

neo4j

a case study

_____ or _____

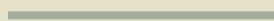
preaching to the converted

_____ or _____

the things I do for free beer



RKS_FOR



RKS_FOR



Me



Github

kouphax



Blog



Twitter

RKS_FOR



kouphax



<http://yobriefca.se>



RKS_FOR



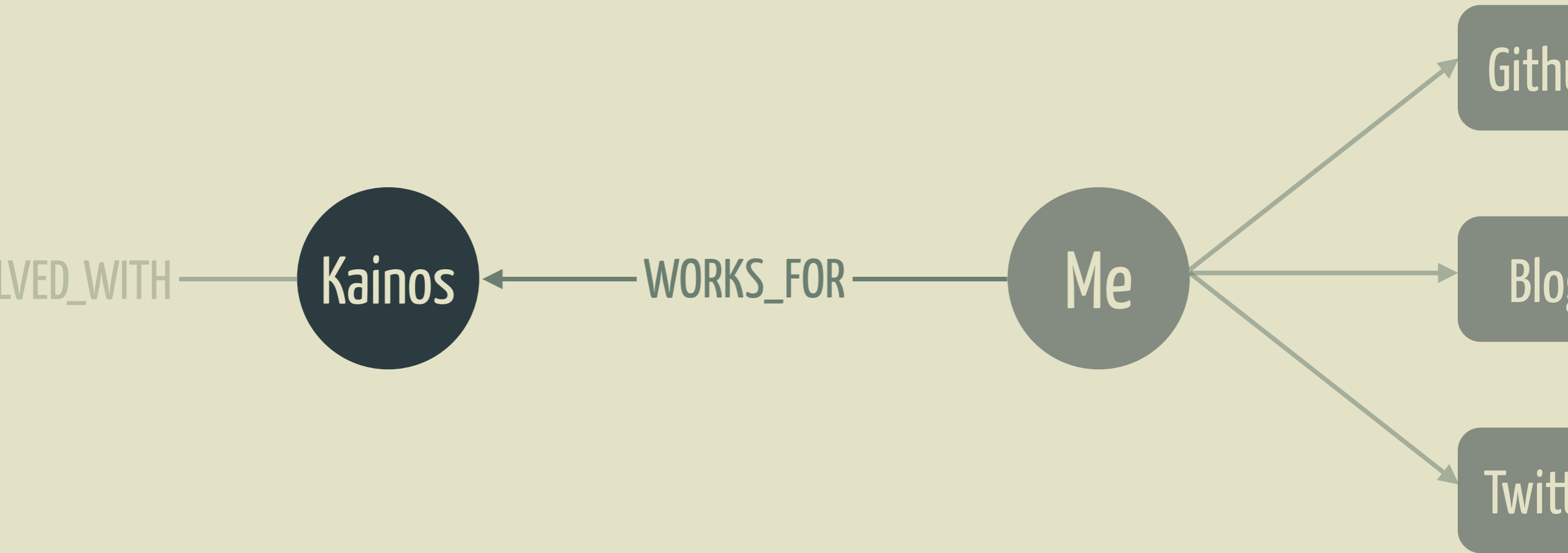
kouphax

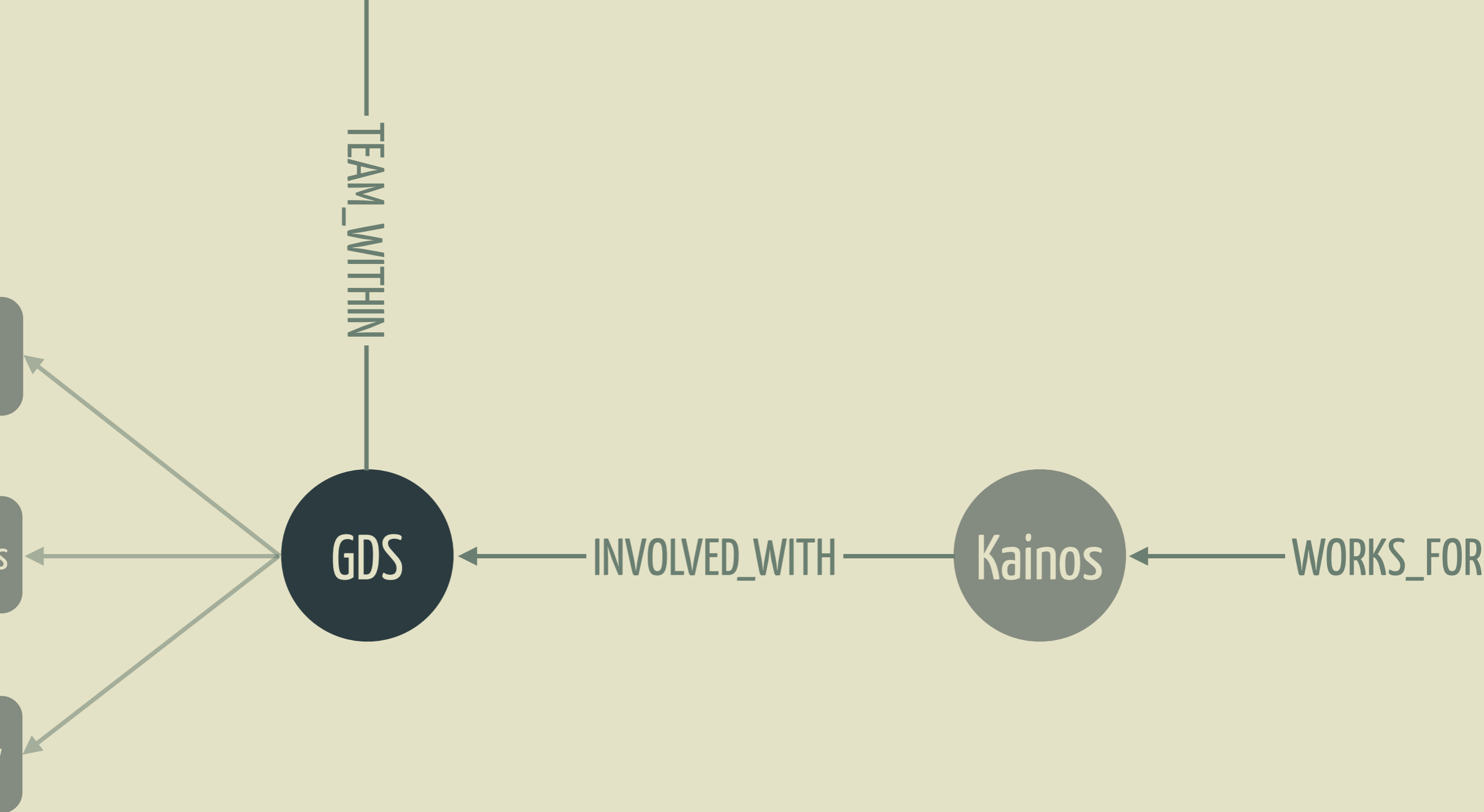


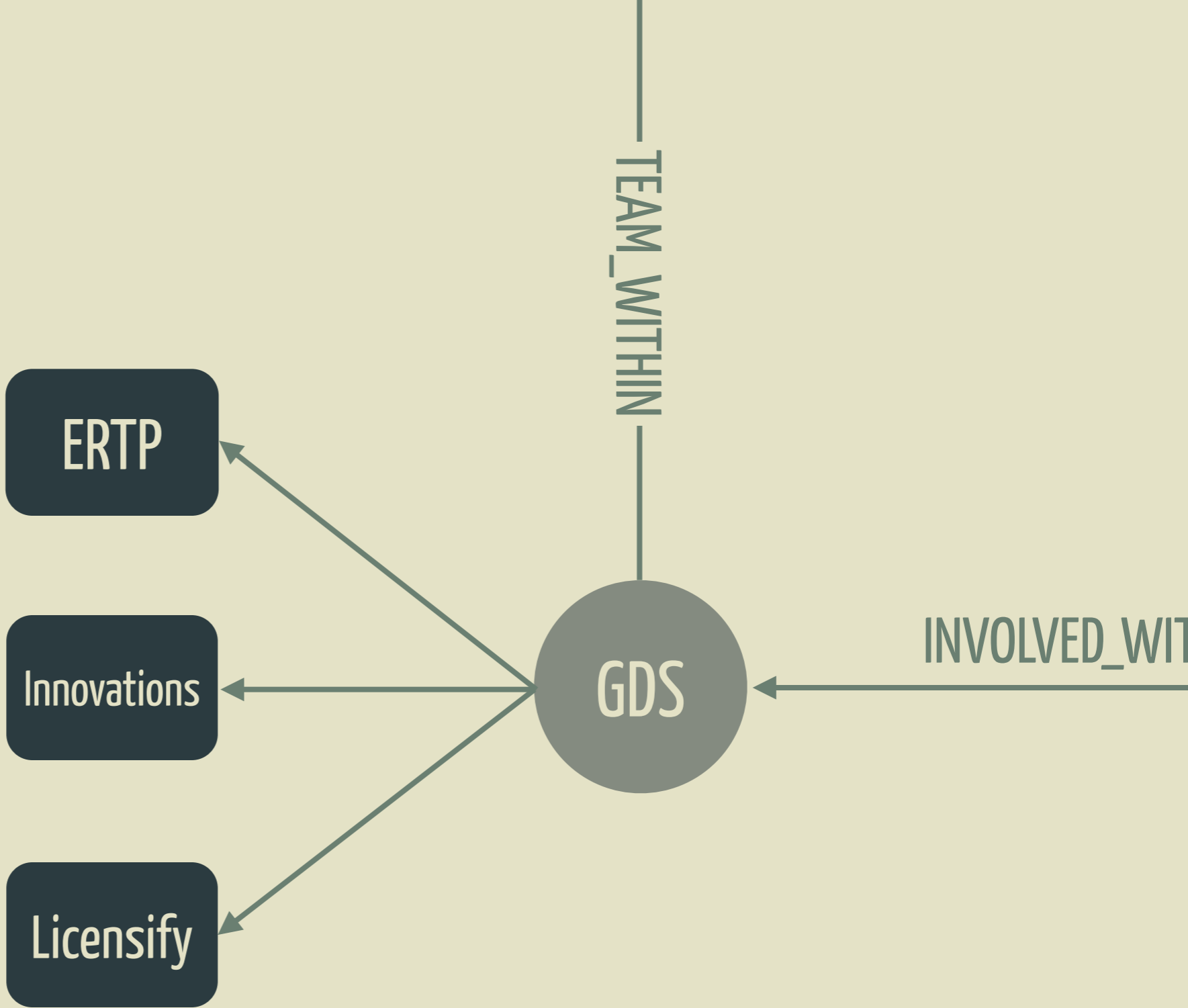
<http://yobriefca.se>

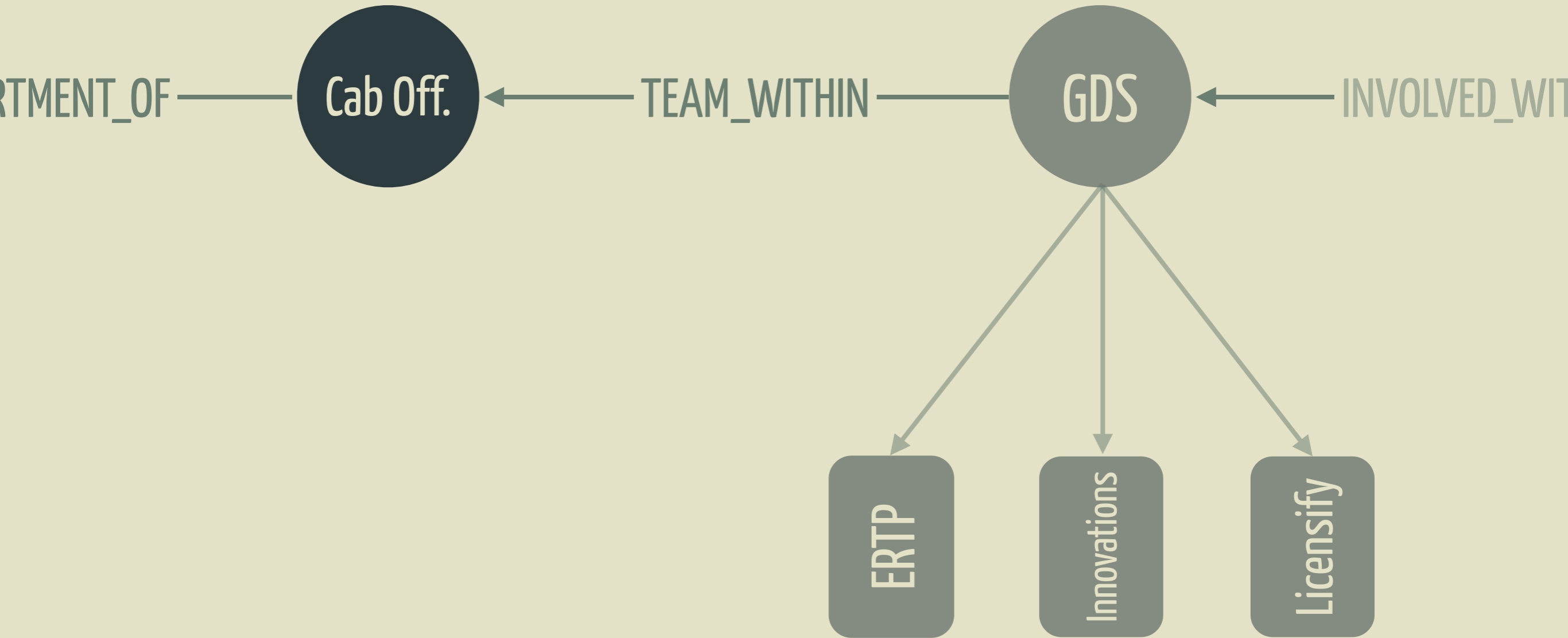


@kouphax









PARTMENT_OF



Gov.



DEPARTMENT_OF

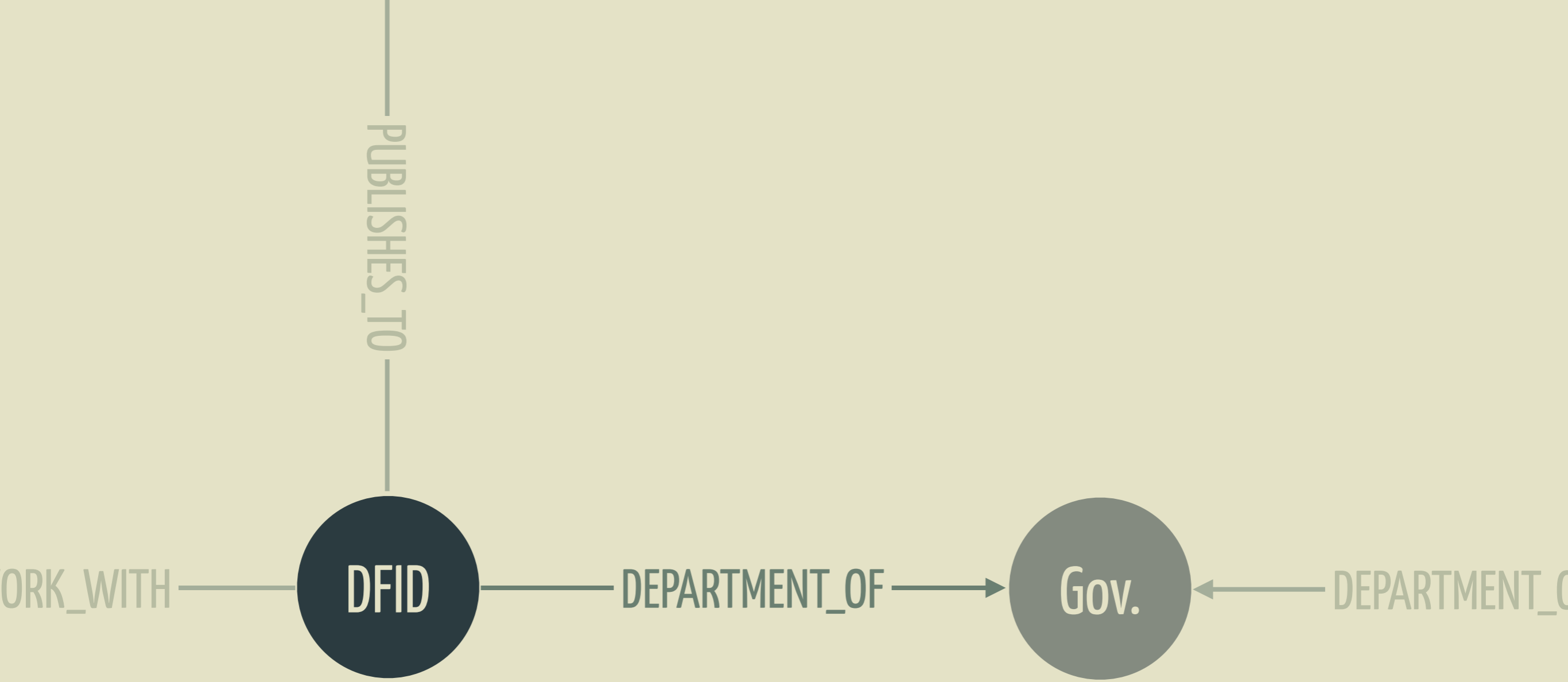


Cab Off.

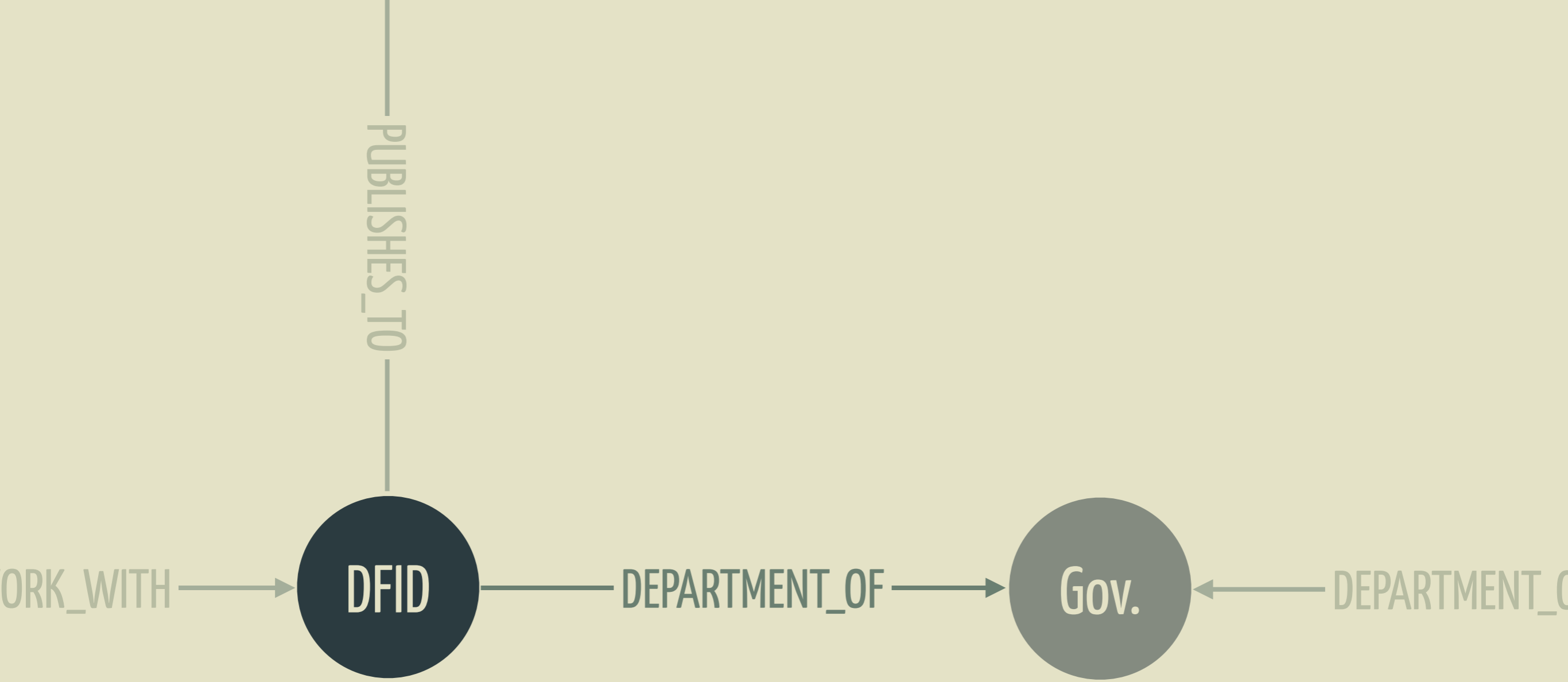


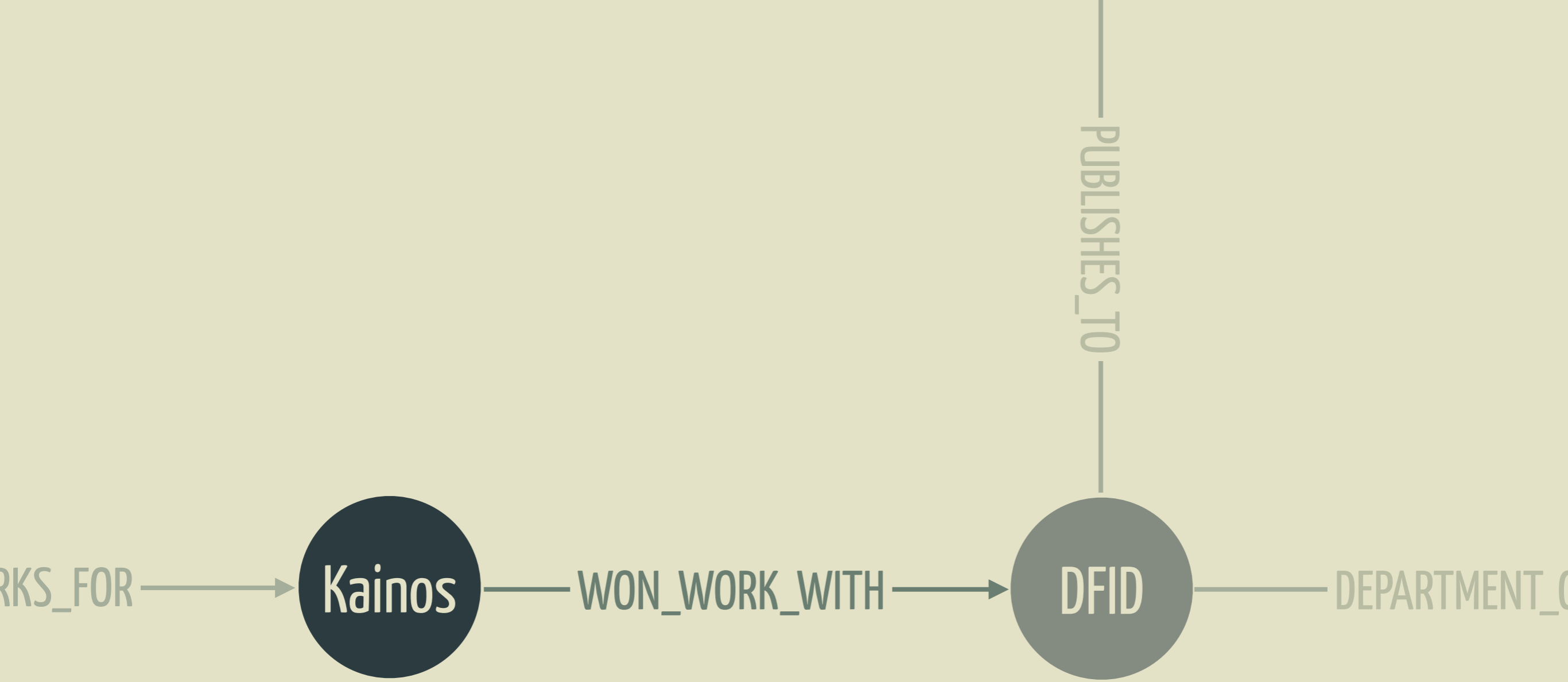
TEAM_WITHIN







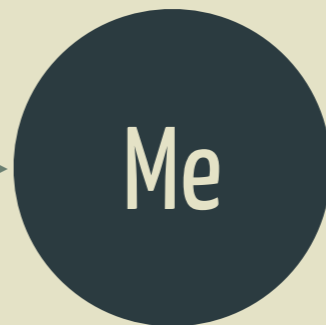








← SOMEHOW_RELATED →

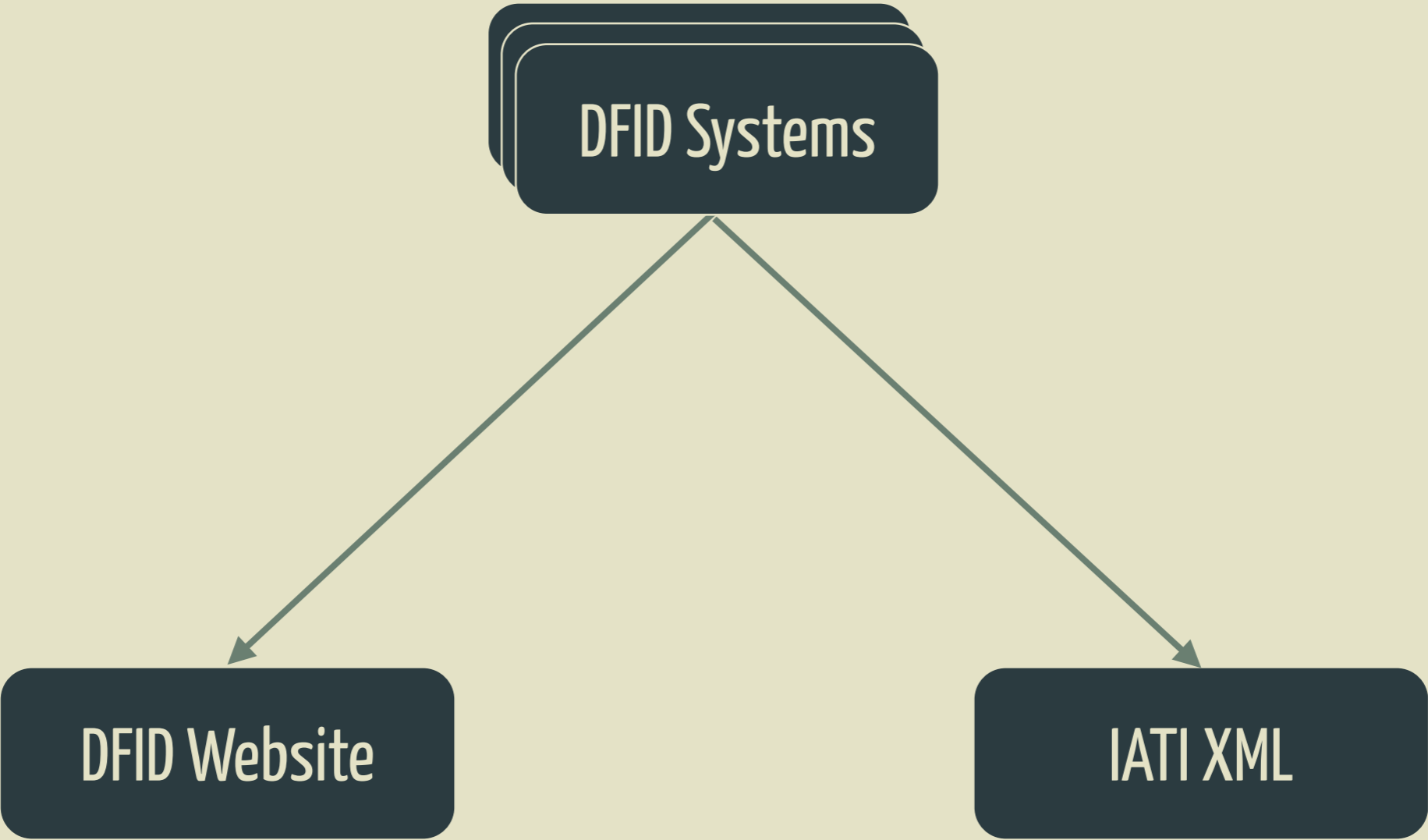


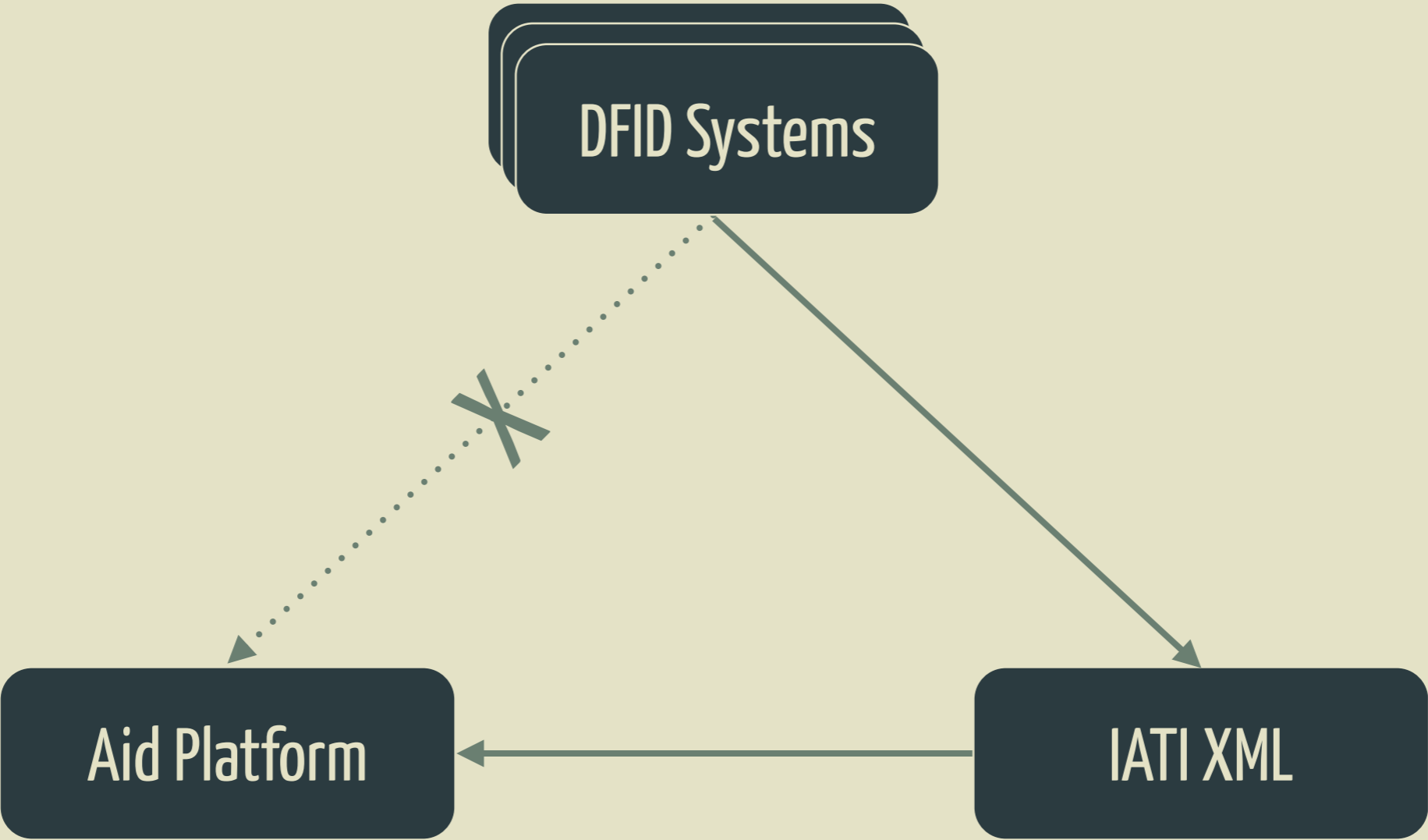
— WORKS_FOR —

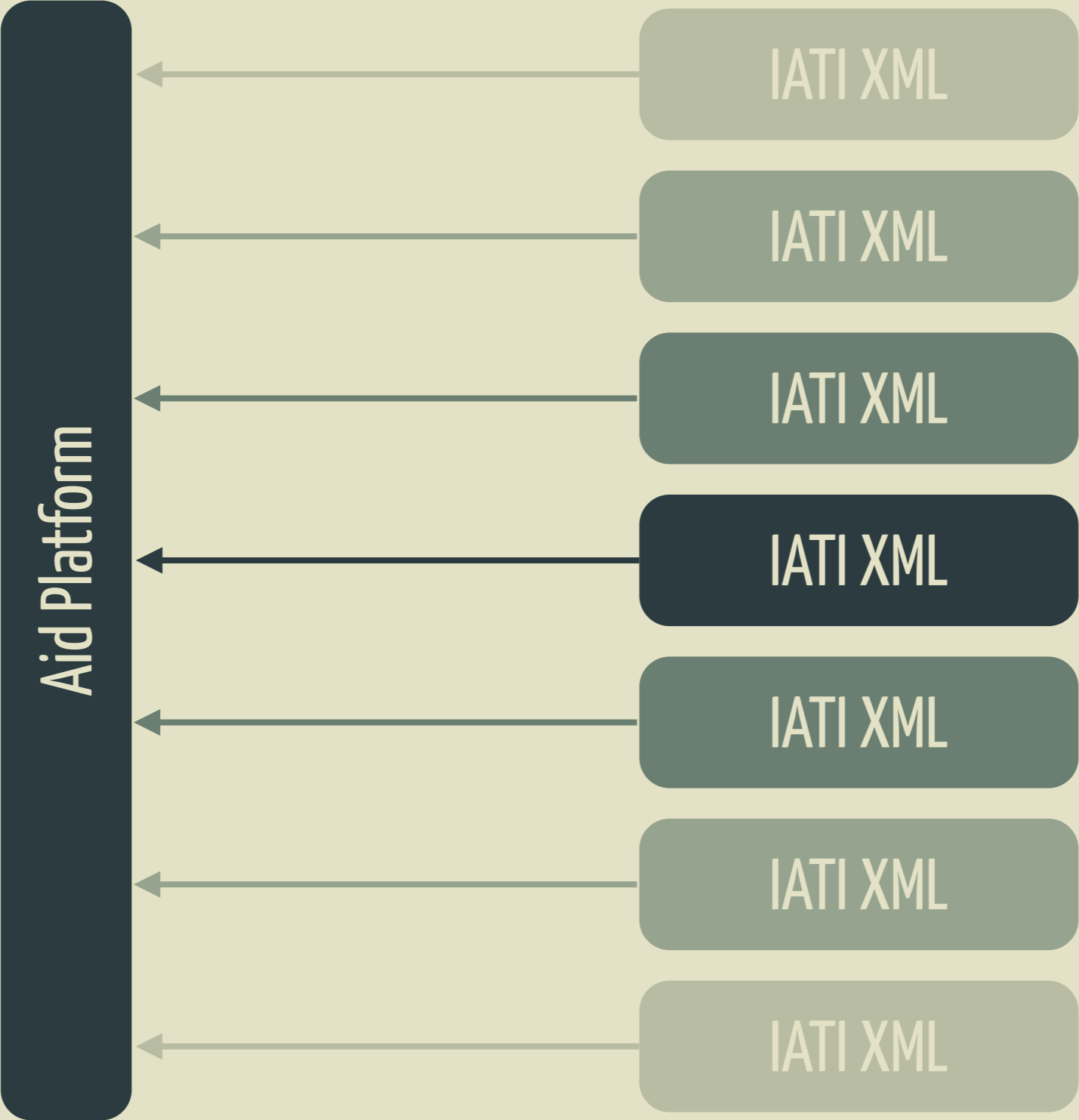
A dark blue circle containing the text "Aid Platform" in white, bold, sans-serif font. The word "Aid" is positioned above "Platform".

**Aid
Platform**

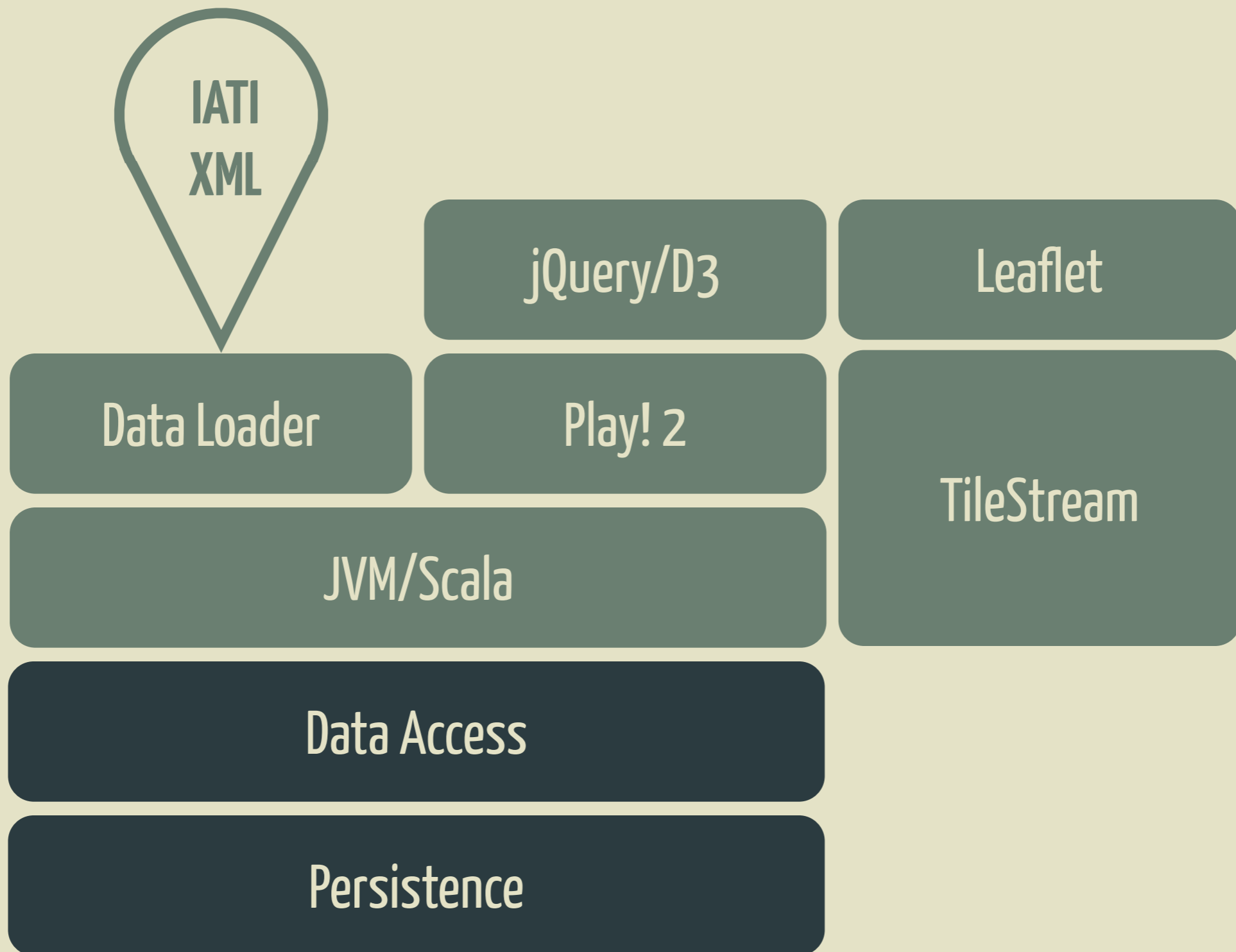
**The ability to trace all money spent
through its entire journey from source
to its final destination**







**The
Solution**



Region

Country

Organisation

Budget

Project

Transaction

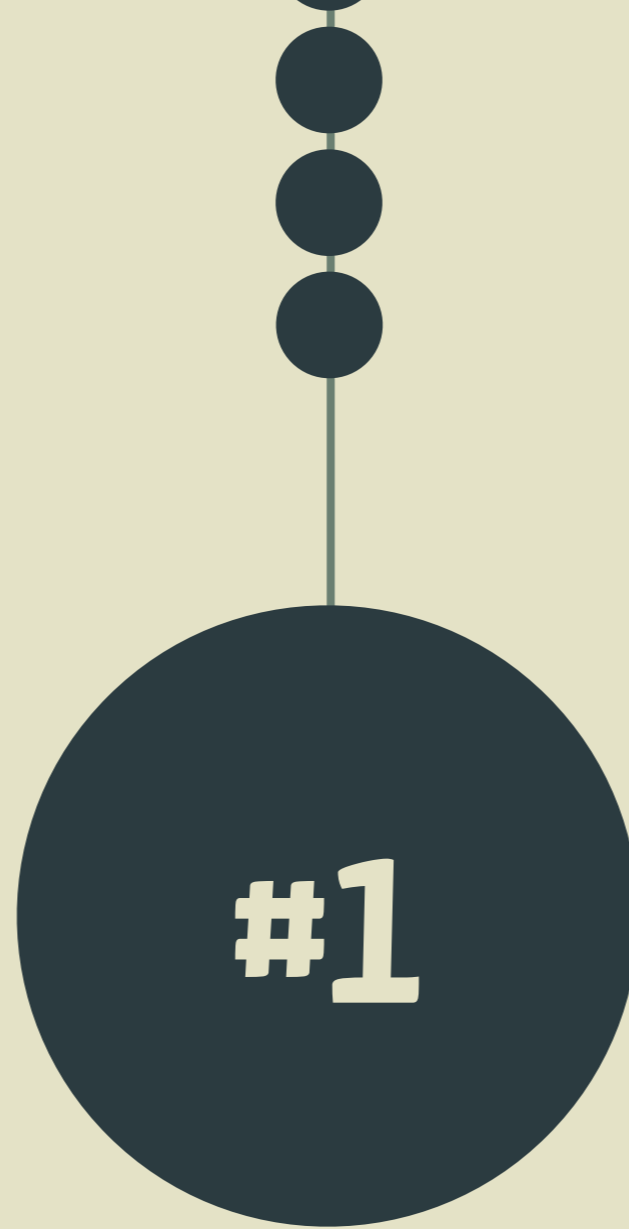
Disbursement

Component

Location

Results

Document



hell is other people's api



jQuery/D3

Leaflet

Play! 2

TileStream

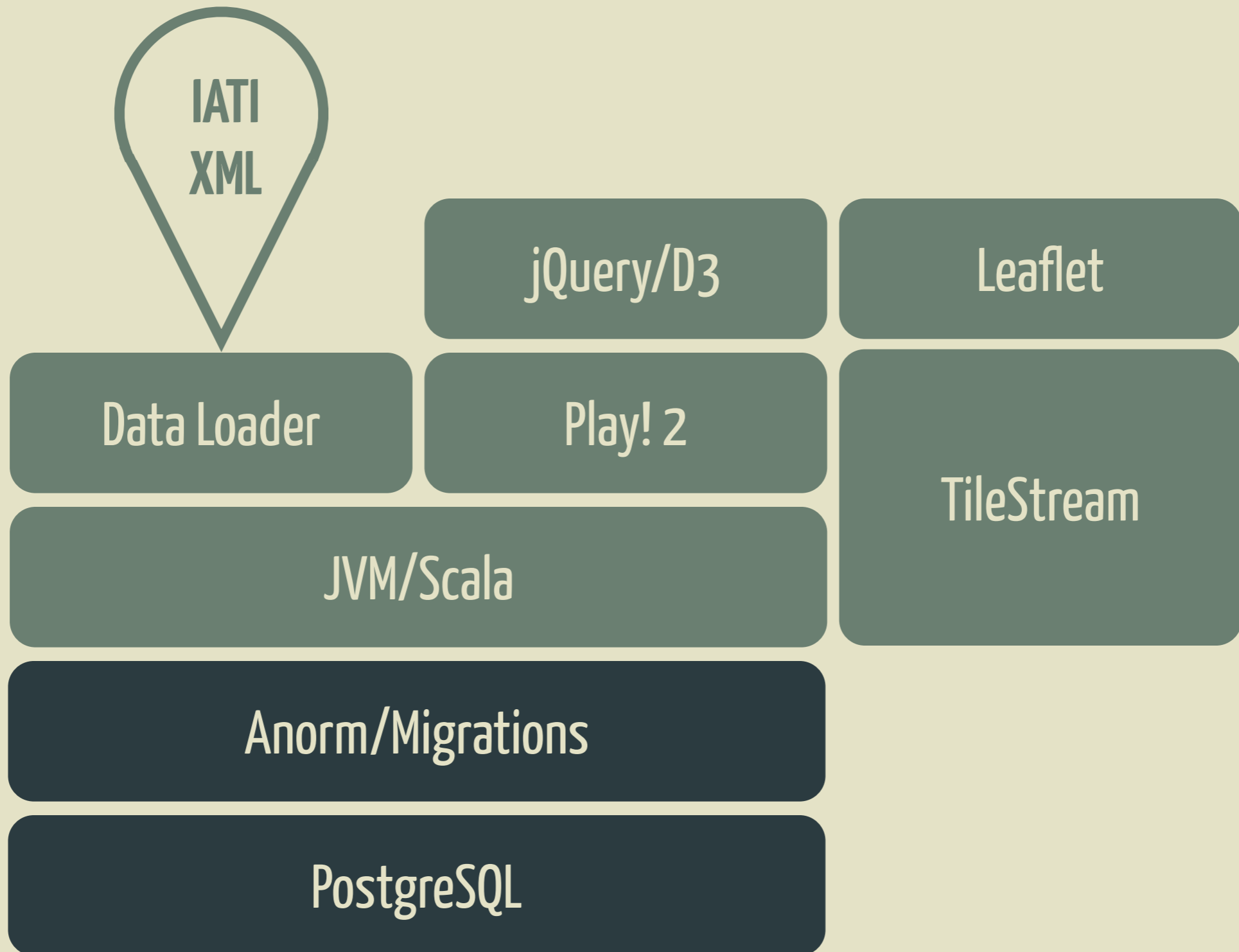
JVM/Scala

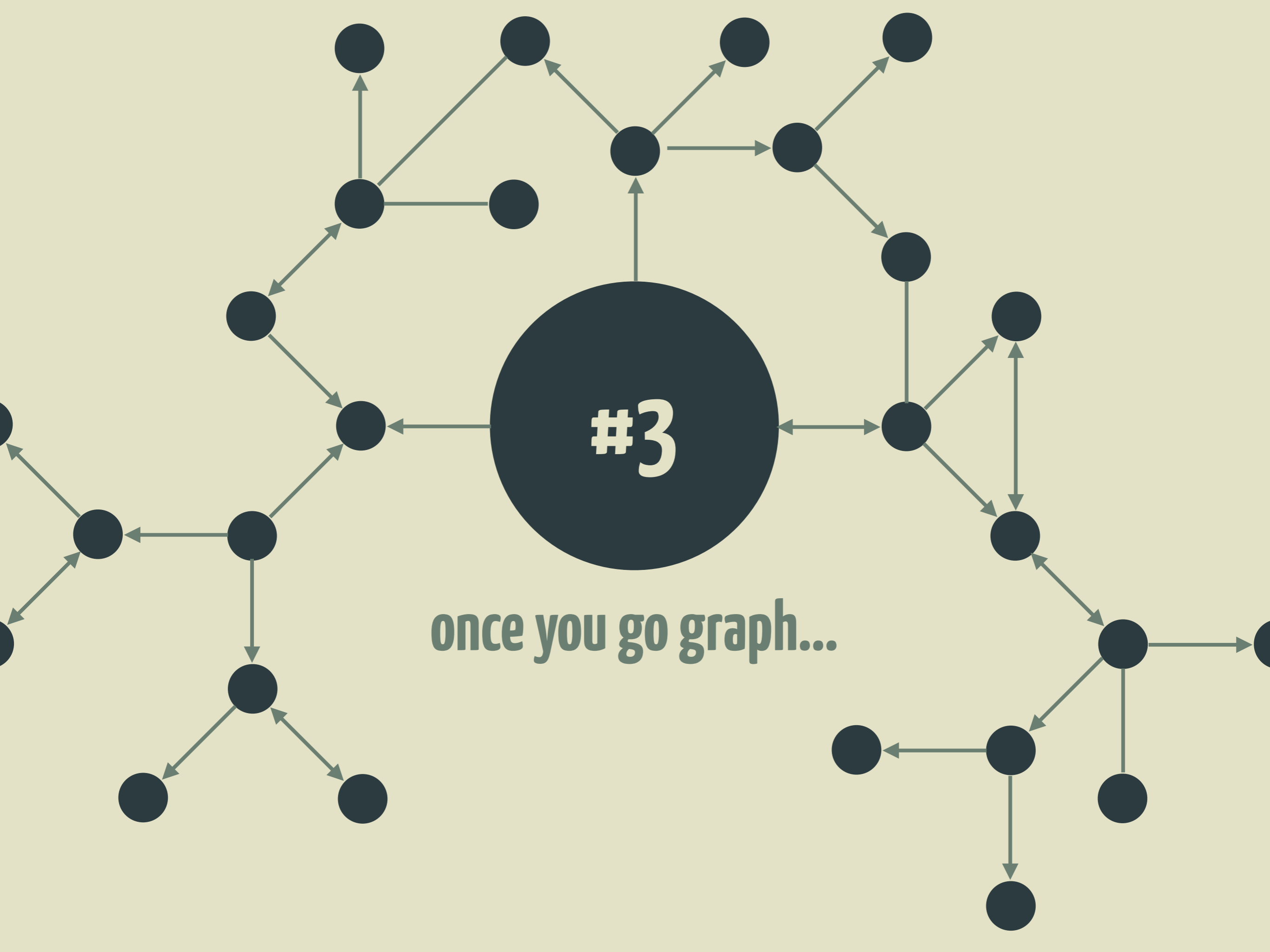
OIPA API

MySQL



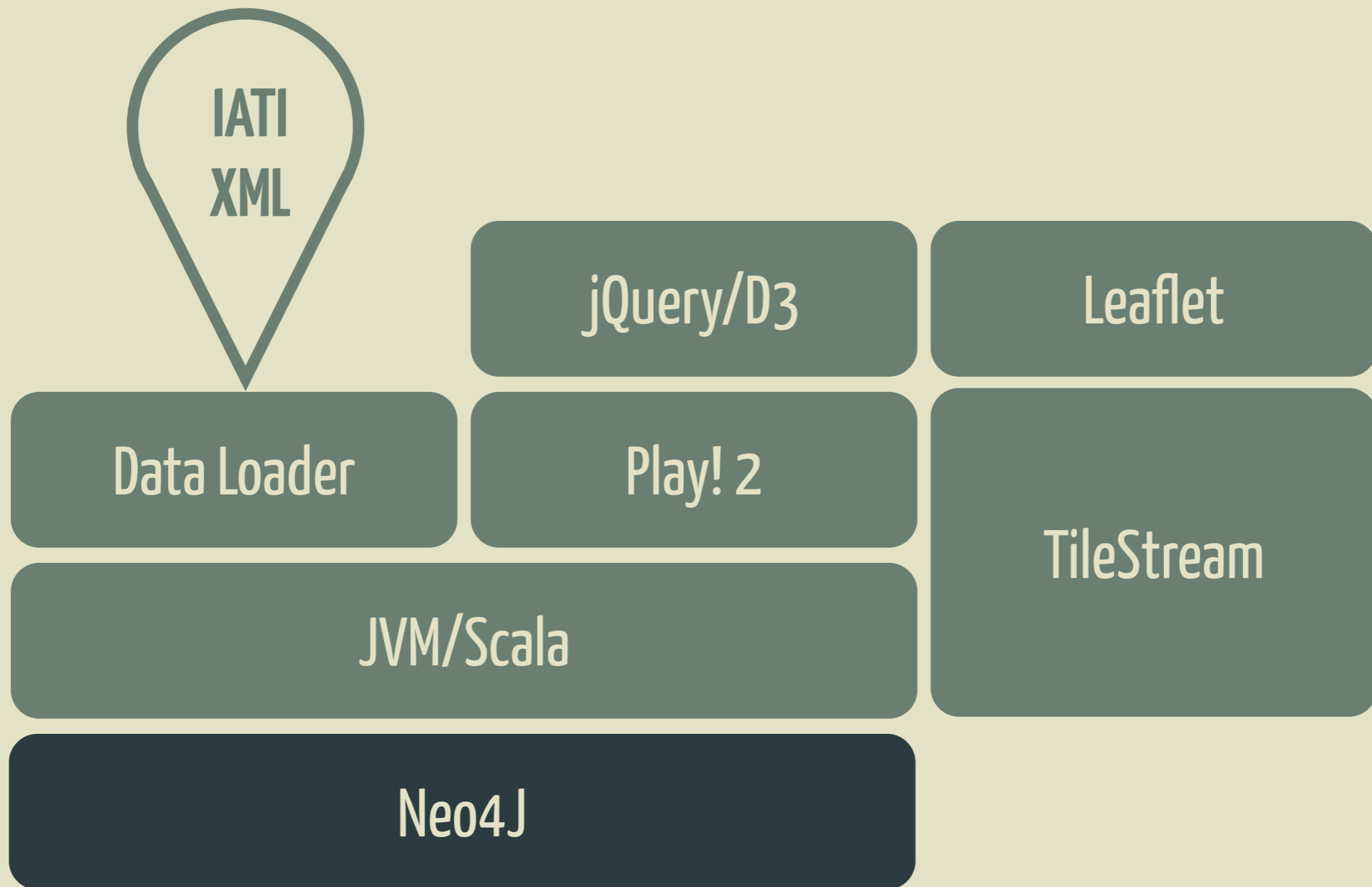
relational databases are a lie





#3

once you go graph...



neo4j-scala

```
val org = createNode(orgModel)
```

```
val country = createNode(countryModel)
```

```
org --> "HAS_RECIPIENT_COUNTRY" --> country
```


neo4j-scala

```
val index = getNodeIndex("activity").get  
val node = index.get("id",id).getSingle
```

```
val budgets = node.doTraverse[Budget](  
  follow ->- "HAS_BUDGET"  
) {  
  END_OF_GRAPH  
} {  
  ALL_BUT_START_NODE  
}
```

neo4j-scala

```
query[Node]("""  
  | START      global=node(0)  
  | MATCH      global-[:IS_SUB_LOCATION]->location<-[:IS_REC  
  | RETURN     DISTINCT n  
  | ORDER BY   n.projectBudget desc  
  | LIMIT      5  
""").stripMargin).map(_.toCC[Activity])
```



**The
Future**



**C'est
Fini**

Slides and Resources

<http://yobriefca.se>