

Exploring ISA Explorer

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Hidelab

Scientific Data

Scientific Data - Mozilla Firefox

Scientific Data

https://www.nature.com/sdata/

MENU

SCIENTIFIC DATA

Tracking vegetation phenology across diverse North American biomes using PhenoCam imagery

Data Descriptor | 13 March 2018 | OPEN

Article | 20 March 2018 | OPEN

DASH, the data and specimen hub of the National Institute of Child Health and Human Development

Rohan Hazra, Susan Tenney [...] David Songco

Data Descriptor | 20 March 2018 | OPEN

Damage and protection cost curves for coastal floods within the 600 largest European cities

Boris F. Prahl, Markus Boettler [...] Diego Rybski

Comment | 14 March 2018 | OPEN

Simplifying research access to genomics and health data with Library Cards

Moran N. Cabili, Knox Carey [...] Ravi Pandya

Search Scientific Data

All Subjects

Find out more about Scientific Data

Read our Aims & Scope

SCIENTIFIC DATA

Discover data associated with our content

isaexplorer

a data discovery tool

Find the right repository for your data

Access our Recommended Repositories list

SCIENTIFIC DATA

Scientific Data

The screenshot shows the ISA Explorer website in a Mozilla Firefox browser. The browser's address bar displays `scientificdata.isa-explorer.org`. The website's header includes the ISA Explorer logo and a search bar. A left sidebar contains filters for Data Repositories, Designs, Measurement Types, and Technology Types. The main content area displays a grid of four article cards, each with a date, author, title, and a 'Data repositories' link with a count.

ISA Explorer - Mozilla Firefox

ISA Explorer x +

scientificdata.isa-explorer.org

Search

isaexplorer
SCIENTIFIC DATA

Search

Data Repositories

figshare	138
Dryad Digital Repository	87
Gene Expression Omnibus	45

[Show all](#) [Show next 5](#)

Designs

observation design	166
data integration objective	140
time series design	91

[Show all](#) [Show next 5](#)

Measurement Types

transcription profiling assay	58
nuclear magnetic resonance assay	22
protein expression profiling	12

[Show all](#) [Show next 5](#)

Technology Types

digital expression	49
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447 Data Descriptor Articles Displayed

29/09/2015

Raoul J.P. Bonnal et al

De novo transcriptome profiling of highly purified human lymphocytes primary cells

Data repositories 1

30/01/2018

Dina Demner-Fushman et al

A dataset of 200 structured product labels annotated for adverse drug reactions

Data repositories 3

05/07/2016

Mohamed F. Haroon et al

A catalogue of 136 microbial draft genomes from Red Sea metagenomes

Data repositories 2

27/02/2018

Armin Sorooshian et al

A multi-year data set on aerosol-cloud-precipitation-meteorology interactions for marine stratocumulus clouds

Data repositories 1

Team | ISA tools - Mozilla Firefox


Team | ISA tools

isa-tools.org/team/



Search


Menu

The ISA Team







Susanna-Assunta Sansone
Principal Investigator and Associate Director








Philippe Rocca-Serra
Senior Research Lecturer







Alejandra Gonzalez-Beltran
Research Lecturer







Milo Thurston
Research Software Engineer






Allyson Lister
Knowledge Engineer







Eamonn Maguire
Contractor






Peter McQuilton
Knowledge Engineer





David Johnson
Research Software Engineer

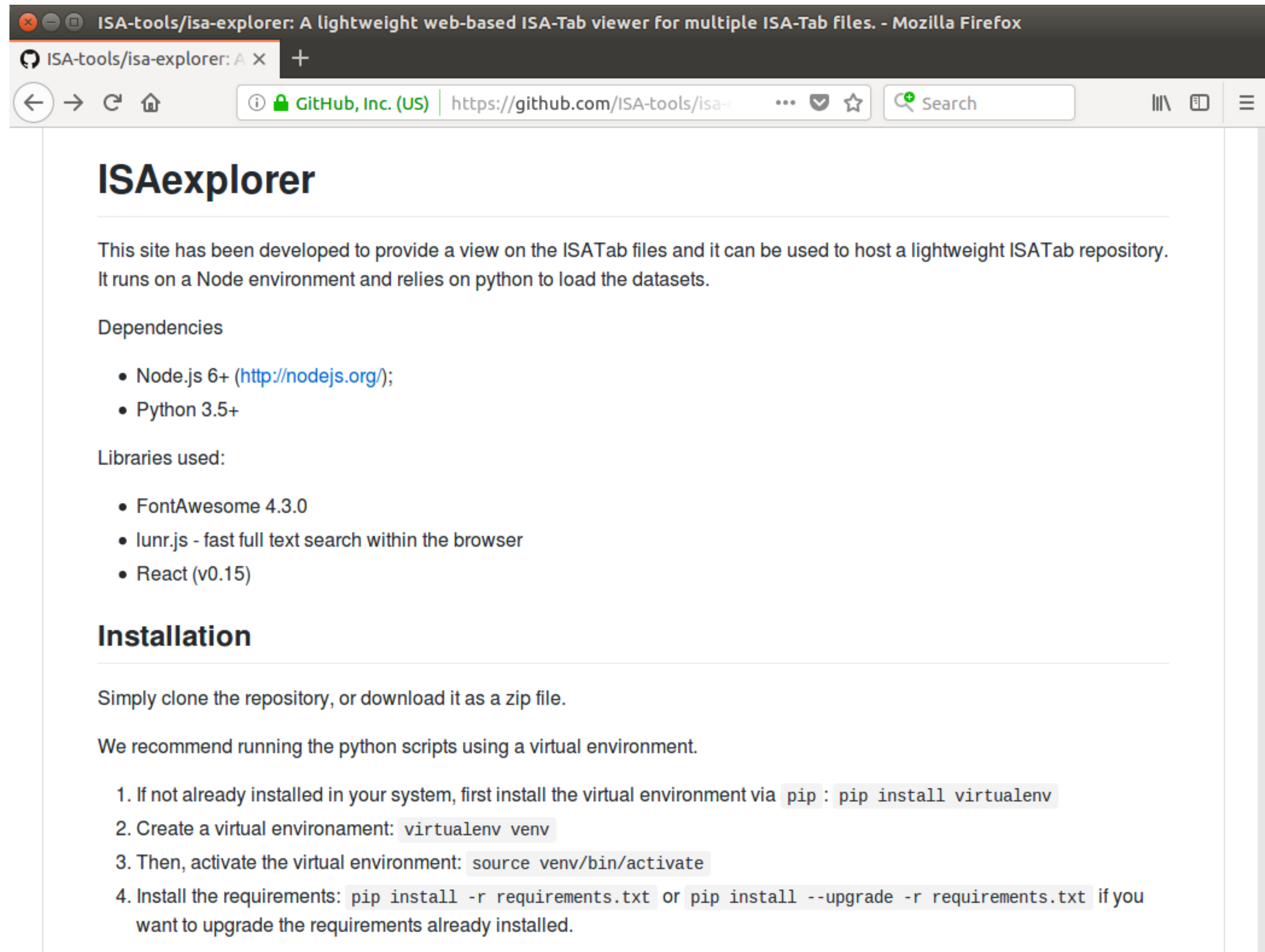
 



Massimiliano Izzo
Research Software Engineer

https://github.com/ISA-tools/isa-explorer



<http://demo-isatab-explorer.hidelab.org/>

The image shows two overlapping screenshots of the ISA Explorer web application. The background screenshot displays the main interface with a sidebar on the left containing filters for Data Repositories, Designs, Measurement Types, Technology Types, Factor Types, and Organisms. The foreground screenshot shows a detailed view of a dataset titled 'The Alzheimer's Genome Project'.

ISA Explorer - Mozilla Firefox

demo-isatab-explorer.hidelab.org

isaexplorer

Search

Data Repositories

Show all Show next 5

Designs

Case Control Design 6

Show all Show next 5

Measurement Types

transcription profiling 6

genome sequencing 1

transcription factor binding site identification 1

Show all Show next 5

Technology Types

nucleotide sequencing 8

Show all Show next 5

Factor Types

RNA integrity number 6

batch 4

Braak score 4

Show all Show next 5

Organisms

Homo sapiens 8

isaexplorer

[Data Descriptor Article](#)

[Download Metadata](#)

[Dataset Metadata \(in ISA format\) License](#)

[Data Descriptor Article License](#)

Data Repository Links

[All Datasets](#) **Dataset: 100001**

The Alzheimer's Genome Project

[Read the data descriptor article](#)

Samples Details [View Samples](#)

Organism

Homo sapiens 1437

Disease State

Alzheimer's disease 995

Control 439

NA 3

Sex

F 977

M 31

Age

1

demo-isatab-explorer

isa-tools code

hidelab curated data

minor cosmetic customisation

it's still blue

plain old AWS instance with ELB

no AWS customisation / automation

<https://github.com/ISA-tools/isa-explorer>

```
drj@nit:~/prj/stemcelldata/gtc-isa-explorer
/**
 * @description container for coroutines (async flow on the server-side)
 */
const co = {

  /**
   * @method
   * @name servePage
   * @description injects the proper JSON-LD structured object as a script, if
   an opportune JSON-LD file exists
   */
  servePage: Promise.coroutine(function* (req, res) {
    const isaexplorer_filePath = path.resolve(__dirname, 'assets', 'jsonld',
`ISAexplorer.json`);
    const isaexplorer_jsonld = yield readFile(isaexplorer_filePath, 'utf8');
    const html = yield readFile(indexHtmlFile, 'utf8');
    const $ = cheerio.load(html);
    $('head').append(`
```


future?

source code control

white-labelling

automated deployment

automated data transfer

integration with Refinery

discretionary controls / sharing

what do we want to do with it?