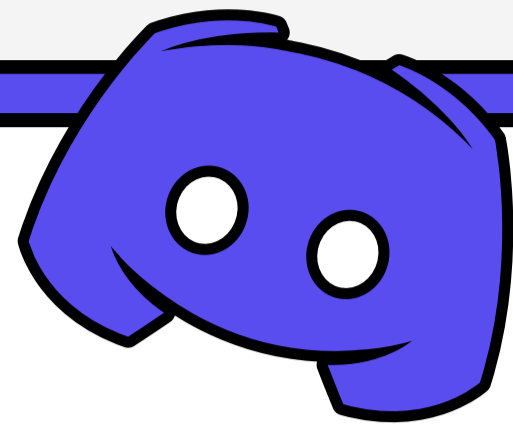# FASTLISA TOOLS

FASTLISA is developing several methodological and technical tools, using **Artificial Intelligence** and **Natural Language Processing**, for analyzing digital speech in different scenarios and contexts: The **Use Cases**
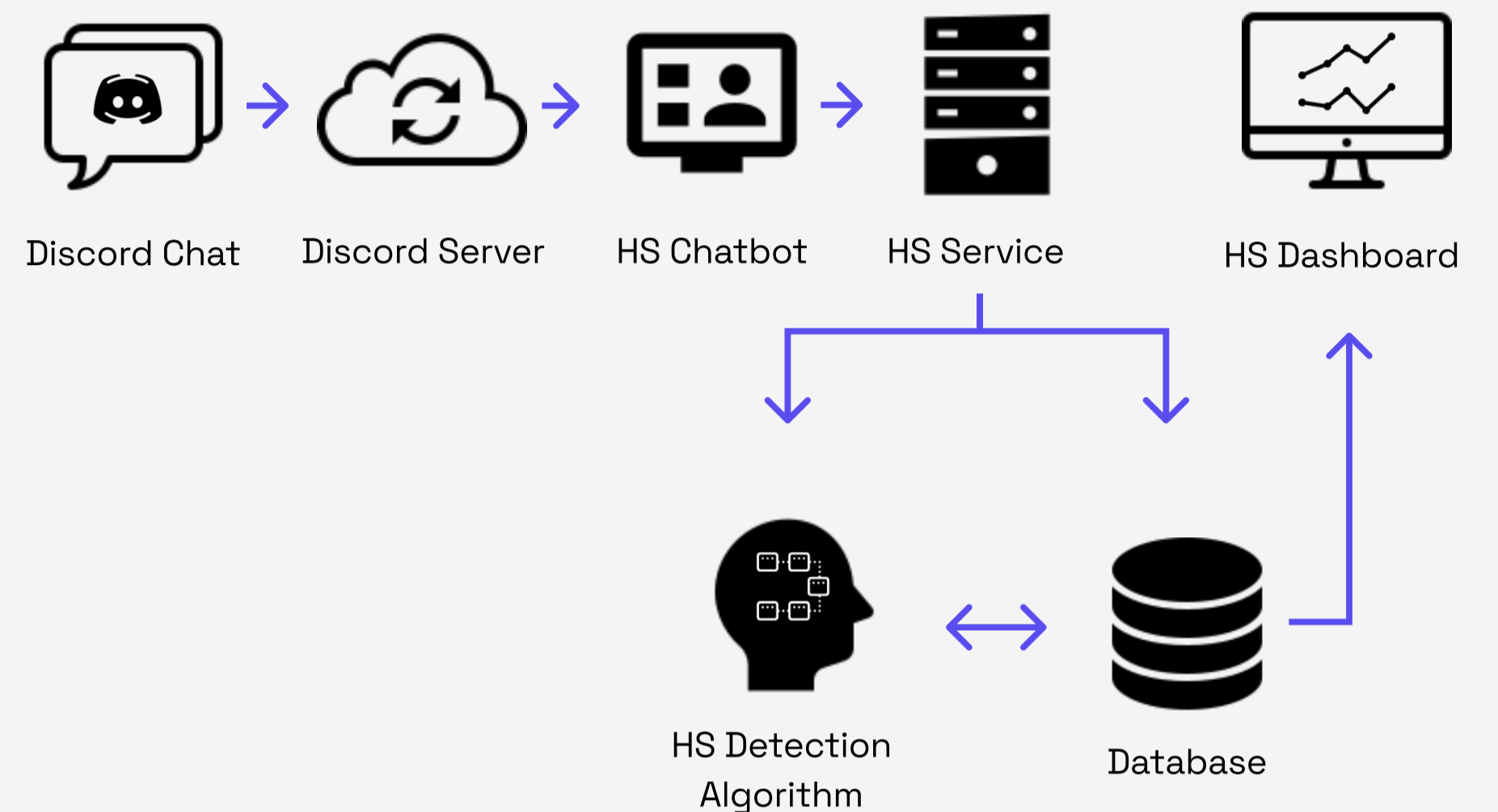
→ USE CASES

YOUTH: ROLE-PLAYS IN SCHOOLS USING DISCORD — A

Consist of simulated discussions about specific topics in classrooms where students will be divided into two groups, while previously trained teachers will act as moderators.

The discussions will be conducted using anonymized accounts through Discord which uses a newly developed language supervision extension that includes a **Hate Speech Detection Algorithm**. The developed tool will produce anonymized statistics, analyses, and graphs displayed in the **Hate Speech Dashboard**. This will provide direction for teachers to analyze dynamics, behaviors, and language that could lead to hate speech and discuss them with the students.
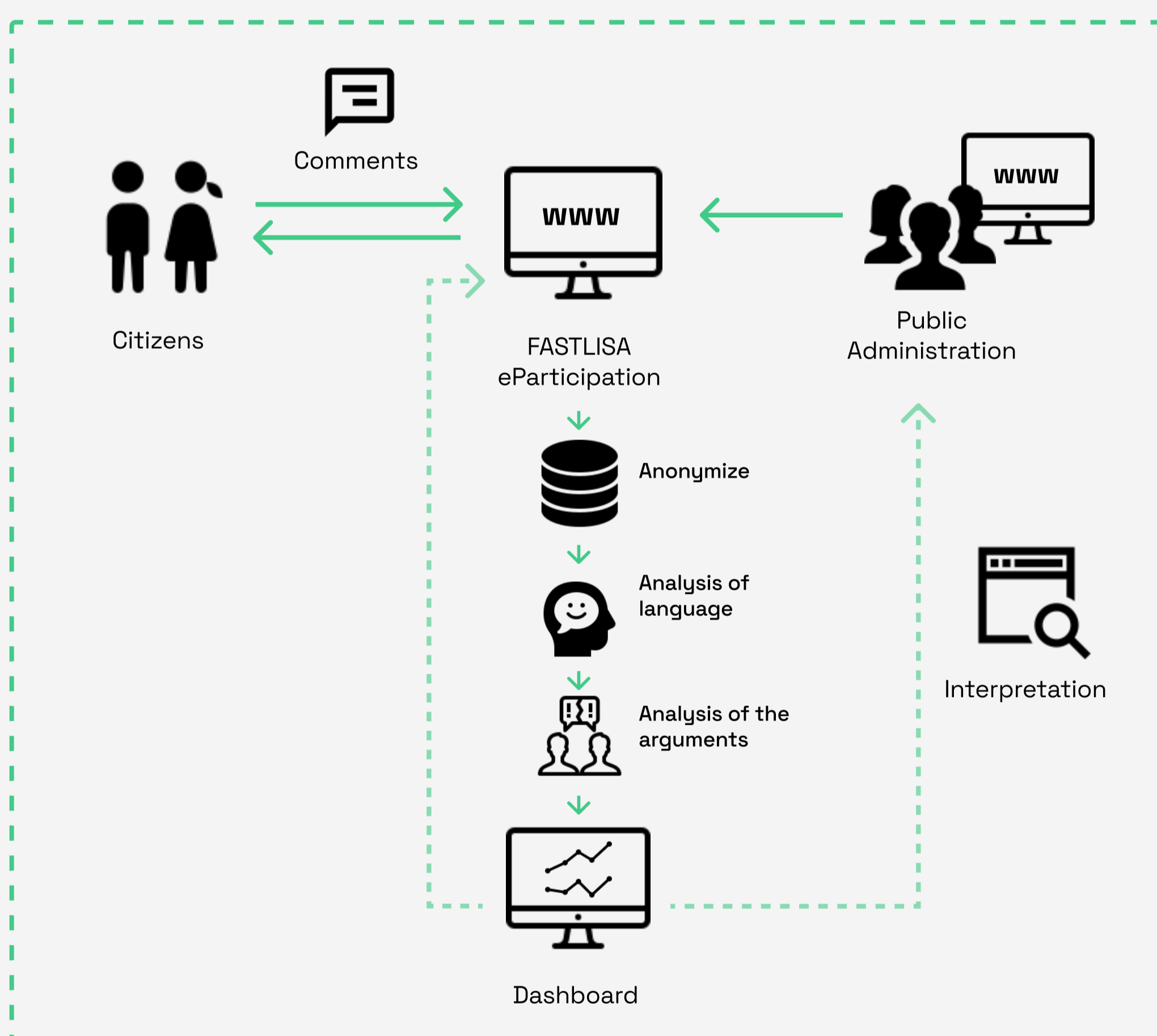
Discord Chat → Discord Server → HS Chatbot → HS Service → HS Dashboard

HS Detection Algorithm ↔ Database

PUBLIC CONSULTATION OF ADMINISTRATION PROPOSALS: "E-PARTICIPATION" — B

This involves the creation of a portal (http://fast-lisa.unibo.it), a safe environment in terms of protection of personal data, aimed at **opening a public debate** led by the public administration on issues close to the daily needs of citizens.

Anonymous citizens' posts will be processed using **Artificial Intelligence tools** which will provide a **Dashboard** with graphical-statistical visualization to the public administration. The goal is to **monitor the quality of the debate**, intercept signals of potential hate speech and return a summary of the opinions to the decision makers. This will allow public administrations to verify the **effectiveness of the policy, monitor the trend of the citizen's needs and to make better decisions in general.**

Citizens — Comments — FASTLISA eParticipation — Public Administration

FASTLISA eParticipation
- Anonymize
- Analysis of language
- Analysis of the arguments
- Dashboard

Interpretation

CLAIMS COLLECTION — C

The portal (http://fast-lisa.unibo.it), will also include a section where **real claims will be collected**. This use case is oriented to collect claims of hate speech offenses in order to **capture the sociological perception and situational context in real life.**

This will allow the **sociological team of FASTLISA to analyze and better understand hate speech** and the informatics to have access to lexicon and context for refining the categorization of hate speech and to **improve the AI tools.**

→ ALL THESE INSTRUMENTS

will be used to detect, monitor and evidence the origins, typologies and modalities of the hate speech to ultimately promote FASTLISAs main goal: **understand, detect and counteract online hate speech.**