OAE: WHAT LIES AHEAD

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OAE: WHAT LIES AHEAD

SUMMARY

- Ongoing developments
- Planned developments
  - Short-term
  - Medium-term
  - Long-term
- Q&A
ONGOING DEVELOPMENTS
WHAT WE'VE BEEN UP TO LATELY

- **User facing**
  - Link sharing mechanism
  - Search and filtering improvements

- **Non user-facing**
  - Speed and robustness
  - Dependencies & security upgrades
1. UserX in tenancy A creates content
2. UserX shares content by copy-pasting the URL to UserY in tenancy B
3. UserY gets ACCESS DENIED
4. UserY tries to access the content via his tenancy B
LINK SHARING MECHANISM – THE SOLUTION
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SEARCH & FILTERING IMPROVEMENTS – THE PROBLEM

- OAE relies heavily on searching for content
- Search can be inefficient at times:
  - Different types of content (filtering)
  - Content within my library Vs public content
  - Insufficient sorting options
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SEARCH & FILTERING IMPROVEMENTS – THE SOLUTION
PLANNED DEVELOPMENTS
SHORT-TERM
WHAT IS STENCILA?

- "The office suite for reproducible research"
- Documents
- Spreadsheets
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PLANNED DEVELOPMENTS - SHORT TERM

- Stencila integration
- Stencila embedded in OAE
- Storage & permissions
- Real-time collaboration
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STENCILA DEMO

- Example of a document
- Example with code cells in other languages
MEDIUM-TERM
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PLANNED DEVELOPMENTS – MEDIUM TERM

- User facing
  - Library enhancements
    - https://research.unity.ac/content/gatech/E1KEhfqxI
  - Activity feed
    - https://research.unity.ac/content/gatech/r153rzBx

- Non User facing
  - Clear technical debt on the frontend
LONG-TERM
Ideas for the future include:

- Integrations:
  - DOI
  - ORCID
  - hypothe.is
  - BBB
- OAuth2 provider
- Complete redesign
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LONG TERM VISION: AN INTEGRATION PLATFORM
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LONG TERM VISION: AN INTEGRATION PLATFORM

OPEN APIS

OPEN SOURCE

PARTNERSHIPS
THANK YOU.

ANY QUESTIONS?