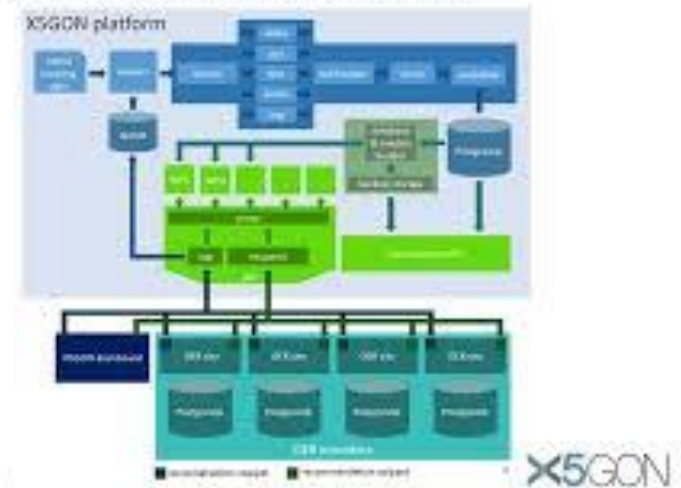


Cross Modal,
Cross Cultural,
Cross Lingual,
Cross Domain,
and Cross Site Global
OER Network



X5GON Platform Architecture



API endpoint Tutorial

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X5GON



X5GON (<https://platform.x5gon.org/>)

A new AI-driven platform that will deliver OER content from everywhere, for the students' need at the right time and place.

- *Aggregation*
- *Curation*
- **Personalization**
- **Creation**

Materials Catalogue



- A full dataset of all the materials in X5GON (100K OERs)
- Data Found at: <https://bit.ly/2pT5TFR>
- Summary information about OER materials
 - **id:** Material ID to be used to query the APIs
 - **title:** title of the OER resource
 - **type:** Type of content (pdf, mp4 etc.)
 - **language:** Language (en, fr, sl etc.)
 - **keywords:** A set of keywords about the content (Not ordered)
 - **concepts:** Most relevant Wikipedia concepts about content (Most relevant to least relevant)

Materials Catalogue

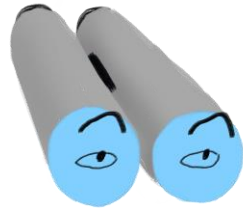
- A full dataset of all the materials in X5GON (100K OERs)
- Data Found at:

<https://bit.ly/2pT5TFR>

X5GON currently supports 2 main APIs:

- 1. Feed API:** The set of endpoints that will allow browsing and accessing meta-information about the OER materials feed.
- 2. Learning Analytics Machine (LAM API):** The set of API endpoints that provide AI features extracted from the OER materials

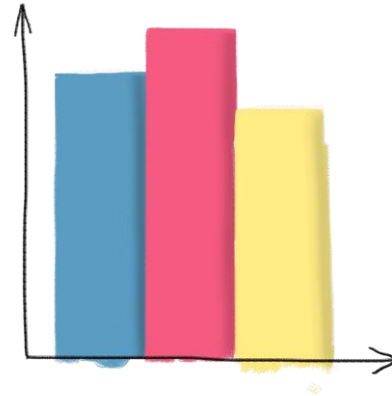
Feed API



- **Base URL :** <https://platform.x5gon.org/api/v1>
- **Docs:** <https://platform.x5gon.org/products/feed>
- **Two main components:**
 - **Query REST API**
 - <https://platform.x5gon.org/products/feed#query-rest-api>
 - **Recommender REST API**
 - <https://platform.x5gon.org/products/feed#recommender-rest-api>

Learning Analytics Machine API (LAM API)

- **Base URL :** <https://platform.x5gon.org/api/v1>
- **Docs:** <http://wp3.x5gon.org/lamapidoc>
- **Multiple components:**
 - **Temporal**
 - **Distance**
 - **Difficulty**
 - **Pre-process**



Python Coding Examples

- Go to Microsoft Azure Notebook project at:

<https://bit.ly/33LGH3a>

- Clone Project
- Start Building !!!