

IRIS Data Access and Virtual Data Enclave Use Application

To access the IRIS data in the Virtual Data Enclave, researchers must complete and submit the following application to the IRIS Research Data Manager Natsuko Nicholls (email: hayashin@umich.edu).

Applications for access and use of the data enclave are reviewed by IRIS Enclave representatives to ensure that confidential information will not be compromised.

The researcher will be contacted if additional information is needed and should expect notification on their application status within two weeks. Upon approval, the researcher will be notified to sign the IRIS Restricted Data Use Agreement (DUA). Questions about this application procedure should be sent to IRISdatarequests@umich.edu.

Applicant Information

First Name		Last Name	
Job Title / Position			
Organization / Department			
Institution			
Street Address			
City		State	
Zip Code		Country	
Email		Phone	

Research Collaborator Information

Do you have collaborators in this proposed research project?

Yes No

If yes, how many collaborators do you have on your project team? (A 'collaborator' indicates someone to whom you would like IRIS to give permission to access data.)

Please provide information about your first collaborator.

First Name		Last Name	
Job Title / Position			
Organization / Department			
Institution			
Street Address			
City		State	
Zip Code		Country	
Email		Phone	

Please provide information about your second collaborator.

First Name		Last Name	
Job Title / Position			
Organization / Department			
Institution			
Street Address			
City		State	
Zip Code		Country	
Email		Phone	

Please provide information about your third collaborator.

First Name		Last Name	
Job Title / Position			
Organization / Department			
Institution			
Street Address			
City		State	
Zip Code		Country	
Email		Phone	

Please provide information about your fourth collaborator.

First Name		Last Name	
Job Title / Position			
Organization / Department			
Institution			
Street Address			
City		State	
Zip Code		Country	
Email		Phone	

If you have more than four collaborators in your project team, please include additional contact information in Appendix on the last page of application.

Description of Research

Research Title					
Research Location					
Funding sources					
Project start date:					
Month		Day		Year	
Estimated end date:					
Month		Day		Year	

Describe the project by highlighting objectives, hypotheses to test, and ongoing scholarly discourse that relate to your proposed study (no more than 500 words).

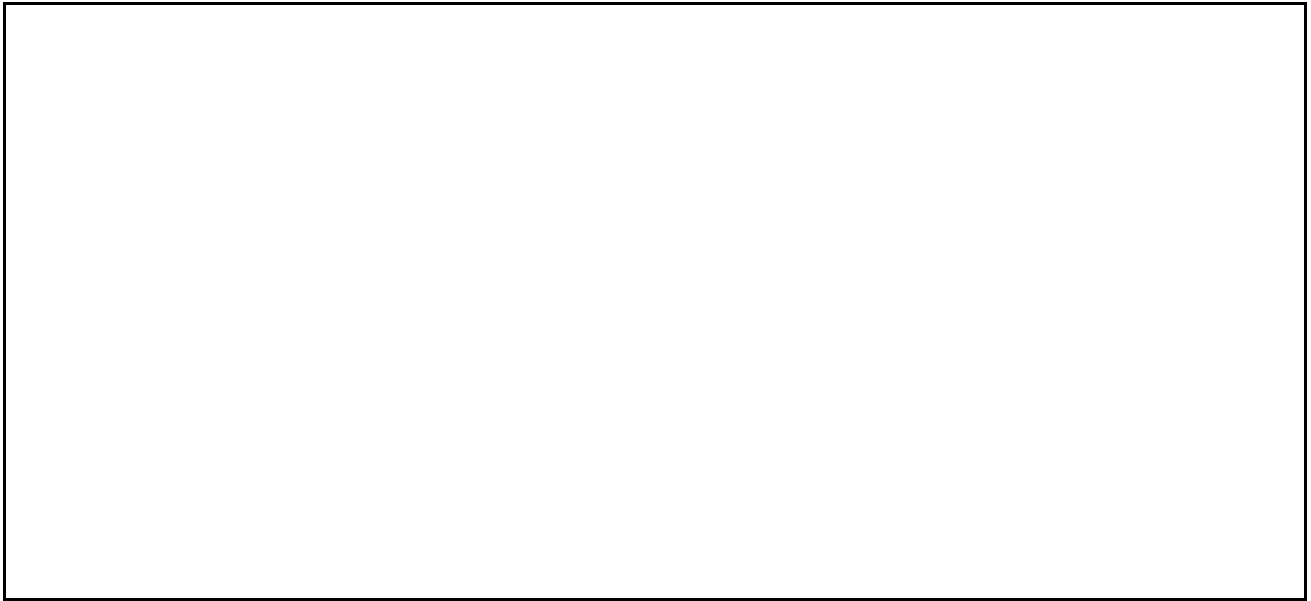
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Describe the proposed empirical analysis and expected results (no more than 300 words).

Scientific Benefit and Contribution

Describe potential scientific benefit and list relevant fields of this study.

Describe any potential this study may have for science policy and/or Higher Education Administration.

A large, empty rectangular box with a black border, intended for the user to describe the potential of the study for science policy and/or Higher Education Administration.

Describe how this study helps to improve training of researchers at one or more levels (postdoctoral, graduate, or undergraduate).

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Selection of Data Files

Please select the file you wish to access by checking the box.

Part 1: UMETRICS 2016 Q3a Core File Name and Description

Access Request	File Name	File Description
	Award Transaction	<p>This file includes all funded awards that IRIS member universities received during a given year. Awards include (but are not limited to): (1) Research-related i) Federal and ii) Non-federal grants, and; (2) Non-research related activities such as work-study programs. Each expense transaction is a monthly record. Any award that is referenced in the Employee, Vendor, or Subaward file should be present in this award file.</p>
	Employee Transaction	<p>This file includes university payroll transactions for employees paid on any of the sponsored projects in the Award file. Each expense transaction is a monthly record. While all individuals who charge time to federal or non-federal grants are included in the data, the unit of record is a payment to an individual on a grant in a pay-period. Thus, individuals routinely appear in multiple time periods, on multiple grants.</p>
	Vendor Transaction	<p>This file includes payments from universities to vendors for goods and services. Vendor transactions can include very small transactions, payments to individuals, and internal fund transfers between units as well as larger purchases from external organizations. These payment records should correspond to the awards that are reported in the Award file.</p> <p>The data could include repeated transactions with both positive and negative payment amounts. Also, data should be rolled up monthly (if there are 10 transactions for a specific vendor in one month those transactions should be summed together and reported as a single value).</p> <p>Vendor and Subaward records should be mutually exclusive. No record that appears in one file should appear in the other. If it does, it is considered as duplication of data.</p>
	Subaward Transaction	<p>This file includes University expenditure transactions of subawards and subcontracts paid on any award reported in the award file. Subaward payments are grouped by recipients.</p> <p>The data could include repeated transactions with both positive and negative payment amounts. Also, data should be rolled up monthly (if there are 10 transactions for a specific subawardee in one month those transactions should be summed together and reported as a single</p>

		value). Vendor and Subaward records should be mutually exclusive. No record that appears in one file should appear in the other. If it does, it is considered as duplication of data.
	Sub-organization Units	This file includes a list of sub-organization unit IDs and their names for each IRIS member institution. This should help to map sub-organization unit codes that appear in other files.
	Object Code	This file includes a list of different object codes assigned to all transactions. Each transaction that appears in Employee, Vendor, and Subaward files is assigned into a different object code (classification) in order to identify payment purposes or resources. Object codes are included at the discretion of member institutions.
	Institutional Fastfacts	This file contains information on nineteen (19) IRIS member universities, characterizing each institution by its regional location, student enrollment, highest degree, R&D expenditures, number of postdocs, number of PIs, etc. For de-identification purposes, this file was created by the IRIS Technical Team, retrieving information from different sources, including the NSF Higher Education R&D Survey (NSF HERD), the NSF-NIH Survey of Graduate Students & Postdoctorates in Science and Engineering, the Integrated Postsecondary Education Data System (IPEDS) Enrollment Survey via Webcaster, and the Carnegie Classification of Institutions of Higher Education website.

Part 2: UMETRICS 2016 Q3a Crosswalk File Name and Description

Access Request	File Name	File Description
	Comprehensive Award List	This file contains all awards that appear in Employee, Vendor, and Subaward Files. Ideally, each IRIS member institution should submit to IRIS an award file that includes all awards from other files, but some awards were missing from original files. Therefore, the IRIS Technical Team has compiled a comprehensive list of awards that appear in any relevant core file.
	NIH-NSF-USDA Award Number List	This file was compiled for the award crosswalk. This includes only award numbers from NIH, NSF, and USDA. Award numbers were taken from NIH, NSF, and USDA Award Details Files and used for award record linkage.
	NIH Award Details	This file includes all publicly available NIH award data downloaded from NIH ExPORTER. Most of the original data fields are kept except for PI and funded institution name fields. Data coverage is for years 1999-2016. In addition to the aforementioned NIH-NSF-USDA award number list, this detailed award file is used for record linkage.
	NSF Award Details	This file includes all publicly available NSF award data downloaded from NSF Award Search. Most of the original data fields are kept

		except for PI and funded institution name fields. Data coverage is for years 1999-2016. In addition to the aforementioned NIH-NSF-USDA award number list, this detailed award file is used for record linkage.
	USDA Award Details	This file includes all publicly available USDA award data downloaded from USDA CRIS. Most of the original data fields are kept except for PI and funded institution name fields. Data coverage is for years 1999-2016. In addition to the aforementioned NIH-NSF-USDA award number list, this detailed award file is used for record linkage.
	UMETRICS-Federal Agency Award Crosswalk	This file includes all records from a crosswalk between UMETRICS and federal agency award data. This crosswalk table lists all matches including duplicates and possible false positive results generated by award matching code that uses multiple match thresholds. The agency award data used for this crosswalk is NIH-NSF-USDA Award Number file.
	UMETRICS-ProQuest Crosswalk	<p>This match table includes results of the crosswalk between UMETRICS employee data and ProQuest dissertation data with a focus on dissertation subjects. ProQuest, through active partnerships with more than 700 universities, disseminates and archives more than 90,000 new graduate works each year. These works are available through library subscription databases. IRIS has conducted a pilot study with ProQuest in order to develop programming code to parse publication data and to structure and load the data to a database for crosswalk.</p> <p>The unit of record in this file is a de-identified individual dissertation. Individuals (graduated PhD students) from UMETRICS 2016Q3a, based on their first and last names, are matched to the ProQuest dissertation data prior to selecting dissertation subjects categorized into two sets of 13 groups. Of 26 categories, only the two most aggregated subject categories are released. This file includes 88,125 dissertations from 19 IRIS member universities between 2000 and 2016. Of this total, 13,661 dissertation authors (graduate students) are linked to UMETRICS employee IDs. Due to personally identifiable information, the underlying data, i.e., UMETRICS employee names are not released. Also, due to the terms of the research contract between IRIS PIs and ProQuest, dissertation (publication) IDs originated in the ProQuest database are not made available.</p>

Provide additional information on requested data if necessary.

Description of User Provided Data

Describe the data you plan to bring into VDI (e.g., source, format, volume of data) and explain how you plan to link the user provided data to IRIS data.

The Institutional Review Board (IRB) Approval from the PI's Sponsoring Institution

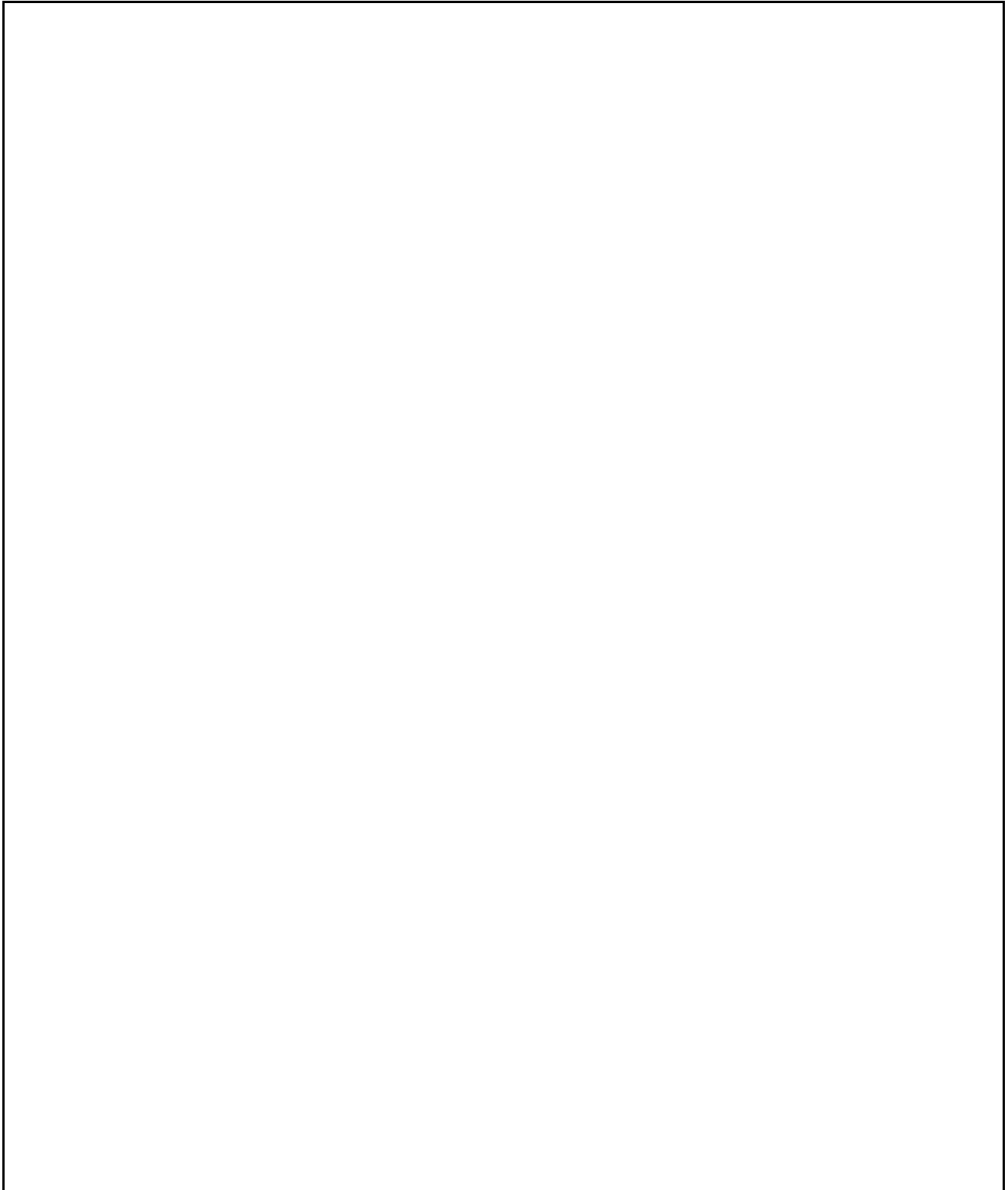
Please indicate the outcome of your IRB application for this project. **When sending this application, please include a copy of the IRB determination letter from your institution.**

Approved

Exempt

Appendix

Please include any additional information to help support your application.

A large, empty rectangular box with a thin black border, intended for the applicant to provide additional information to support their application. The box occupies most of the page below the introductory text.