WISCONSIN ICECUBE
PARTICLE ASTROPHYSICS CENTER

Final Analysis Sample

Register Your Analysis Sample

Please provide the metadata for your analysis sample below, then click Register.

Analysis Sample Metadata

Sample Name:

Sample description

> Sample description...

Sample author(s)

Name   E-Mail

> Name   > E-mail   [+]

Code URL

> https://

Documentation URL (Wiki)

> https://

Tags

> tag then Press Enter

Subsamples

Parent Data File List

[Choose File] No file chosen   [+]

○ Real   Systematics
○ Simulation

Data Directory Path

> /data/user

[Register]

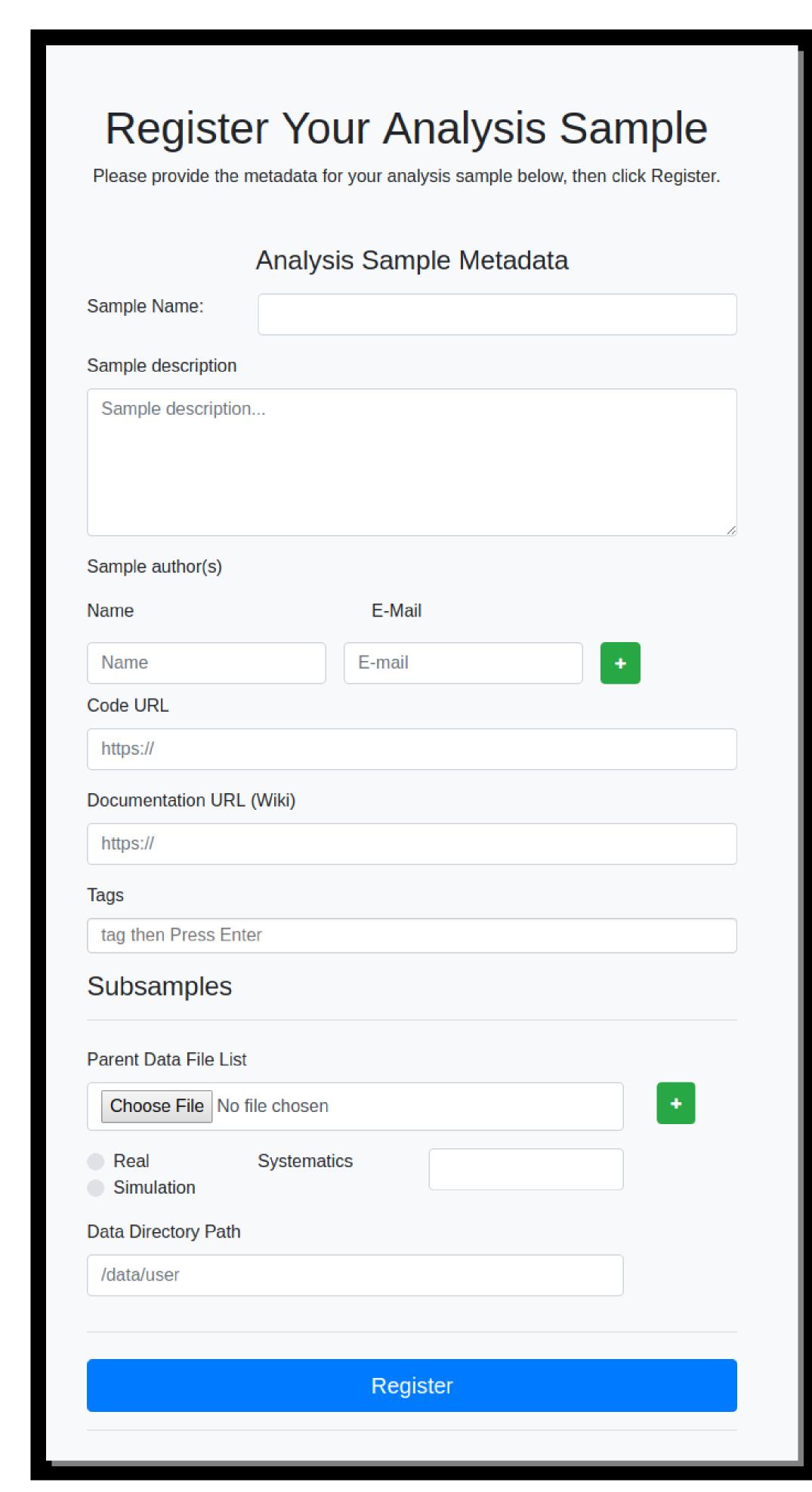## Reproducibility

Many working groups perform analysis on IceCube data. The results of these analyses are published in papers. The authors of those analyses and papers move on to other work, perhaps with other collaborations.

Six months later, a request: How did IceCube arrive at result X?

Scramble the IT team…

- Are the original data files in the author's home directory?

- Did the source code for the analysis get checked into version control?

- There are 50 subdirectories here, which one of them contains the data used for the result published in the paper?

Reproducible results are the cornerstone of scientific inquiry. Providing a simple tool assists researchers with cataloging their analyses and having them indexed in a well-known location.

Machine Readable

```
{
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    "sample_name": "ps_tracks",
    "summary": "This is a description of ps_tracks",
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    "doc_url": "https://wiki.icecube.wisc.edu",
    "quality": "good",
    "tags": [
        "one",
        "two",
        "three four five"
    ],
    "authors": [
        {
            "authorName": "Patrick Meade",
            "authorEmail": "pmeade@icecube.wisc.edu"
        }
    ],
    "subsamples": [
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            "dataType": "real",
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            "systematicsName": "baseline",
            "simType": "baseline",
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            "simType": "systematics",
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}
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