

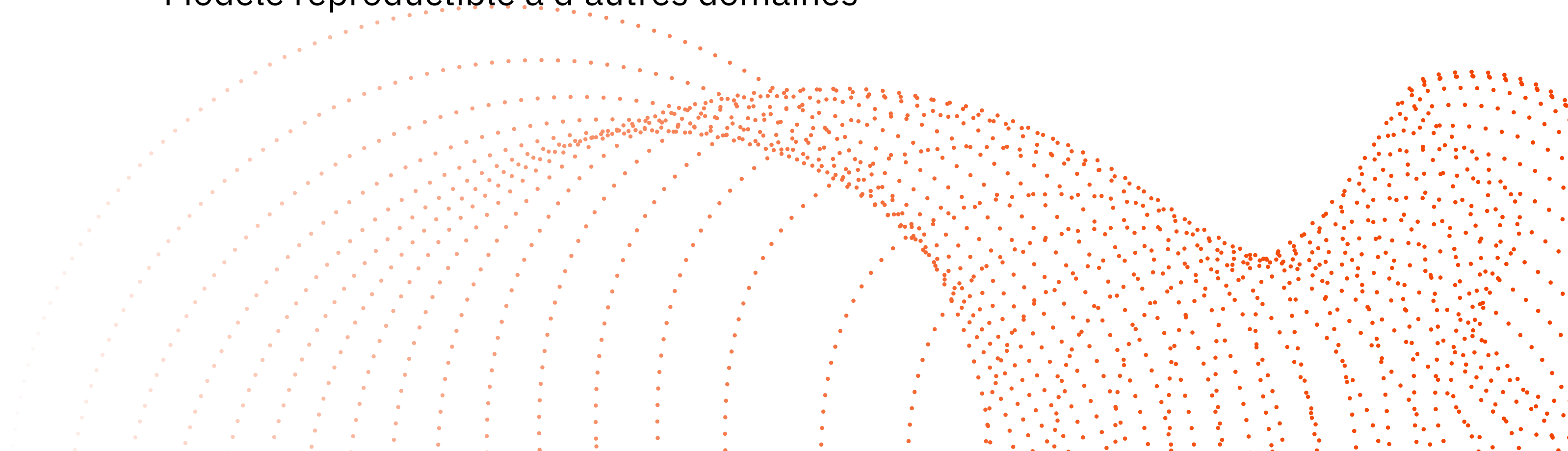
# DATA HORIZON

Présentation technique

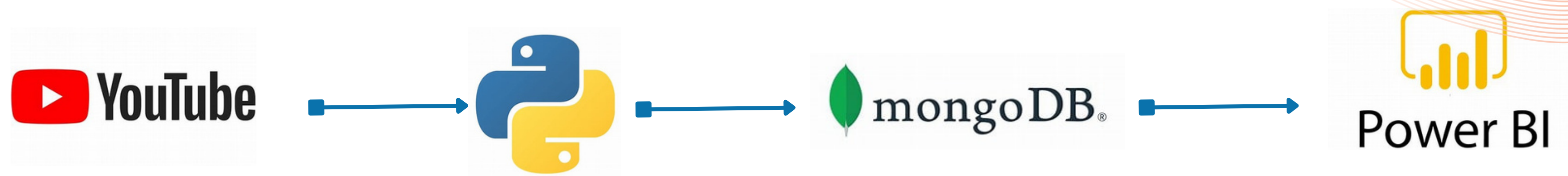
- Introduction
- Architecture de l'application
- Récupération des données
- Stratégie de stockage
- Démo
- Conclusion

# Introduction

- Statistiques des évolutions du domaine data
- Offrir des dashboards clé en main
- Modèle reproductible à d'autres domaines



# Architecture de l'application



# Récupération de données



**Données nécessaires au  
projet**



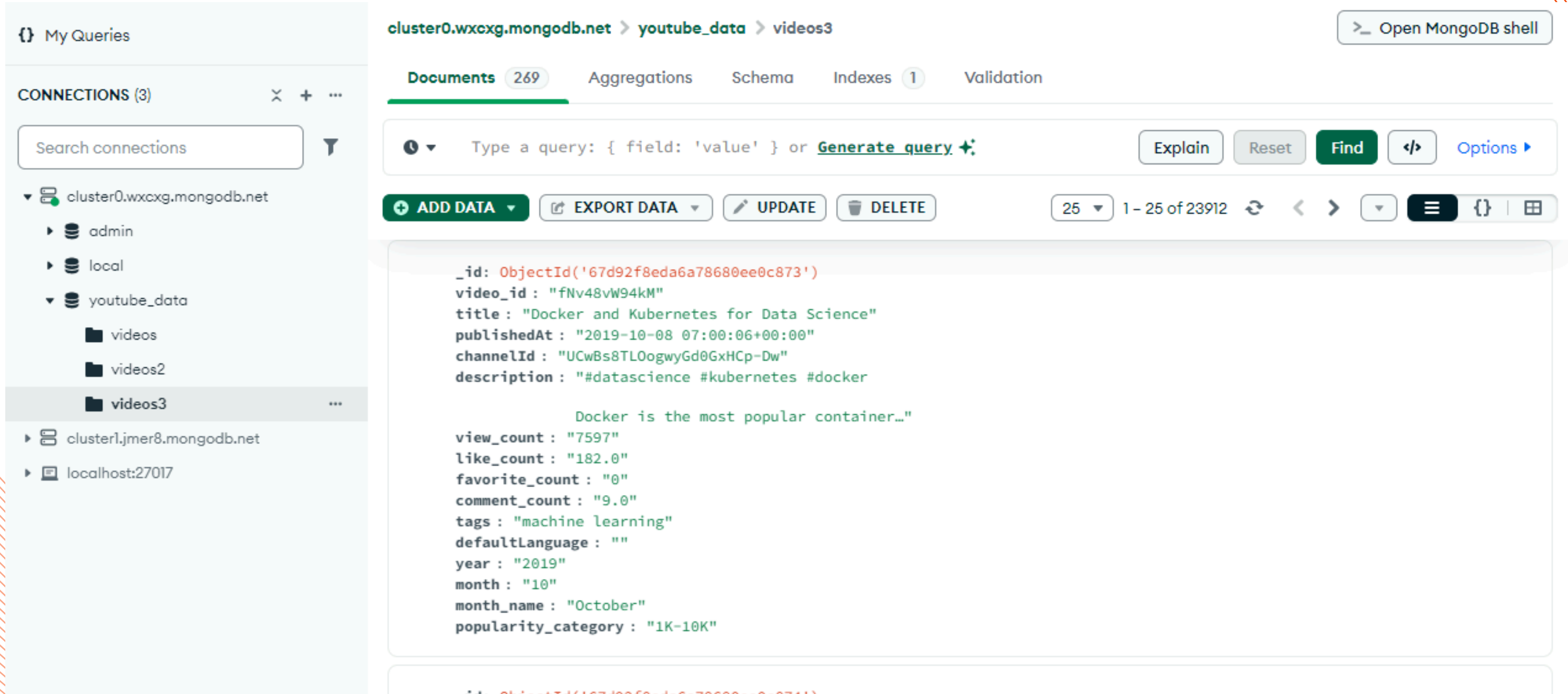
**Api YouTube**



**Transformation des  
données**



# Stratégies de stockage



The screenshot displays the MongoDB Atlas web interface. On the left sidebar, under 'My Queries', the 'CONNECTIONS (3)' section is expanded, showing a tree structure with 'cluster0.wxcxg.mongodb.net' selected, containing 'admin', 'local', and 'youtube\_data' databases. The 'youtube\_data' database is further expanded to show 'videos', 'videos2', and 'videos3' collections, with 'videos3' selected.

The main panel shows the 'cluster0.wxcxg.mongodb.net > youtube\_data > videos3' path. The 'Documents' tab is active, showing 269 documents. The query bar contains the text 'Type a query: { field: 'value' } or [Generate query](#)'. Below the query bar are buttons for 'ADD DATA', 'EXPORT DATA', 'UPDATE', and 'DELETE'. The document list shows 25 items, with the first document displayed in a preview window.

```
{
  "_id": ObjectId('67d92f8eda6a78680ee0c873'),
  "video_id": "fNv48vW94kM",
  "title": "Docker and Kubernetes for Data Science",
  "publishedAt": "2019-10-08 07:00:06+00:00",
  "channelId": "UCwBs8TL0ogwyGd0GxHCp-Dw",
  "description": "#datascience #kubernetes #docker\n\nDocker is the most popular container..."
  "view_count": "7597",
  "like_count": "182.0",
  "favorite_count": "0",
  "comment_count": "9.0",
  "tags": "machine learning",
  "defaultLanguage": "",
  "year": "2019",
  "month": "10",
  "month_name": "October",
  "popularity_category": "1K-10K"
}
```

# Démo

# Conclusion

- POC de la méthode avec récupération, stockage et visualisation des données
- Utilisation d'outils open source
- Evolution possible vers d'autres outils selon l'avancement du projet



Merci pour  
votre attention

