

# Building a DCAT Merger

Pieter Heyvaert

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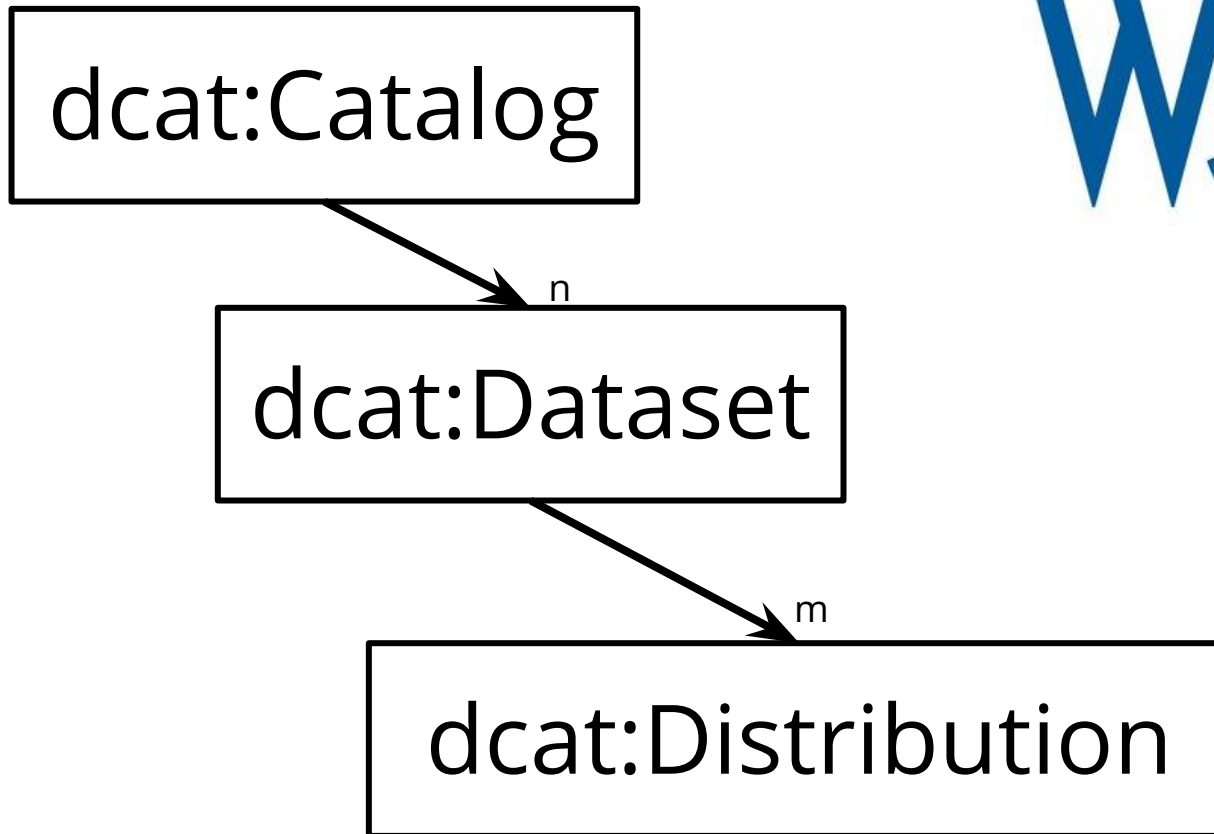
# Summary

What's DCAT?

3 simple Linked Data problems

A patch: we're launching DCAT Merger

Now What?



Distributing catalogs over the Web

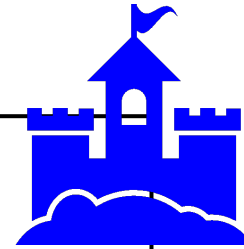
# 3 simple problems

```
ex1:Catalog a dcat:Catalog ;
  dcat:themeTaxonomy ex1:Tax ;
  dcat:dataset ex1:Dataset1 ;
  dct:creator [ foaf:name "Pieter Heyvaert" ] .
```



```
ex1:Dataset1 a dcat:Dataset ;
  dcat:theme eurovoc:215481 .
```

```
ex2:Catalog a dcat:Catalog ;
  dcat:themeTaxonomy ex2:Tax ;
  dcat:dataset ex2:Dataset1 ;
  dct:creator [ schema:name "Pieter Heyvaert" ] .
```



```
ex2:Dataset1 a dcat:Dataset ;
  dcat:theme dbpedia:Education .
```

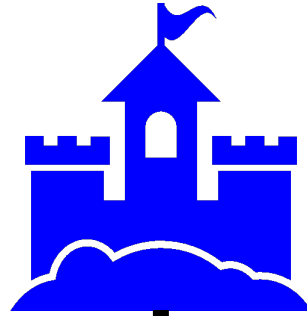
1

Different ways of adding additional information

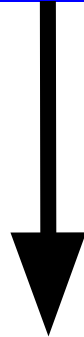
# 3 simple problems



SPARQL1.1



RDFa



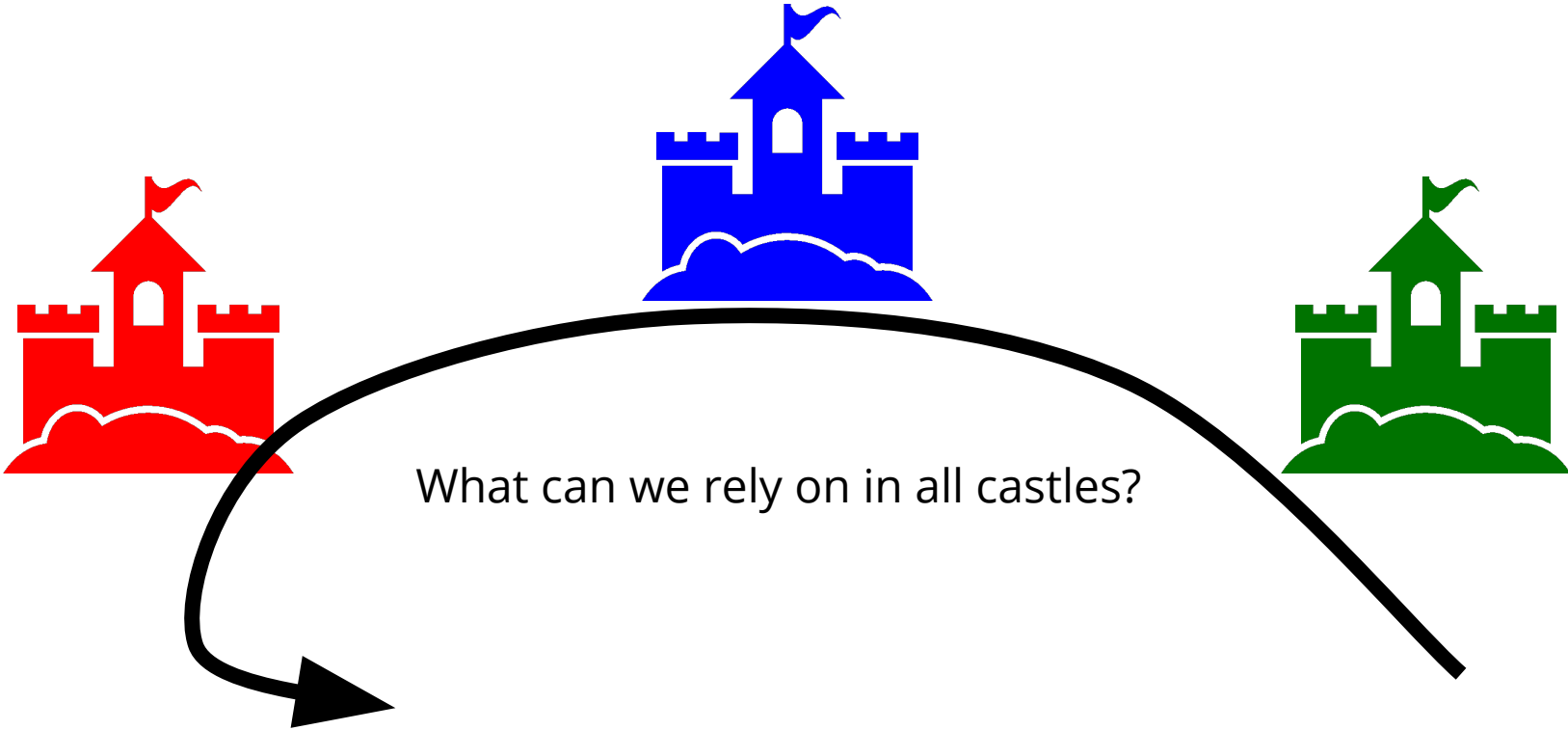
Custom  
Web API



2

Different protocols to retrieve data

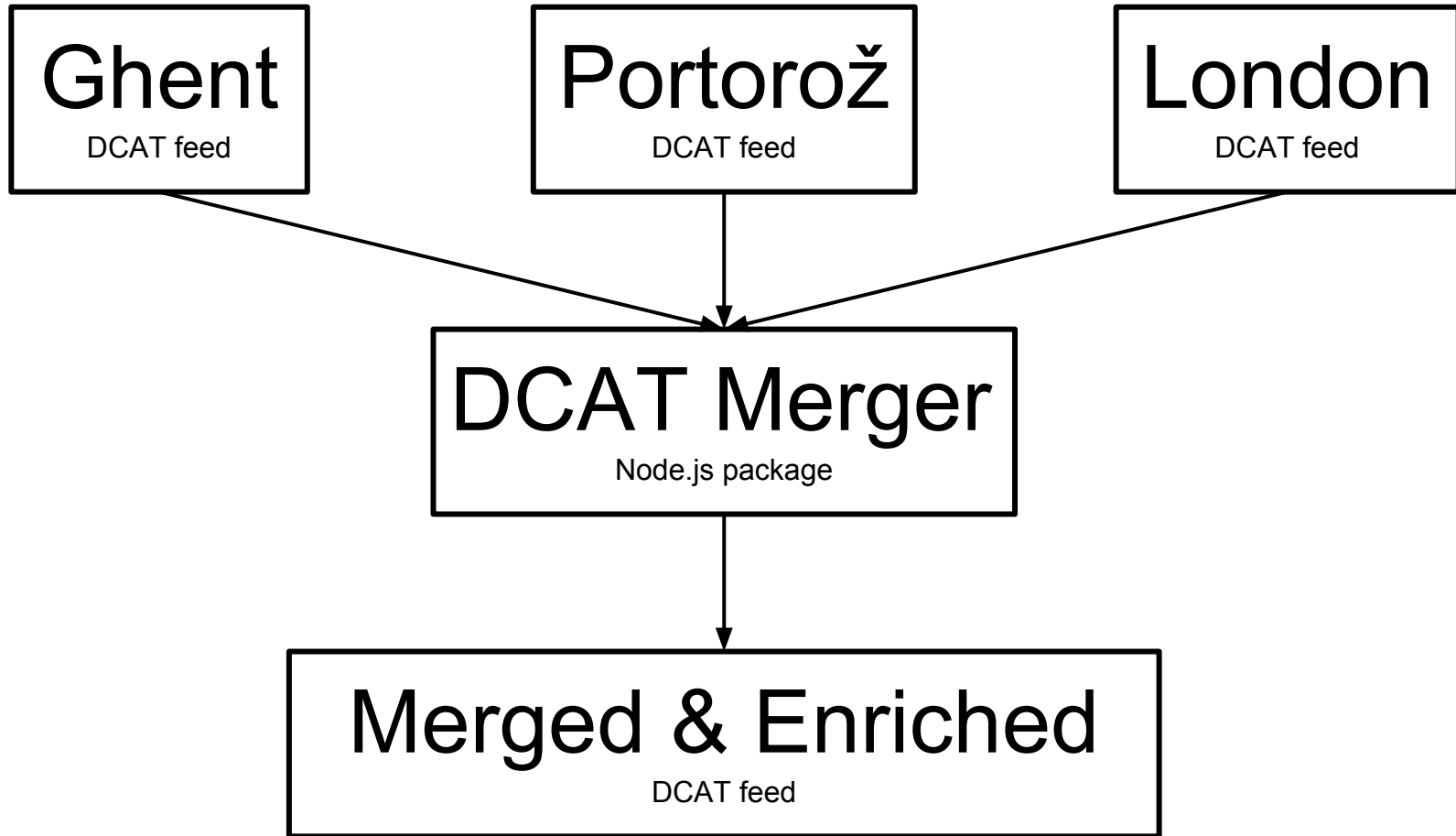
# 3 simple problems



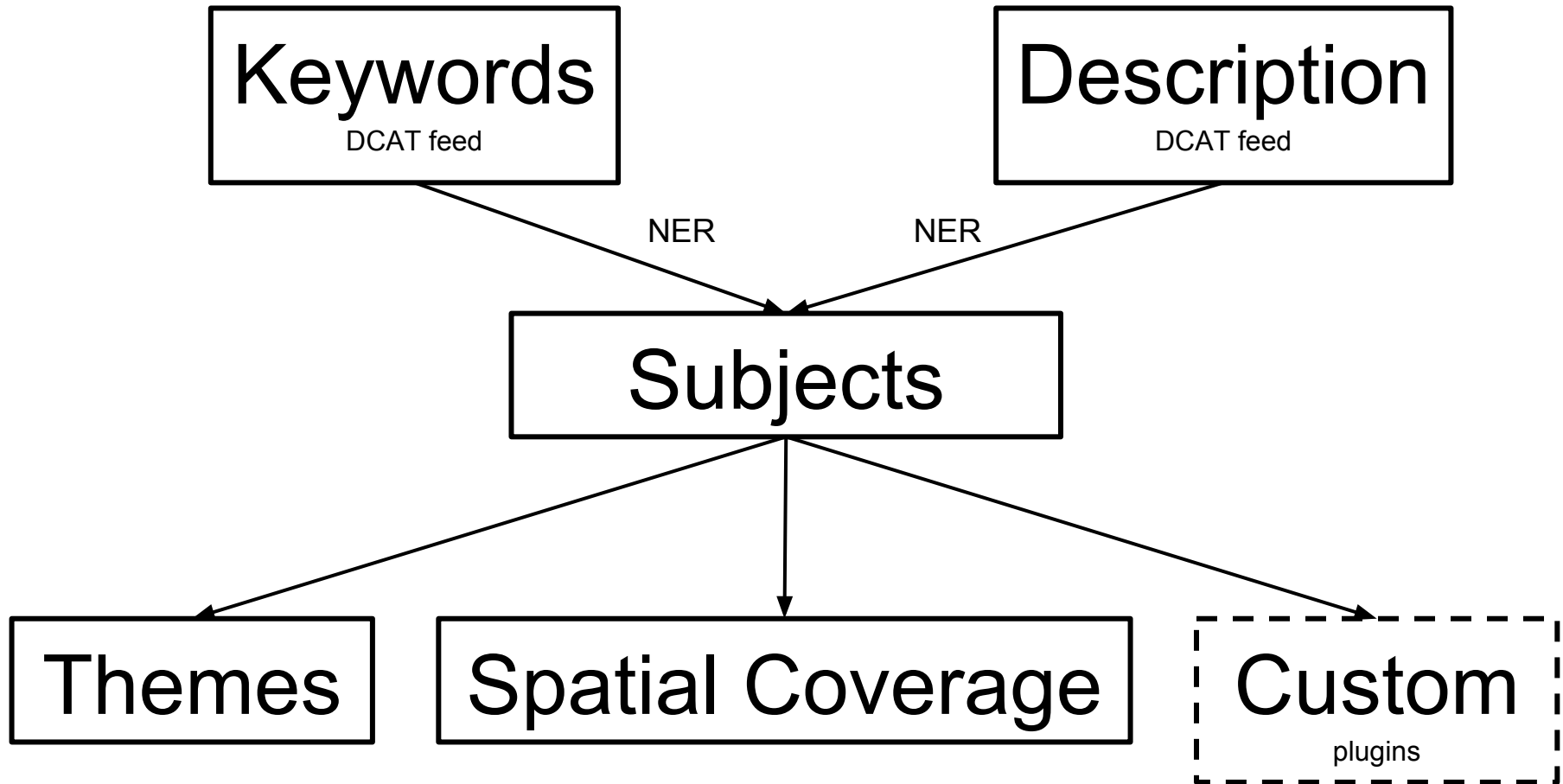
3

“Local Querying” is not Web Querying

# DCAT Merger (1)



# Enriching Feeds





# Advantages

different way of adding additional information →  
enriched feeds

different protocols → single feed

not possible to query all at the same time → single feed

# Now What? (1)

Is there a better way to discover data catalogues?

Do we need to create a single point where all feeds URIs are collected? (↔ distributed)

Is a hierarchy of DCAT Mergers a solution?

## Now What? (2)

Can we consider republishing the (enhanced) feeds as a good thing?

Do we need to define protocol guidelines for the creation of data catalogues?