ARIA: Harmonising Access to Research Infrastructures (WP5)
• Research Infrastructures are organisations that enable research communities to use specific facilities, resources and services in order to accelerate scientific achievements and promote sustainable results
• Use of or “access to” the infrastructure is based on scientific excellence
• Peer-review is a popular method of ensuring scientific excellence
2015 SURVEY OF RESEARCH INFRASTRUCTURE FUNCTIONS

No of RIs performing specific functions

* responses from 10 participating infrastructures

- Service
- Access
- Review
- Dissemination
2015 SURVEY OF RESEARCH INFRASTRUCTURE FUNCTIONS

No of RIs performing specific functions

* responses from 10 participating infrastructures

Managed by ARIA

ARIO: Harmonising Access to Research Infrastructures
• AAI = Authentication and Authorisation Infrastructure
• Single identity (login) for each researcher
• Access can be granted to specific resources or datasets connected to the AAI depending on their identity
Applicant fills in a template pdf/word document form or a web form and emails this to the RI

RI staff collect completed forms

RI staff decide who to assign to review each proposal (**assisted by complicated spreadsheets**)

Some don’t respond – RI staff chase non-respondents and reassign reviewers if required

Reviewers return reviews by email

Decision made to accept or reject project on the basis of reviews

Notify applicant of result by email
Applicant fills in a template pdf/word document form or a web form and emails this to the RI

RI staff collect completed forms

RI staff decide who to assign to review each proposal (assisted by complicated spreadsheets)

Some don’t respond – RI staff chase non-respondents and reassign reviewers if required

Reviewers return reviews by email

Decision made to accept or reject project on the basis of reviews

Notify applicant of result by email

MANAGING PROPOSAL SUBMISSION – THE OLD FASHIONED WAY

• Insecure
• Prone to error
• Lots of manual steps
• Not scalable

ARIA: Harmonising Access to Research Infrastructures
• ARIA has evolved developed by a research infrastructure – for research infrastructures

• Software tools span a range of different areas of Research Infrastructure management
MANAGING PROPOSAL SUBMISSION IN ARIA

User selects services/technologies and access routes. A visit is generated for each service/technology selected.

Proposal form constructed from options specified for each access route selected and completed by user.

Proposal PI and team members added by user.

User completes and submits the proposal.

Access administrator for a selected access route assigns a moderator.

Moderator selects scientific reviewers.

Assigned reviewers complete their reviews.

Moderator actions proposal, approving or rejecting it.

Email Notifications and Custom Forms
Indicates weekly reminders or initiative custom form.

Proposal Details
Research Project Title
Scientific background, significance and objectives

PI confirmation request sent to PI
Access pre-notification sent to user

PI confirmation request sent to PI
Access pre-notification sent to user

Select Reviewers
Contact Information
View Proposal

Visit Confirmation
Msississippi Imaging Facility (MSIF)
Visit confirmation will occur post approval

User Details
Proposal Owner: Dr. Adams
PI: John Adams
Institute: University
Country: USA

Guidelines for Scientific Reviewers

AIA: Harmonising Access to Research Infrastructures

01/03/2020
PEER REVIEW – SIMPLE ONE-PAGE INTERFACE

Proposal Review Request
You are invited to review the proposal " (PID:) from .

If you are unable to review this proposal (e.g., lack of time, conflict of interest, lack of background knowledge), please choose the 'Decline Review' from the review page. If you choose to review this proposal, all information should be treated in strictest confidence.

This email is from Corbel powered by ARIA. ©2020
• Additional Access track
• Enforced selection of 2 RI
• Enhanced workflow
• Flexibility to select between tracks
Improved messaging integrated with email

- Keep all project-related communication in one central location
- Automatic cc of all relevant people
- Unlike email, message participants update when staff come and go so no history is lost
- Link to conversations from the proposal/visit management pages in ARIA to make conversations easy to find
- Reply direct from your email inbox and the message is added to the ARIA thread
- Protects email addresses from being shared by default

SINCE THE OPEN CALLS
• Visit management upgrades
  • Improved filtering and dashboard for visits
  • Single unified management for remote/physical access
  • Visits can have one or more sessions with fully customizable workflows
  • Integrated notebook for sessions (message thread)
  • Checkpoint-initiated scheduling
  • Customisable checkpoints
  • Per-session feedback (facility configurable)
  • Expenditure integration for tracking access cost items

SINCE THE OPEN CALLS
Driven by enhancements and increased customisability achieved by work in the CORBEL project, ARIA now supports access more research Infrastructures, projects, and facilities than ever before...

ARIA Access Cloud
Global Catalogue

Instruct-ERI
EU-OPENSCREEN
SCMI
ASSEMBLE+
More...
ACKNOWLEDGMENTS

ARIA Development team: Fiona Sanderson, Callum Smith, Markus Povey, Swapna Rekala, Natalie Haley, Denis Nemytov, Mark Reynolds
Work Package 4 (past and present): Frauke Leitner, Christian Popp, Marie Vidal, Sonja Hansen

Contact aria@instruct-eric.eu for any enquiries
Additional slides
Combination of Centres (locations) and Service Types (scientific field) = Research Infrastructure
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