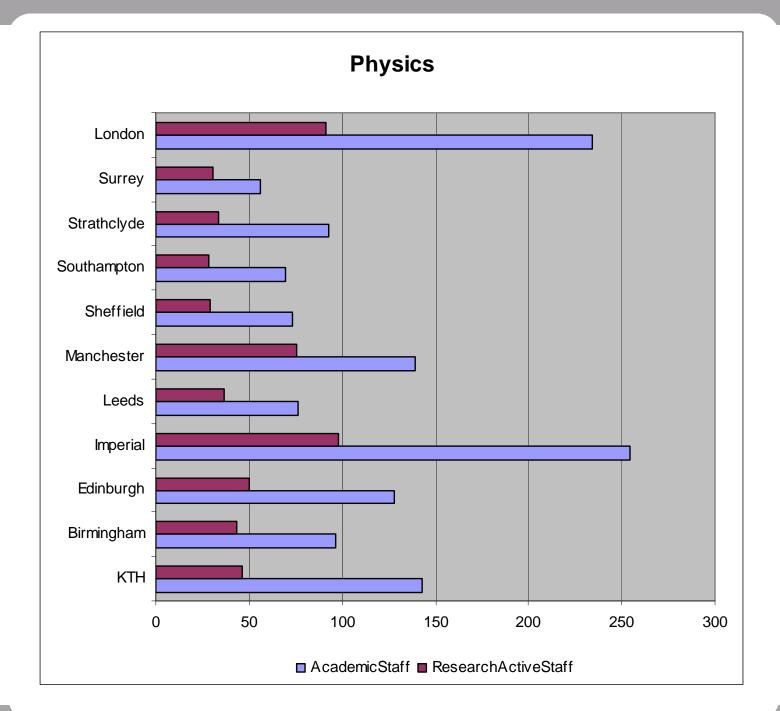




Imperial Coll London



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1,5

2,5

3

3,5

4

2

■ Yearly publications 2001-2005/R&D active staff 2004

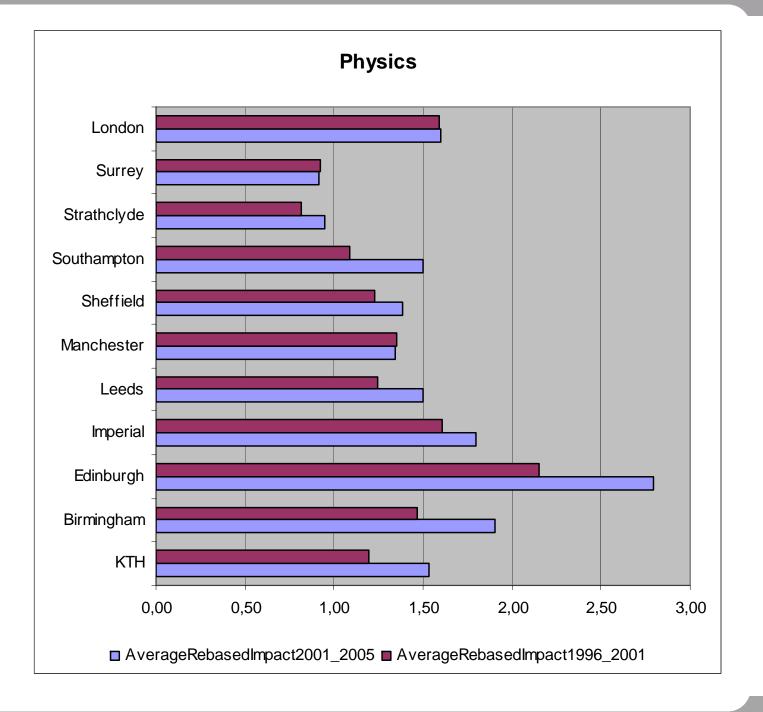
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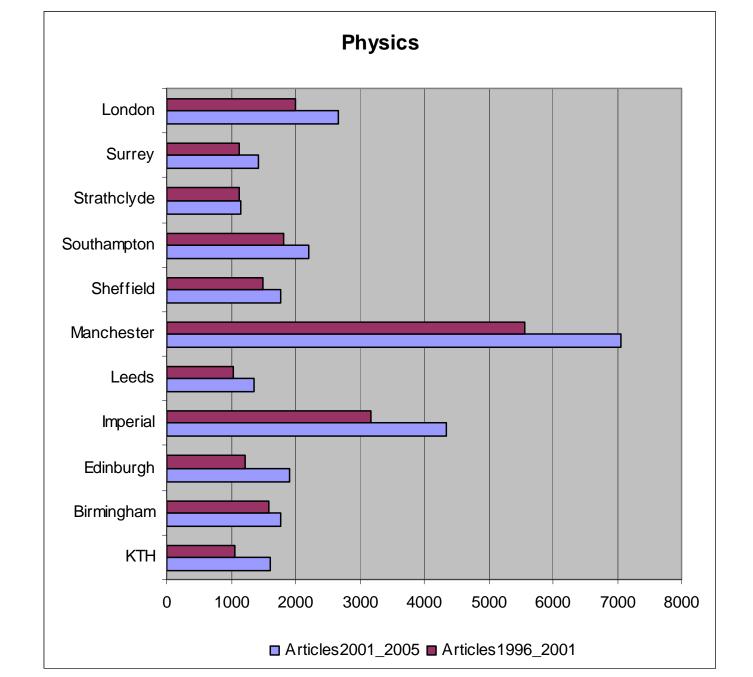
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Physics





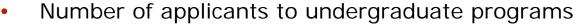






KTH School Indicators

- Number of applicants for academic positions
- Number of teachers with doctoral degree
- Number of female teachers



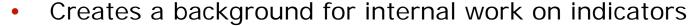
- Student's average grading of courses
- Throughput of undergraduate students after three semesters
- Inbound and outbound undergraduate exchange students
- Number of graduates holding a position after six months
- Study time for completing PhD degree
- Average impact value of publications
- Number of citations
- Research income from competitive funding agencies
- Income from commissioned research and education



Some Lessons Learned



- Comaprable data on staff and funding with difficulty
- Shows the need to be careful with information systems



- Shows the need to be knowledgeable in the subject areas
- KTH present in broad range of subjects
- KTH shows particular strength in core engineering fields
- KTH publication performance varies over time
- KTH exhibits same level of productivity as UK peers
- Productivity varies substantially across universities in field

