

OAI5 Tutorial

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# Advocacy and Policy Issues Tutorial

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# Tutorial Outline

- Presentation – Developing an advocacy campaign
- Group work – preparation of an advocacy presentation
- Break
- Group feedback and discussion
- Presentation: Policy issues
- Questions

# Repository development at Glasgow

- DAEDALUS Project 2002-2005
- Project set out to build a collection of institutional repositories at the University of Glasgow
- Two strands
  - Advocacy
  - Service Development
- Project developed into Enlighten: University of Glasgow's institutional repository service

# Glasgow Repositories

Enlighten (<http://www.gla.ac.uk/enlighten>) includes:

- Glasgow ePrints Service: published peer-reviewed papers, conference proceedings & papers, books, book chapters (<http://eprints.gla.ac.uk>)
- DSpace: pre-prints, theses, grey literature, technical reports, working papers (<https://dspace.gla.ac.uk>)



# Recent developments at Glasgow

- University statement on open access
- Launch of Enlighten
- Appointment of permanent repository staff
- Mandate for deposit of electronic theses
- Increase in amount of content in repository
- Growing interest from variety of departments
- Particular interest from those departments affected by funders OA policies

# Advocacy Activities

- Wide range of activities: presentations, events, e-mail list, newsletter articles, publicity material, targeted approaches
- Top-down and bottom-up
- Resource intensive
- Involved repetition and reinforcement – iterative process
- Advocacy campaign guidelines & advice: <https://dspace.gla.ac.uk/handle/1905/377>

# Author reactions

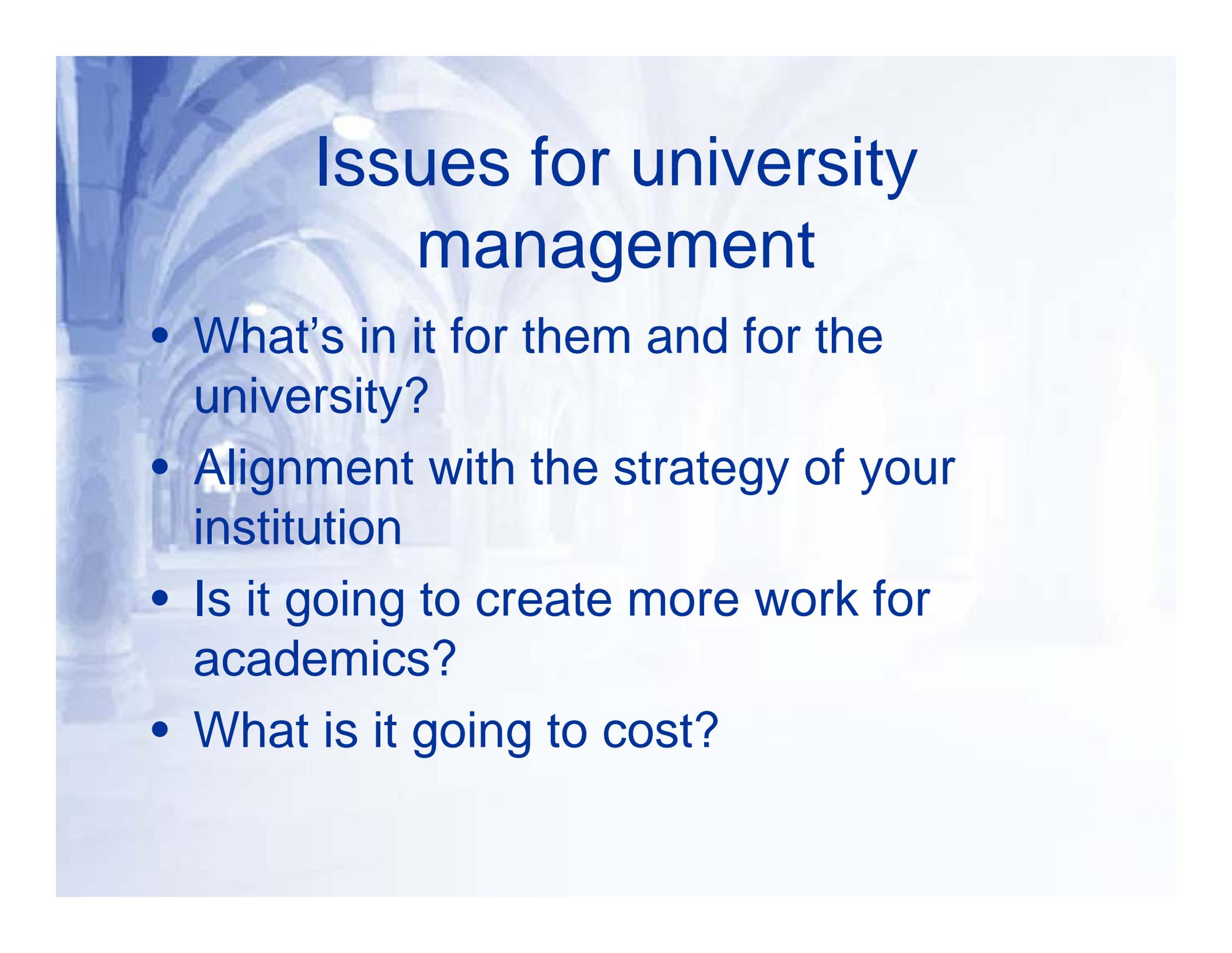
- Interested, but not wildly enthusiastic
- A lot of confusion over open access and what it means for them
- Happy to participate if someone else does the work (and copyright checking)
- Concerned about funding body/research body OA policy implications

# Issues for academics

- Why should they bother depositing?
- Potential for copyright infringement
- Confusion between OA journals and OA repositories
- Concern about the possible collapse of the current publishing system (particularly peer review) and the possible impact, especially on small society publishers
- How will people find material in repositories?

# Copyright issues

- Academics fear that they may be breaking copyright agreements by publishing
- Academics often do not have the time/inclination to check if they are permitted to deposit a paper
- Complications of interpreting agreements



# Issues for university management

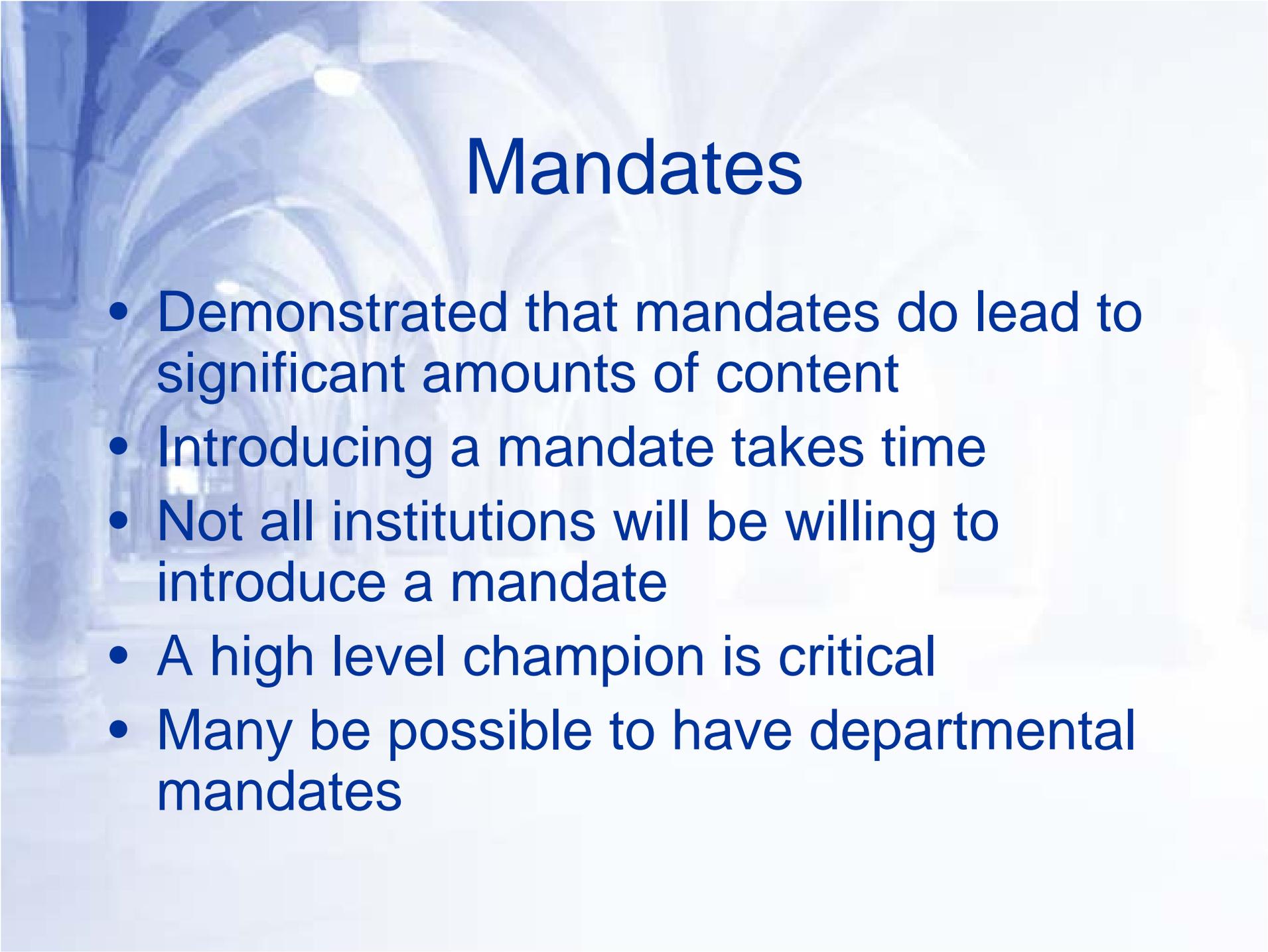
- What's in it for them and for the university?
- Alignment with the strategy of your institution
- Is it going to create more work for academics?
- What is it going to cost?

# Practical ideas for getting content

- Look for authors who already make full text available on personal sites
- Choose journals that allow the publisher pdf to be used – contact the academics and seek permission to add the content
- Seek out open access enthusiasts (previously called ‘early adopters’)

# Positive persuasive tactics

- Usage statistics
- Citations
- Visibility in search engines such as Google and Yahoo



# Mandates

- Demonstrated that mandates do lead to significant amounts of content
- Introducing a mandate takes time
- Not all institutions will be willing to introduce a mandate
- A high level champion is critical
- Many be possible to have departmental mandates

# Key Success Factors

- Journals crisis not an issue for most academics
- Support of heads of departments/schools or key academics helps
- Deposit does not require lots of additional work
- Repository staff will check/advise on copyright
- Authors can see key benefits

# Usage statistics for Enlighten

- >410,000 pdf downloads since repository was launched (and growing daily)
- >20,000 overall downloads of full text article per month
- Top item downloaded over 17,000 times
- Top ten items all downloaded over 2,300 times



# Funding bodies and open access

- Mandates by funding bodies/research councils
- Impact of such moves – more content for repositories, but potential confusion for authors?
- How to make best use of funder mandates

# Current state of flux...

- Uncertain how things will develop
- Advocacy should be easier for those beginning now
- Pace of change rapid
- Advocacy will inevitably involve guidance and reassurance as well as persuasion

A blue-tinted photograph of a long, vaulted hallway with a series of arches receding into the distance. The perspective is from the left side of the hallway, looking down its length. The arches are supported by columns, and the floor is made of stone tiles. The lighting is soft, with some recessed lights visible in the ceiling. The overall atmosphere is serene and architectural.

# Group work

# Presentations

## Management:

- What is open access and what are repositories?
- What are the benefits for the University of developing a repository? Why should management support it?
- What do you want management to do?

## Authors:

- What is open access and what are repositories?
- What are the benefits for authors of repositories? Why should they bother?
- What are the issues likely to be raised that you need to address?

# Practicalities

- Discuss in your groups
- Prepare around 5 slides to present to your chosen audience (plus accompanying notes if useful)
- Treat this as if you actually had to do this!
- Present the slides to the tutorial as a whole, or explain your thinking and why you included what you did

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# Policy issues for repositories

# Full text only?

- Open access is about full text
- Sometimes it is not possible to get full text
- Variety of reasons/pressures for accepting metadata only on some occasions
- Linking to other repositories may be sensible in some cases

# Deposit options

- Self-deposit?
- Mediated deposit only?
- Third party deposit?
- A combination?
- Implications – quality and resource

# Policies: users

- Who can deposit?
- Can authors ask for material to be removed?
- Will depositors sign a deposit agreement/license?
- Policy for end users too

# Repository policies: content

- What type of material can be deposited?
- What will you do about embargoed content?
- Back catalogues/retrospective content



# Policies: metadata

- What will be the minimum acceptable metadata for self-deposit?
- What metadata will be added by repository staff?

## Online identification and nonlinear control of the electrically stimulated quadriceps muscle

Schauer, T. and Negård, N. -O. and Previdi, F. and Hunt, K. J. and Fraser, M. H. and Ferchland, E. and Raisch, J. (2005) Online identification and nonlinear control of the electrically stimulated quadriceps muscle. *Control Engineering Practice* 13(9):pp. 1207-1219.

Full text available as:



PDF - Requires [Adobe Acrobat Reader](#) or other PDF viewer.

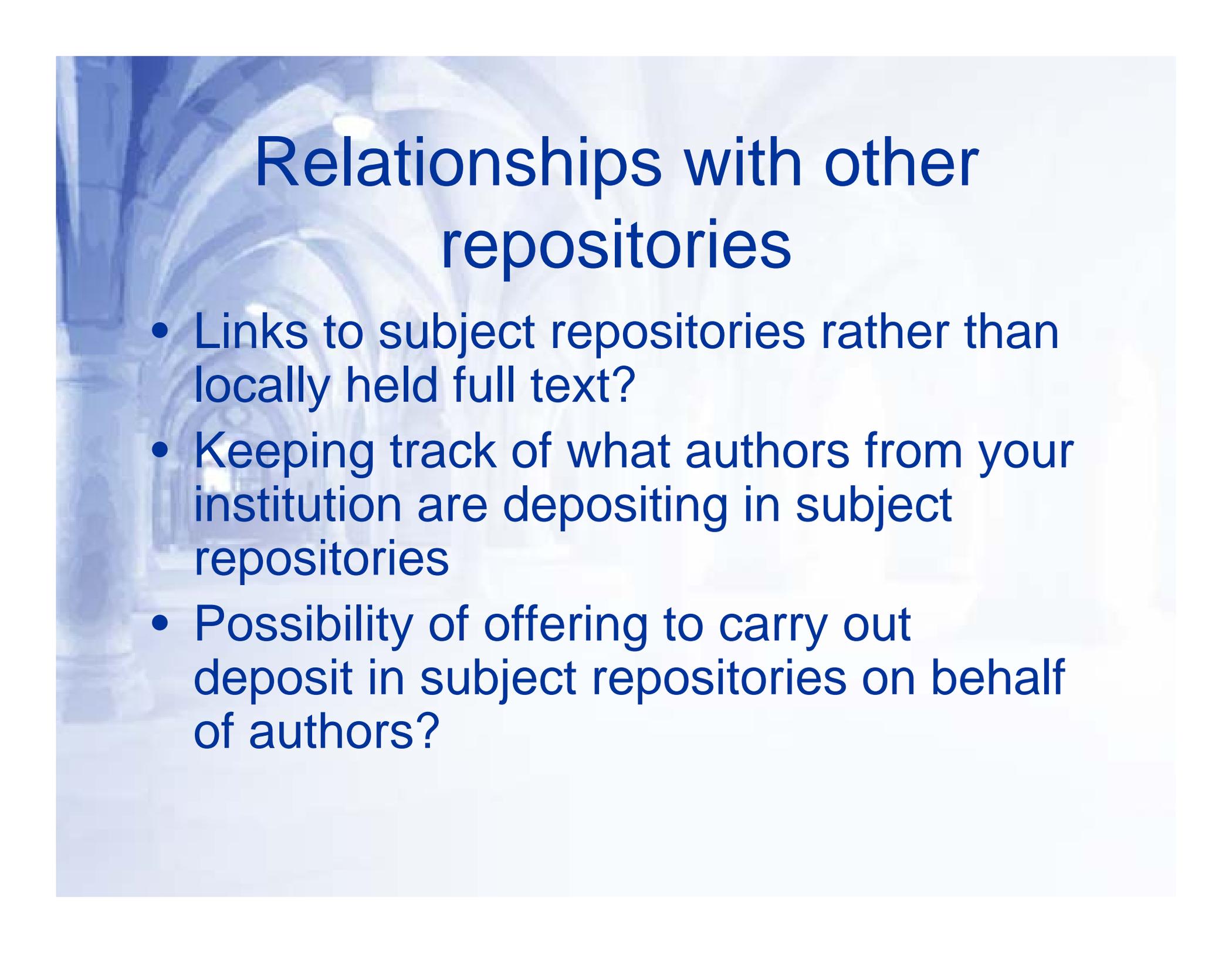
### Abstract

A new approach for estimating nonlinear models of the electrically stimulated quadriceps muscle group under nonisometric conditions is investigated. The model can be used for designing controlled neuro-prostheses. In order to identify the muscle dynamics (stimulation pulsewidth-active knee moment relation) from discrete-time angle measurements only, a hybrid model structure is postulated for the shank-quadriceps dynamics. The model consists of a relatively well known time-invariant passive component and an uncertain time-variant active component. Rigid body dynamics, described by the Equation of Motion (EoM), and passive joint properties form the time-invariant part. The actuator, i.e. the electrically stimulated muscle group, represents the uncertain time-varying section. A recursive algorithm is outlined for identifying online the stimulated quadriceps muscle group. The algorithm requires EoM and passive joint characteristics to be known a priori. The muscle dynamics represent the product of a continuous-time nonlinear activation dynamics and a nonlinear static contraction function described by a Normalised Radial Basis Function (NRBF) network which has knee-joint angle and angular velocity as input arguments. An Extended Kalman Filter (EKF) approach is chosen to estimate muscle dynamics parameters and to obtain full state estimates of the shank-quadriceps dynamics simultaneously. The latter is important for implementing state feedback controllers. A nonlinear state feedback controller using the backstepping method is explicitly designed whereas the model was identified a priori using the developed identification procedure.

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<b>Deposited On:</b>	29 March 2007

# Mandates: implications

- Introduction of an institutional mandate is a major policy decision
- Big implications if mediated deposit is to be offered – will you be able to cope?
- How will a mandate deal with authors who already deposit in a subject repository?



# Relationships with other repositories

- Links to subject repositories rather than locally held full text?
- Keeping track of what authors from your institution are depositing in subject repositories
- Possibility of offering to carry out deposit in subject repositories on behalf of authors?

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Questions?