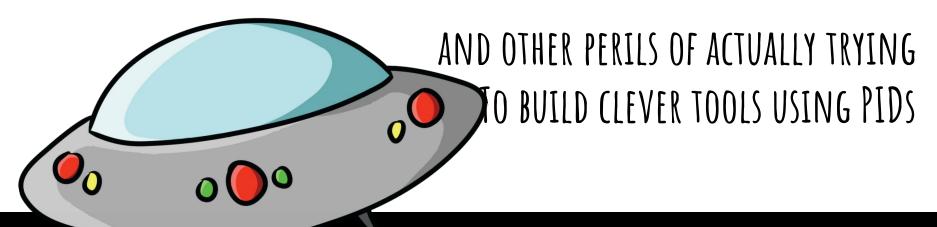
### UNIDENTIFIABLE IDENTIFIERS



Liz Krznarich, Gabriela Mejias & Eric Olson, ORCID
PID-a-palooza 2018, Girona

# 

The world's dullest quiz show!



That's why we use tools, like directories & business cards

#### BUT WHAT ABOUT PIDS?

TO DEVELOP PID-FUELED APPS, SOME BASIC IDENTIFYING INFO IS NEEDED WHAT'S THE FORMAT OF YOUR PID?
HOW DO I RESOLVE IT?! WHERE DO I FIND ITS METADATA?

Getting this info can be a lot like that quiz show.

### AT ORCID, WE LOVE PIDS...

HTTPS://PUB.ORCID.ORG/V2.0/IDENTIFIERS



#### WORK IDENTIFIERS Identifier type

Pick an identifier type. Start typing to see more options

#### agr: Agricola

arxiv: ArXiv

asin-tld: ASIN top-level domain

asin: Amazon Standard Identification Number

authenticusid: AuthenticusID

Bibcode

cba: Chinese Biological Abstracts

cienciaiul: Ciência-IUL Identifier

cit: CiteSeer

ctx: CiteExplore submission

doi: Digital abject identifier

common:external-ids>

:external-ids>

<common:external-id>

<common:external-id-type>doi</common:external-id-type>

<common:external-id-value>10.1087/20120404</common:external-id-value>

<common:external-id-url>https://doi.org/10.1087/20120404</common:external-id-url>

<common:external-id-relationship>self</common:external-id-relationship>

</common:external-id>

</common:external-ids>

ADD PIDS TO AFFILIATIONS, WORKS, FUNDING & PEER REVIEW IN OUR UI & APIS...

DQI: 10.1016/j.procs.2014.06.045

https://doi.org/10.1016/j.procs.2014.06.045

### WE TURN THEM INTO

HNKS

ORCID: Bethesda, MD, United States

2012-10 to present | (Support & Testing)

**Organization identifiers** 

Ringgold: 385488

ORCID: Bethesda, MD, US

Other organization identifiers provided by RINGGOLD

ISNI: 0000000446638501

AND SHOW MORE INFO FROM THE

PID SOURCE

### HOW DO WE DO THAT?



No, we are not wizards.



NICE PEOPLE LIKE GABI & ERIC SPEND MONTHS SEARCHING, EMAILING, CALLING...

...AND THEY TYPE
EVERYTHING INTO A
BIG, SCARY SPREADSHEET

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2	acr	Agricola		USDANAL	work			(sect them an email)					
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4	asin	Amazon Standard Identification Number		Arrazon	work	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	B00006N5PF 0312306180	http://amezon.com/dp/[asin]	Amazon Standard Identification Numbers (ASINs) are unique blooks of 10 letters and/or numbers that identify idens. ASINs are issinghed by Amazon. You can find the ASIN on the product detail page. Amazon Standard Identification Number, which is on alphanumeric token ossigned by Amazon to an item that uniquely identifies it.		N	https://www.anazon.com/gp/sefer/asin-upo-isbn-info.ht nt. https://www.anazon.com/gp/help/pustorren/tileplay.htm info/help_secret_1-67/en/UTP&node/or200289098. qd=14999333948;n=1-9	
6	asin-tid	ASIN top-level domain	for Amazon sites other than the US; valid values: co.jp, co.uk, ca, cn, fr, de, it, es	Amazon	work				ASIN top-level domain for Amazon sites other than the US; valid values: oa, or, oo.ip, oo.uk, de, es, fr, it				
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									The DOI syntax shall be made up of a DOI prefix and a DOI suffix securated by a forward slash. There is no defined limit				



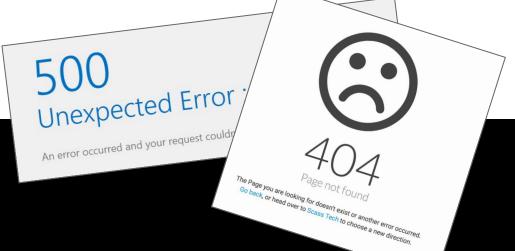
## THEN PEOPLE LIKE LIZ TURN THAT SPREADSHEET INTO A BUNCH OF CODE

```
typeMap['arxiv'] = function (id) {
             if (id.toLowerCase().startsWith('arxiv.org')) return 'http://' + id;
if (id.startsWith('arXiv:')) return 'http://arxiv.org/abs/' + id.substring(6);
            return 'http://arxiv.org/abs/' + id;
         typeMap['asin'] = function (id) {
             if (id.toLowerCase().startsWith('amazon.') || id.startsWith('www.amazon.')) return 'http://' + id;
4041
             return 'http://www.amazon.com/dp/' + id;
         typeMap['bibcode'] = function (id) {
4045
4046
            if (id.toLowerCase().startsWith('adsabs.harvard.edu')) return 'http://' + id;
            return 'http://adsabs.harvard.edu/abs/' + id;
4048
         typeMap['doi'] = function (id) {
            if (id.toLowerCase().startsWith('dx.doi.org') || id.toLowerCase().startsWith('doi.org') ) return 'https:/
            id;
return 'https://doi.org/' + id;
         typeMap['ethos'] = function (id) {
             if (id.toLowerCase().startsWith('ethos.bl.uk')) return 'http://' + id;
             return 'http://ethos.bl.uk/OrderDetails.do?uin=' + encodeURIComponent(id);
         typeMap['isbn'] = function (id) {
             if (id.toLowerCase().startsWith('amazon.com/dp/') || id.toLowerCase().startsWith('www.worldcat.org')) re
                 'http://' + id:
             return 'http://www.worldcat.org/isbn/' + id.replace(/\-/g, '');
```

### IT ALL WORKS OK FOR A WHILE



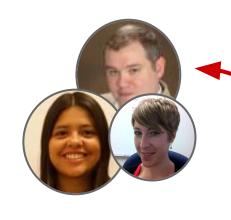
...UNTIL ONE DAY IT DOESN'T



## THEN GABI, ERIC & LIZ WEEP QUIETLY TO THEMSELVES FOR A WHILE



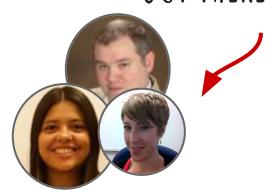
...AND THEY START AGAIN



- AND IS IT JUST US?
WHAT ABOUT ALL THE OTHER

LIZ'S, GABI'S & ERIC'S

OUT THERE DUPLICATING THE SAME WORK?





# THERE HAS TO BE A BETTER WAY! NEED PUBLIC (IDEALLY MACHINE-READABLE), CURRENT INFO ABOUT PIDS

Why do I have to call someone to find out how to resolve their PID?

### HOW DO WE FIX THIS?

- CENTRAL PID METADATA REPO? (IDENTIFIERS.ORG?)
- DISTRIBUTED NON-REPO? (IE: STICK A JSON/XML DOC SOMEWHERE ON YOUR WEBSITE)
- (BARE MINIMUM) PLEASE AT LEAST PUT SOME INFO ABOUT YOUR PID ON YOUR WEBSITE, EVEN IF IT'S NOT MACHINE READABLE

## IDEAS? WHAT DO YOU THINK? HOW DO YOU TACKLE THIS CHALLENGE?

### THANKS!

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E.OLSON@ORCID.ORG

G.MEJIAS@ORCID.ORG

https://orcid.org/0000-0002-1598-7181

iD <u>HTTPS://ORCID.ORG/0000-0001-6622-4910</u>

https://orcid.org/0000-0002-5989-8244

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