



VII Reunião Bimestral de Acompanhamento do Compromisso pela Ciência Aberta no 4º Plano de Ação da OGP Brasil

Relato do Marco 7

Carolina Felicíssimo e Leandro Ciuffo



Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



1. Coordenadora: Iara Machado - RNP
2. Equipe:
 - Leandro Ciuffo, Carolina Felicissimo e Gustavo Dias - RNP
 - Washington Segundo - IBICT
 - Rosana Figueiredo - CNPq
3. Data de Início: 01/01/2019
4. Data de Fim: 30/06/2020
5. Avanços no último bimestre (de 15/08/2019 a 17/10/2019)
 - i. *Habemus Dataverse em Português :-))))*
 - ii. FIOCRUZ com seu *Dataverse* no ar!
 - iii. Aproximações: CBPF, LNCC, EMBRAPA, UFRJ, FGV, AN, GDCC
 - iv. Próximos passos

Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



Habemus Dataverse em Português :-))))

conta - Root

dadosderede.mp.br/dataverseuser.xhtml?selectTab=dataRelatedToMe

Dataverse

Pesquisa Guia do usuário Suporte Portugues Carolina Felicissimo

Root > conta

Editar conta

Meus dados Notificações Informação da conta Token da API

Aqui estão todos os dataverses, conjuntos de dados e arquivos aos quais você tem acesso. Você pode filtrá-los por status e funções de publicação.

Pesquisar meus dados ... Localizar

Dataverses

Conjuntos de Dados

Arquivos

Status da Publicação

Publicado

Unpublished

Esboço

In Review

Desacordo

Papéis

Admin

File Downloader

Dataverse + Criador de conjunto de dados

Criador do Dataverse

Criador de conjunto de dados

Colaborador

Curador

Membro

Sorry, nothing was found for these roles: A Dataverse Creator, Dataset Creator, Contr

GitHub - GlobalDataverseComm... x +

github.com/GlobalDataverseCommunityConsortium/dataverse-...

Painel - Confluence

dataverse-language-packs

Repository for language files associated with [Dataverse](#)

Some language packages are only available for older versions, to get the latest version view the see notes below).

API Documentation for deploying language files is still under development.

Available languages:

- English (US), latest develop branch maintained by IQSS Harvard
- French (Canada), latest available 4.17 maintained by Bibliothèques Université de Montréal
- French (France), 4.9.4 maintained by Sciences Po
- German (Austria), 4.9.4 maintained by AUSSDA
- Slovenian, 4.9.4 maintained by ADP, Social Science Data Archive
- Swedish, 4.9.4 maintained by SND, Swedish National Data Service
- Ukrainian, 4.9.4 maintained by The Center for Content Analysis
- Spanish, 4.11 maintained by El Consorcio Madroño
- Italian 4.9.4 maintained by Centro Interdipartimentale UniData
- Hungarian, 4.9.4 maintained by TARKI

Desenvolvido por Dataverse

FIOCRUZ com seu *Dataverse* no ar!

Open
Government
Partnership

Conferência Web

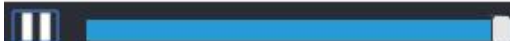


conferenciaweb.rnp.br/rec/c5abaf062293beb17a0f0c2e6e3df49690bf3075-1568823800852/presentation

GT em Rede de Dados de Pesquisa Brasileira



Gravado no Conferência Web



!!! Precisamos de Identificadores Persistentes !!!

FIOCRUZ

Metrics 0 Downloads

Contact Share

The root dataverse.

Search this dataverse... Find Advanced Search + Add Data

- Dataverses (23)
- Datasets (0)
- Files (0)

1 to 10 of 23 Results

Sort

Dataverse Category
Organization or Institution (23)

Metadata Source
FIOCRUZ (18)
Root (5)

Publication Status
Unpublished (23)

| | |
|---|--|
| Biomanguinhos (FIOCRUZ-RNP) Unpublished Sep 19, 2019 | |
| ICTB (FIOCRUZ-RNP) Unpublished Sep 19, 2019 | |
| COC (FIOCRUZ-RNP) Unpublished Sep 19, 2019 | |
| IGM (FIOCRUZ-RNP) Unpublished Sep 19, 2019 | |
| Gereb (FIOCRUZ-RNP) Unpublished Sep 19, 2019 | |
| ENSP (FIOCRUZ-RNP) Unpublished Sep 19, 2019 | |





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BOTAFOGO - Cep: 22290-906
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Date: 03/06/2019
Invoice Number: HNRT-928956
Payment Due: Net 30 days
Payment Currency: US Dollars

| Description | Cost Per Year Per Prefix | Total |
|---|--------------------------|-----------------|
| One Time Registration fee for prefix <u>20.500.12401</u> | \$50.00 | \$50.00 |
| Annual Service Fee at \$50 per year for 1 year: 3/06/19 – 3/31/20 for prefix <u>20.500.12401</u> | \$50.00 | \$50.00 |
| | Subtotal | \$100.00 |
| | Amount Paid | \$0.00 |
| | Total Amount Due | \$100.00 |

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ABA Number: 121042484
FIELD 57D ACCOUNT WITH:
Access National Bank
1800 Robert Fulton Dr., Ste 310
Reston, VA 20191
Routing Number: 056009039
FIELD 59 BENEFICIARY CUSTOMER:
Name: Corporation for National Research Initiatives
Address (Line 1): 1895 Preston White Dr., Ste 100
Address (Line 2): Reston, VA 20191
Account Number: 2952950

Medições 2019 Version 3.0

Rede IPÊ, 2019, "Medições 2019", <https://hdl.handle.net/20.500.12401/dv/323>, RNP - Dados Abertos Versão BETA, V3

Description Dados referentes às medições realizadas nos PoP
Subject Computer and Information Science

- Files
- Metadata
- Terms
- Versions

Search this dataset...

7 Files

- Codebook Medições Ipe.pdf
Adobe PDF - 205.1 KB - 17/04/2019 - 18 Downloads
MD5: 1486868932479c60f146c6a8e50bc95a
- medicoesRedelpe_01-2019.tar.gz
Gzip Archive - 517.6 KB - 08/07/2019 - 9 Downloads
MD5: 2117bfff2da802ddee1691bf9f5dd07
Medições da Rede Ipê referentes ao mês de Janeiro de 2019
- medicoesRedelpe_02-2019.tar.gz
Gzip Archive - 450.3 KB - 08/07/2019 - 1 Download
MD5: 0636568cd4e75d496a10fc2e40d9969e
Medições da Rede Ipê referentes ao mês de Fevereiro de 2019
- medicoesRedelpe_03-2019.tar.gz
Gzip Archive - 464.8 KB - 08/07/2019 - 1 Download
MD5: d59b57854f78dcbefd02d596d3bd52aa
Medições da Rede Ipê referentes ao mês de Março de 2019
- medicoesRedelpe_04-2019.tar.gz
Gzip Archive - 491.8 KB - 08/07/2019 - 1 Download
MD5: d8d751f3ec4e0c3b43c8a6f6e6e29565
Medições da Rede Ipê referentes ao mês de Abril de 2019

redelpê Rede Ipê (RNP)

RNP - Dados Abertos Versão BETA > Rede Ipê > Medições 2019 > medicoesRedelpe_02-2019.tar.gz

Metrics 1 Download

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medicoesRedelpe_02-2019.tar.gz Version 3.0

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[Learn about Data Citation Standards.](#)

Gzip Archive - 450.3 KB - Last Updated: 08/07/2019
MD5: 0636568cd4e75d496a10fc2e40d9969e
Medições da Rede Ipê referentes ao mês de Fevereiro de 2019

- Metadata
- Versions

File Metadata

| | |
|---------------------------|---|
| File Persistent ID | hdl:20.500.12401/dv/323/5 |
| Download URL | https://dadosabertos.rnp.br/api/access/datafile/?persistentId=persistentId=hdl:20.500.12401/dv/323/5 |
| MD5 | 0636568cd4e75d496a10fc2e40d9969e |
| Publication Date | 2019-07-08 |
| Size | 450.3 KB |
| Type | Gzip Archive |

Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)



Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

The screenshot shows a web browser window displaying a PubMed search result. The address bar shows the URL ncbi.nlm.nih.gov/pubmed/31253105. The page header includes the NCBI logo and navigation links for Resources and How To. The main content area displays the title "Analysis of isolates from Bangladesh highlights multiple ways to carry resistance genes in Salmonella Typhi." and the authors: Lima NCB^{1,2}, Tanmoy AM^{3,4,5}, Westeel E⁴, de Almeida LGP², Rajoharison A⁴, Islam M⁵, Endtz HP^{3,4}, Saha SK^{5,6}, de Vasconcelos ATR⁷, Komurian-Pradel F⁴. The abstract text is partially visible. On the right side, there are sections for "Full text links" with buttons for "Read free full text at BMC" and "PMC Full text FREE", and "Save items". Below that, there is a "Similar articles" section with a list of related papers, including "Salmonella enterica Serovar Typhi in Bangladesh: E [MBio. 2018]" and "Antimicrobial resistance and molecule [Int J Med Microbiol. 2017]".

Analysis of isolates from Bangladesh highlights multiple ways to carry resistance genes in Salmonella Typhi.

BMC Genomics. 2019 Jun 28;20(1):530. doi: 10.1186/s12864-019-5916-6.

Analysis of isolates from Bangladesh highlights multiple ways to carry resistance genes in Salmonella Typhi.

Lima NCB^{1,2}, Tanmoy AM^{3,4,5}, Westeel E⁴, de Almeida LGP², Rajoharison A⁴, Islam M⁵, Endtz HP^{3,4}, Saha SK^{5,6}, de Vasconcelos ATR⁷, Komurian-Pradel F⁴.

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- 6 Bangladesh Institute of Child Health, Dhaka Shishu Hospital, Dhaka, 1207, Bangladesh.
- 7 Laboratório Nacional de Computação Científica, Petrópolis, Brazil. atrv@lncc.br.

Full text links

Read free full text at **BMC**

PMC Full text **FREE**

Save items

Similar articles

Salmonella enterica Serovar Typhi in Bangladesh: E [MBio. 2018]

Antimicrobial resistance and molecule [Int J Med Microbiol. 2017]

Emergence of an Extensively Drug-Resistant *Salmonella* [MBio. 2018]

Review A systematic review of

Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

The screenshot shows a web browser window with the address bar displaying "ncbi.nlm.nih.gov/pmc/articles/PMC659...". The page content includes several sections:

- Additional file 2.** (51K, xlsx)
Table S3. Ampicilin, ciprofloxacin, chloramphenicol, ceftriaxone, and cotrimoxazole resistance. (XLSX 50 kb)
- Additional file 3.** (4.1M, jpeg)
Figure S1. Isolate chromosomes were aligned with ProgressiveMauve. Conserved sequence block can be observed as they are marked with the same color. (JPEG 4269 kb)
- Additional file 4.** (16K, xlsx)
Table S1. Sheet NCBI ID: Accession numbers for sequences deposited on NCBI. Sheet Metadata: metadata for the isolates studied. (XLSX 15 kb)
- Additional file 5.** (257K, jpeg)

Vertical text on the left side of the page reads "enomics" and "BMC Genomics".



Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

| 1 | Table S1. Accession numbers for sequences deposited on NCBI. | | | | | | |
|----|--|----------------------|-----------------|-----------------|----------------|----------------|-----------------------|
| 2 | Sample Name | Chromosome Accession | pHCM1 Accession | pHCM2 Accession | pK91 Accession | pK43 Accession | pPRJEB21992 Accession |
| 3 | 311189_201186 | CP029958 | CP029957 | | | | |
| 4 | 311189_202186 | CP029956 | CP029955 | | | | |
| 5 | 311189_203186 | CP029942 | CP029941 | | | | |
| 6 | 311189_204186 | CP029954 | CP029953 | | | | |
| 7 | 311189_205186 | CP029950 | | CP029951 | | | |
| 8 | 311189_206186 | CP029940 | CP029939 | | | | |
| 9 | 311189_207186 | CP029938 | CP029937 | | | | |
| 10 | 311189_208103 | CP029932 | | | | | |
| 11 | 311189_208186 | CP029949 | CP029948 | | | | |
| 12 | 311189_209186 | CP029952 | | | | | |
| 13 | 311189_210186 | CP029946 | CP029947 | | | | |
| 14 | 311189_211186 | CP029945 | | | | | |
| 15 | 311189_212186 | CP029944 | CP029943 | | | | |
| 16 | 311189_213186 | CP029936 | CP029935 | | | | |
| 17 | 311189_214186 | CP029933 | CP029934 | | | | |
| 18 | 311189_215186 | CP029930 | CP029931 | | | | |
| 19 | 311189_216103 | CP029928 | | CP029929 | | | |
| 20 | 311189_217103 | CP029927 | | | | | |
| 21 | 311189_217186 | CP029646 | CP029645 | CP029647 | | | |
| 22 | 311189_218186 | CP029925 | CP029926 | | | | |
| 23 | 311189_219186 | CP029911 | CP029910 | | | | |
| 24 | 311189_220186 | CP029886 | CP029887 | | | | |
| 25 | 311189_221186 | CP029823 | CP029824 | | | | |

Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

Search: CP029958 - NCBI | Salmonella enterica subsp. enteri

ncbi.nlm.nih.gov/search/all/?term=CP029958

U.S. National Library of Medicine
National Center for Biotechnology Information

Search NCBI CP029958 Search

Search results for: CP029958

NUCLEOTIDE SEQUENCE

Salmonella enterica subsp. enterica serovar Typhi strain 311189_201186 chromosome, complete genome

Salmonella enterica subsp. enterica serovar Typhi
4,783,542 bp genomic sequence
CP029958.1

FASTA

Results by database
Results found in 6 databases

| Literature | | Genes | | Proteins | |
|----------------|---|--------------|----|--------------------------|-------|
| Bookshelf | 0 | Gene | 37 | Conserved Domains | 0 |
| MeSH | 0 | GEO DataSets | 0 | Identical Protein Groups | 4,162 |
| NLM Catalog | 0 | GEO Profiles | 0 | Protein | 0 |
| PubMed | 0 | HomoloGene | 0 | Protein Clusters | 0 |
| PubMed Central | 0 | PopSet | 0 | Sparcle | 0 |
| | | | | Structure | 0 |

Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

The screenshot shows a web browser window with the NCBI website. The search bar contains "CP029958 - NCBI". The page title is "Salmonella enterica subsp. enterica serovar Typhi strain 311189_201186 chromosome, complete genome". The main content area displays the FASTA sequence of the genome. On the right side, there are several interactive panels: "Change region shown", "Customize view", "Analyze this sequence" (with sub-options for Run BLAST, Pick Primers, and Highlight Sequence Features), "Related information" (with sub-options for Assembly, BioProject, BioSample, Protein, Taxonomy, Component Of, Gene, Genome, Identical RefSeq, and PubMed (Weighted)), and "LinkOut to external resources" (with sub-options for Order glnA cDNA clone/Protein/Antibody/RNAi [OriGene], Order greB cDNA clone/Protein/Antibody/RNAi [OriGene], and Order Galp cDNA clone/Protein/Antibody/RNAi).

Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



Repositório Institucional

Repositório Externo

Search: CP029958 - NCBI x Salmonella enterica subsp. enterica x +

ncbi.nlm.nih.gov/nuccore/CP029958.1/?report=fasta

NCBI Resources How To

Nucleotide Nucleotide Advanced

FASTA

Salmonella enterica subsp. enterica serovar Typhi strain 311189_201186 chromosome, complete genome

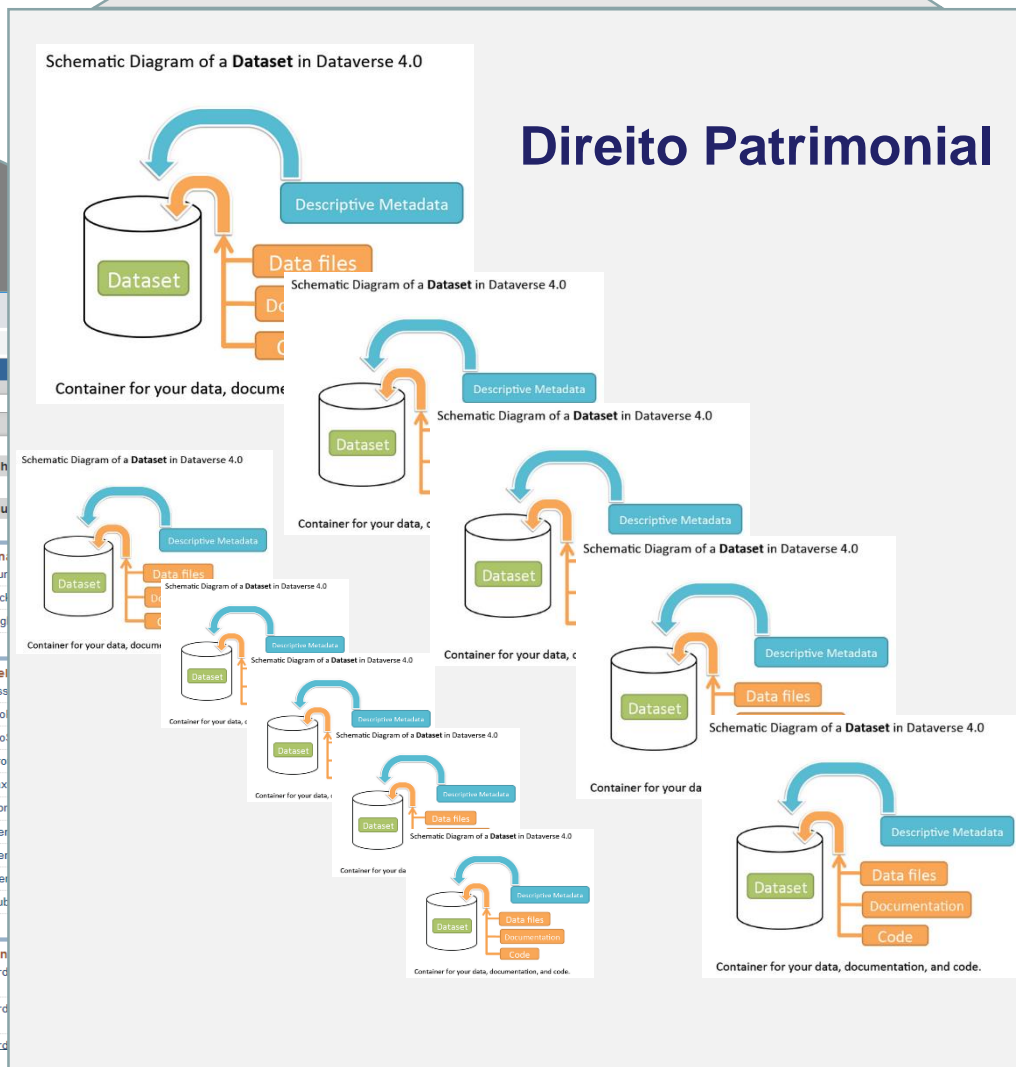
GenBank: CP029958.1

GenBank Graphics

>CP029958.1 Salmonella enterica subsp. enterica serovar Typhi strain 311189_201186 chromosome, complete genome
AGGATTACGCTGGTTCGAAGAGATCAAAACAGGGGAAATGATTGAAAATAAATATCGCCGAGCAGC
ACATGAACAAGTTCGGAATGTGATCAATTAATAAATTTATGACTTAGCGGGCAGGATACTTTAACCAA
TATAGGAATACAAGACAGCAAAATAAATGACAGAGTACACAACATCCATGAACCGCATCAGACCACC
ACCATTACCAACATCACATTAACCAAGGTAAACGCTGGGGTGAACGGTACAGGAAACACAGAAAAAG
CCCCACCTGAACAGTGCAGGCTTTTTCGACAGAGATCACAGGTTAAACACATGCGAGTGTGAA
GTTCCGGGTACATAGTGGCAATGCAAGACCTTTCTCGTGTGCGGATATTGGAAGCAATCC
AGGCAAGGGCAGGTAGCAGCCACTTTCGCCCCCGGAAATACCAACATCTGGTGGCAGTATG
AAAAACTACGCGCGCAGGATGCTTTCGCAATACAGCGATGCCAGGATTTTTCGACTGCT
CGAGGACTTGCAGCGCGCAGCCGGATTCGCCCTTGACGGTTGAAATGGTTGCGAACAAAGAAATC
GCTCAGATCAAAATGTTTGCATGGTATCAGCGCTGGGTCACTTCGATAGCATCAAGCGCGC
TGATTTCCGCTGGCGAAAAATGTCGATCGGATTTAGCGGGATTTAGCGGGATTTAGCGGGATTT
CAGCGTGTGATCCGATAGAAACCTGCTGGCGTGGCGCATTAATGATGATGATGATGATGATGATG
GATCGACTCGCGTATCGCCGCGCAGGATCCCGCGGATCACATGATCGATGATGATGATGATGATG
CGGTAAAGAAAGGGTGAATGGTGGTGGCGTAAATGTTCCGACTTCCGCGCGCTGGC
CGCTGTTTACCGCTGACTGCTGAAATCGACTGACTGACTGACTGACTGACTGACTGACTGACTG
CAGGTGCCGAGCCAGCGTGTGAAATCGATGCTCACAGGAAGCATGGAAGCTCTTACTGGCG
CTAAAGTCTTACCGCTGACTGCTGAAATCGACTGACTGACTGACTGACTGACTGACTGACTGACTG
CGCAATCCGAGCGCGCAGGATGCTGACTGACTGACTGACTGACTGACTGACTGACTGACTGACTG
ATCTAACCTAAACAATGCGATGTTAGCGTCTCGCGCCGGGAAAGAAAGGATGATGGGATGG
CGCGCGGTGTTTCGCGCGCATGCTCGCGCGGATGCTGGTGGTCTGATCAACCGCTCTCTG
GTACAGCATCAGCTTCTGTGTGGCGCAGAGTGACTGCGCGCTGCGCGCGTGGGATGCAAGGATGAGTCT
TATCTGGAGTGAAGAGGGGCTGCTGGAGCGCTGGCGGTTACGAGCGGTGGGCGATATCTCTGTTG
TCGCGCAGCGTATGCGCACGCTACCGCGCATTTACGCAAAATCTTCCGCGCGCTGGCGCGGCTAAAT
CAATATCGTGGGATGCTCAGGATCTTCTGAGGTTCCATTTCTGTGGTGGTGAATAACGAGATGCG
ACCAACCGCGTGGGATGCGCAGCAGATGTTCAATACCGATCAAGTGAATGAAAGTGTGCTATG
CGTGGCGGCTGCGCGCGCTACTGGAACAGCTTAAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG
CATGATCTACCGCTGCGCGCTGGGAACTCAAGGCGTTCGAAACATGCTGATGGCTGAAATCTG
GACAACTGGCAGCGGAACTGGCGAAGCGAACTGGCGGCTCAATCTGGCGTGAATGCTGGTGA
AAGAAATCATCTACTCAATCGGATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATG
CGACTCTTCTGGCGAAGGTTCCATGTTGGTGGCGCAACAAAGAGGAGAGCCTGTCGATGGATAC
TACCATCAGCTACGTTTCCGCGCGCAATCAGGCGCAAAATTTGATGACCAACAGCTGCGCGCG
GTTTGGCGGATCGAAACCTGCAAACTGCTGAATGGTGGTGAATGCAAAAAATTTCCGGCAT
TCTTTCCGGTGCCTCTTTTATTTCCGTAACGTAAGAGGGATGAGTCTCACAGCGAACCGCT
CTGGCGCGGATGGGCTATACCGAACCGGATCCGCGCGAGCATCTTCCGGTATGGATGGCGGCTA

Direito Autoral

Direito Patrimonial



Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

The screenshot shows a web browser window with the OpenAIRE website. The browser's address bar shows the URL: `explore.openaire.eu/search/dataset?datasetId=r36ad727a71a::96dc771f4c4913a5d2ae32144b972ce9`. The website's navigation bar includes 'EXPLORE', 'PROVIDE', 'CONNECT', 'MONITOR', and 'DEVELOP'. The main content area features the 'EXPLORE' logo and a search bar. The dataset title is 'Data Supporting "Metadata for Research Data Discovery and Management"'. Below the title, there are tags for 'DATASET', 'EN', and 'OPEN'. The author is listed as 'Jennings, Lizz; (2017)'. The publisher is 'University of Bath'. The related identifier is 'doi: 10.15125/BATH-00374'. The subject is 'RCUK Research Classifications: Information and Knowledge Management'. On the right side, there is a 'LINK THIS RESEARCH DATA TO...' button, a 'Share - Bookmark' section with social media icons, and a 'Download from' section with links to the University of Bath Research Data Archive and the University of Bath. At the bottom, there is a 'Cite this research data' section with a dropdown menu for selecting a citation style.

Marco 7: Implantação de infraestrutura federada piloto de repositórios de dados de pesquisa



- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

The screenshot shows a web browser window with two tabs: 'OpenAIRE | Data Supporting "Me...' and 'Data Supporting "Metadata for R...'. The address bar shows 'researchdata.bath.ac.uk/374/'. The page header features the University of Bath logo and navigation links: 'Home About Guide Browse'. A search bar is located on the right. The main content area displays the title 'Data Supporting "Metadata for Research Data Discovery and Management"'. Below the title, a paragraph states: 'This dataset contains the University of Bath research data metadata schema and mappings to other schemas (EPrints, DataCite, Pure, DDI and JSON-LD Google Datasets) used in the Research Data Archive.' Under 'Keywords', there are three buttons: 'metadata', 'research data', and 'rdm'. Under 'Subjects', it lists 'Information and communication technologies' with a sub-item 'Information and Knowledge Management'. On the right side, there is a 'Cite this dataset as:' section with the citation: 'Jennings, L., 2017. Data Supporting "Metadata for Research Data Discovery and Management". University of Bath Research Data Archive. https://doi.org/10.15125/BATH-00374.' Below this is an 'Export' section with a dropdown menu set to 'ASCII Citation' and an 'Export' button. At the bottom right, there is a QR code.



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I/O performance of the Santos Dumont supercomputer

Jean Luca Bez¹, André Ramos Carneiro², Pablo José Pavan¹,
Valéria Soldera Girelli¹, Francieli Zanon Boito³,
Bruno Alves Fagundes², Carla Osthoff²,
Pedro Leite da Silva Dias⁴, Jean-François Méhaut³
and Philippe OA Navaux¹

Additionally, we are making all the data we collected and analyzed in this article freely available.¹ Traces from

Abstract

In this article, we study the I/O performance of the Santos Dumont supercomputer, since the gap between processing and data access speeds causes many applications to spend a large portion of their execution on I/O on a large scale expensive supercomputer, it is essential to ensure applications achieve the best I/O performance for efficient usage. We monitor a week of the machine's activity and present a detailed study on the workload at providing an understanding of its workload. From experiences with one numerical simulation, we investigate performance differences between the MPI implementations available to users. We investigated the phenomenon and narrowed it down to collective I/O operations with small request sizes. For these, we concluded that the customized MPI implementation by the machine's vendor (used by more than 20% of the jobs) presents the worst performance. By investigating the issue, we provide information to help improve future MPI-I/O collective write implementations and practical guidelines to help users and steer future system upgrades. Finally, we discuss the challenge of describing applications I/O behavior without depending on information from users. That allows for identifying the application's I/O bottlenecks and proposing ways of improving its I/O performance. We propose a methodology to do so, and use GROMACS, the application with the largest number of jobs in 2017, as a case study.

Keywords

High-performance computing, supercomputer, storage, parallel I/O, workload characterization

Notes

1. <https://gitlab.com/jeanbez/ijhpcsa-sdumont>

IJHPCA-SDumont

Project

Repository

Files

Commits

Branches

Tags

Contributors

Graph

Compare


Charts













Locked Files


Issues 0


Jean Bez > IJHPCA-SDumont > Repository


master ijhpca-sdumont / data / file-system


 **include CSTOR and OST data**
Jean Bez authored 10 months ago


| Name | Last commit |
|--|---|
| .. | |
|  20170716 | include CSTOR and OST data |
|  20170717 | include CSTOR and OST data |
|  20170718 | include CS  cstor-sdumont3002-201707160000.log.bz2 |
|  20170719 | include CS  cstor-sdumont3003-201707160000.log.bz2 |
|  20170720 | include CS  cstor-sdumont3004-201707160000.log.bz2 |
|  20170721 | include CS  cstor-sdumont3005-201707160000.log.bz2 |
|  20170722 | include CS  cstor-sdumont3006-201707160000.log.bz2 |

 cstor-sdumont3002-201707160000.log.bz2

 cstor-sdumont3003-201707160000.log.bz2

 cstor-sdumont3004-201707160000.log.bz2

 cstor-sdumont3005-201707160000.log.bz2

 cstor-sdumont3006-201707160000.log.bz2

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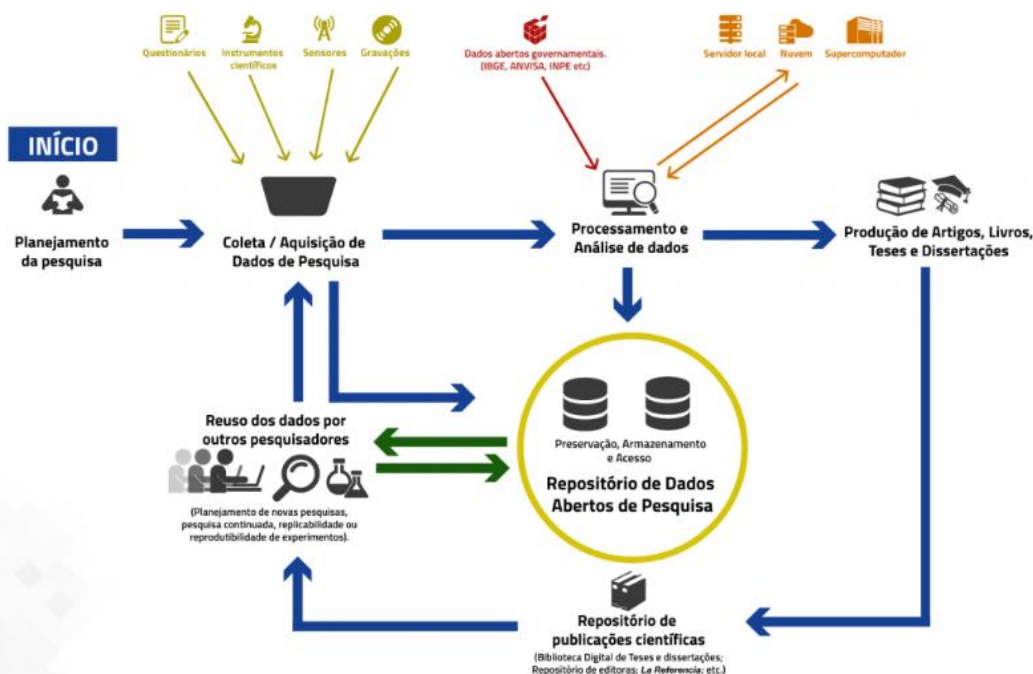


Dados de Pesquisa Abertos Sobre nós Newsletters Dados de pesquisa Contribua Grupos de Trabalho

Dados de pesquisa

Postado por: dadosabertos
Em: março 7, 2018

Na categoria: - No responses



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- Aproximação com o LNCC para o estudo de caso do LabInfo (Bioinformática)

Upload a Dataset | IEEE DataPort x +

ieeee-dataport.org/submit-dataset

Painel - Confluence

| | Submit a Standard Dataset | Submit an Open Access Dataset | Submit a Data Competition |
|----------------------|---|--|--|
| Cost | FREE | \$1,950 (one-time fee) FREE for a limited time Use Promo Code OPENACCESS1 at checkout to upload an Open Access dataset at no cost. | FREE |
| Access | IEEE DataPort Paid Subscribers | All IEEE DataPort Users | Access Controlled by Data Competition Administrator |
| DOI | Yes | Yes | Yes |
| Analysis | IEEE DataPort Users may submit Analysis files | IEEE DataPort Users may submit Analysis files | Competition entries are submitted as Analysis submissions (only accessible to Data Competition Administrator during competition) |
| File Storage | Unlimited Files up to 2 TB each | Unlimited Files up to 2 TB each | Unlimited Files up to 2 TB each |
| Cloud Service | <u>Amazon AWS S3</u> | <u>Amazon AWS S3</u> | <u>Amazon AWS S3</u> |

f
in
Twitter
Gmail
Email

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Aproximações:

- **UNICAMP:**
 - Benilton + FAPESP
- **EMBRAPA:**
 - Carla Macario: responsável de TI da EMBRAPA P&D
 - Debora Drucker: Analista de Negócios
- **UFRJ:**
 - Miguel Neto: Chefe de Seção de Informatização das Bibliotecas
- **FGV:**
 - Júlio Chaves: Governança de Infraestrutura de TI para Pesquisas Avançadas
 - Maria do Socorro: Chefe da Seção das Bibliotecas da FGV
- **AN:**
 - Neide de Sordi, Diretora Geral, e Luana Sales, Coordenadora Geral
 - Max: Coordenador de TIC
 - Leandro: Coordenador Geral de Administração
- **CBPF:**
 - Prof. Nilton Alves + Fatima (bibliotecária) + David (TI)
- **LNCC:**
 - Esquadrão da “batalha” CSeC

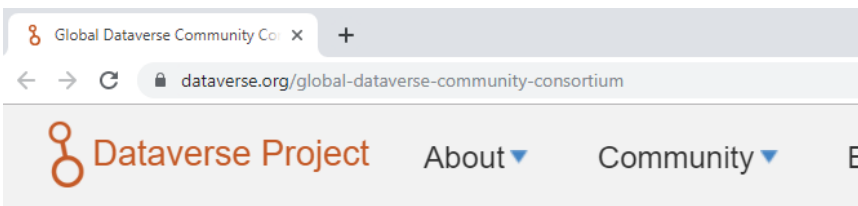


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- Aproximação GDCC:

I ENCONTRO DE GESTÃO E PRESERVAÇÃO DE DADOS DE PESQUISA EM HUMANIDADES



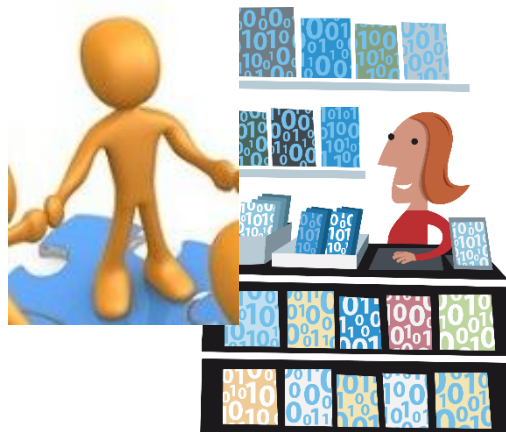
1. Global shared help desk
2. Global team for installation support
3. Global team for data curation support
4. Dataverse Consortium advisory board (this can be a technical advisory board that includes people from outside the Dataverse community; it could also include both a general advisory board and a technical advisory board)
5. Organization of Dataverse Community Meetings in multiple places around the world (in addition to the annual Dataverse Community Meeting at Harvard University)
6. Best practices for leveraging the power of Dataverse, and implementation of policies on data sharing
7. CoreTrust Seal team to investigate trusted repository status
8. Privacy and sensitive data concerns
9. Strategies for metadata sharing or harvesting across installations
10. Collaboration on external tool development and interoperability with Dataverse

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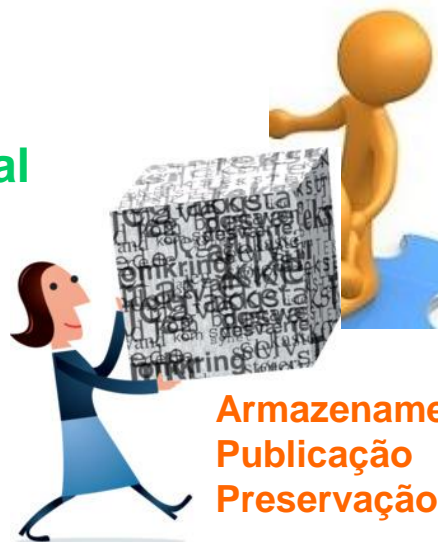


**Analistas de Negócios +
Analistas de TI +
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Catálogo



www.digitalbevaring.dk



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Compartilhamento



Curadoria



**Identificadores
Persistentes**



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- Próximos passos?

→ **Infraestrutura Federada Piloto de Repositórios de Dados de Pesquisa**

→ **Ciberinfraestrutura Federada Nacional de Dados de Pesquisa Científicos**

→ **Ciberinfraestrutura Federada Nacional para Ciência Aberta**



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Referências:

Global Dataverse Community Consortium

<http://dataversecommunity.global/>

<https://dataverse.org/global-dataverse-community-consortium>

GitHub: <https://github.com/GlobalDataverseCommunityConsortium>

Wiki da Ciência Aberta:

<http://url.rnp.br/?OGP-Brasil>

