

UNIDENTIFIABLE IDENTIFIERS

AND OTHER PERILS OF ACTUALLY TRYING
TO BUILD CLEVER TOOLS USING PIDS

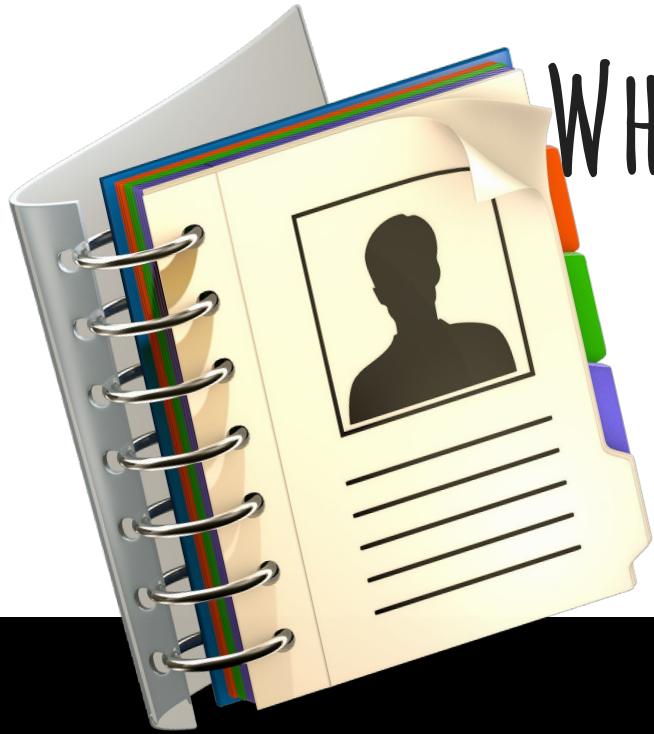


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PID-a-palooza 2018, Girona



**Who are you &
where are you
from?**

The world's dullest quiz show!



WHAT A TERRIBLE (AND WEIRD)
WAY TO GET CONTACT INFO

**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](https://pub.orcid.org/v2.0/identifiers)



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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 Object Identifier

<work:type>journal-article</work:type>

<common:external-ids>

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<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...

DOI: 10.1016/j.procs.2014.06.045

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

WE TURN THEM INTO
LINKS

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: 00000000446638501

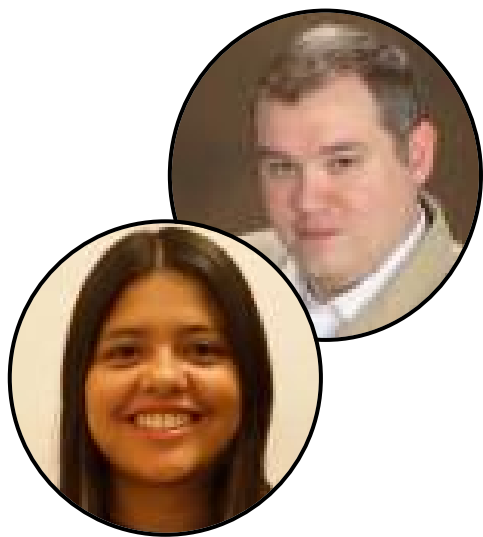
AND SHOW MORE
INFO FROM THE
PID SOURCE

HOW DO WE DO THAT?



MAGIC?!

No, we are not wizards.



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

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

[illegible]

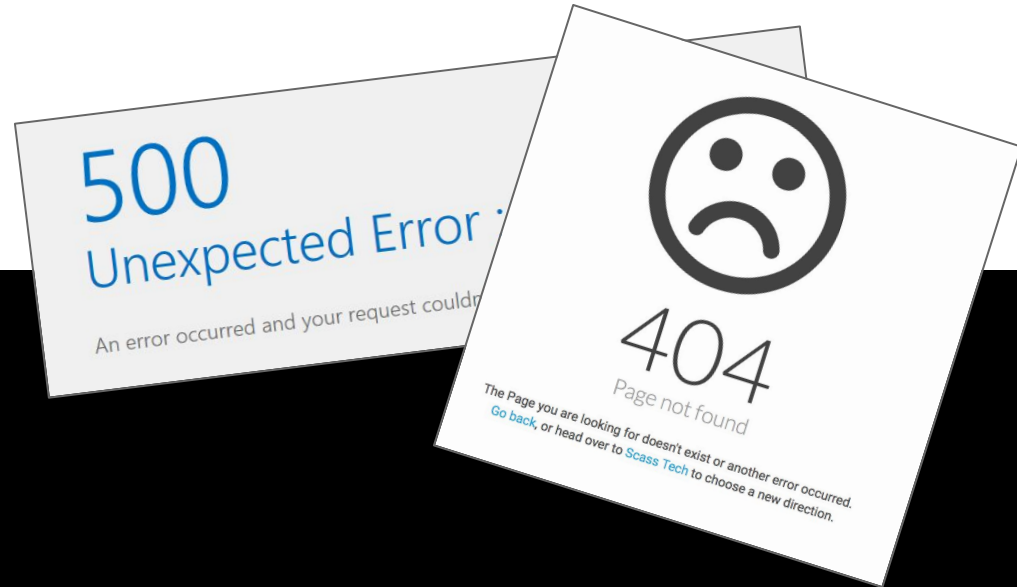


THEN PEOPLE LIKE **LIZ** TURN THAT SPREADSHEET
INTO A BUNCH OF CODE

```
4032 typeMap['arxiv'] = function (id) {
4033   if (id.toLowerCase().startsWith('arxiv.org')) return 'http://' + id;
4034   if (id.startsWith('arXiv:')) return 'http://arxiv.org/abs/' + id.substring(6);
4035   return 'http://arxiv.org/abs/' + id;
4036 };
4037
4038 typeMap['asin'] = function (id) {
4039   if (id.toLowerCase().startsWith('amazon.')) || id.startsWith('www.amazon.') return 'http://' + id;
4040   return 'http://www.amazon.com/dp/' + id;
4041 };
4042
4043 typeMap['bibcode'] = function (id) {
4044   if (id.toLowerCase().startsWith('adsabs.harvard.edu')) return 'http://' + id;
4045   return 'http://adsabs.harvard.edu/abs/' + id;
4046 };
4047
4048 typeMap['doi'] = function (id) {
4049   if (id.toLowerCase().startsWith('dx.doi.org') || id.toLowerCase().startsWith('doi.org')) return 'https://';
4050   return 'https://doi.org/' + id;
4051 };
4052
4053 typeMap['ethos'] = function (id) {
4054   if (id.toLowerCase().startsWith('ethos.bl.uk')) return 'http://' + id;
4055   return 'http://ethos.bl.uk/OrderDetails.do?uin=' + encodeURIComponent(id);
4056 };
4057
4058 typeMap['isbn'] = function (id) {
4059   if (id.toLowerCase().startsWith('amazon.com/dp/') || id.toLowerCase().startsWith('www.worldcat.org')) return
4060     'http://' + id;
4061   return 'http://www.worldcat.org/isbn/' + id.replace(/-/g, '');
4062 };
```

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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