



ATLAS

**Automatic
Into Sign Languages
Translation**



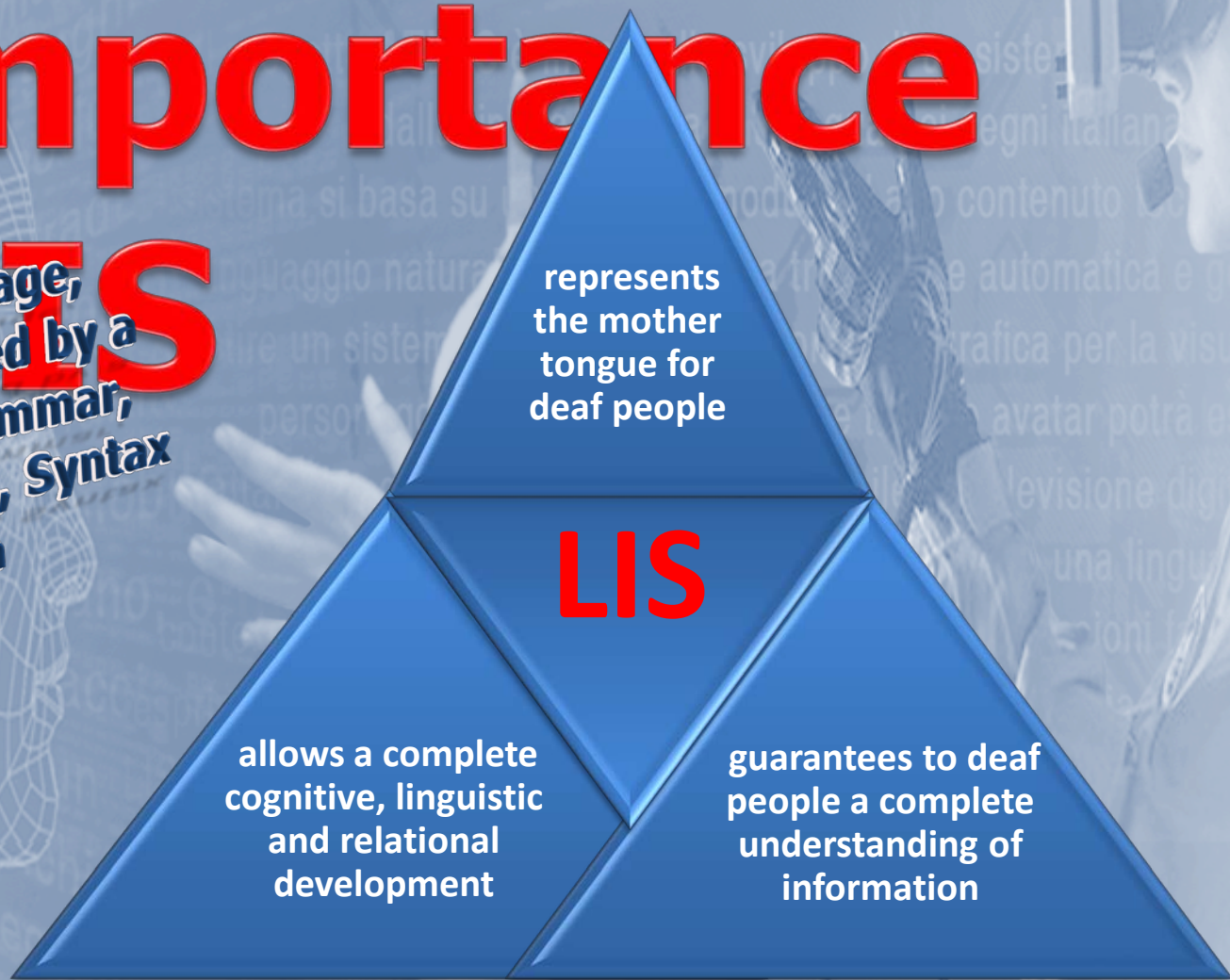
What is ATLAS

ATLAS is an Italian research project aimed to develop innovative services for deaf people offering them new access opportunity to broadcast communications.

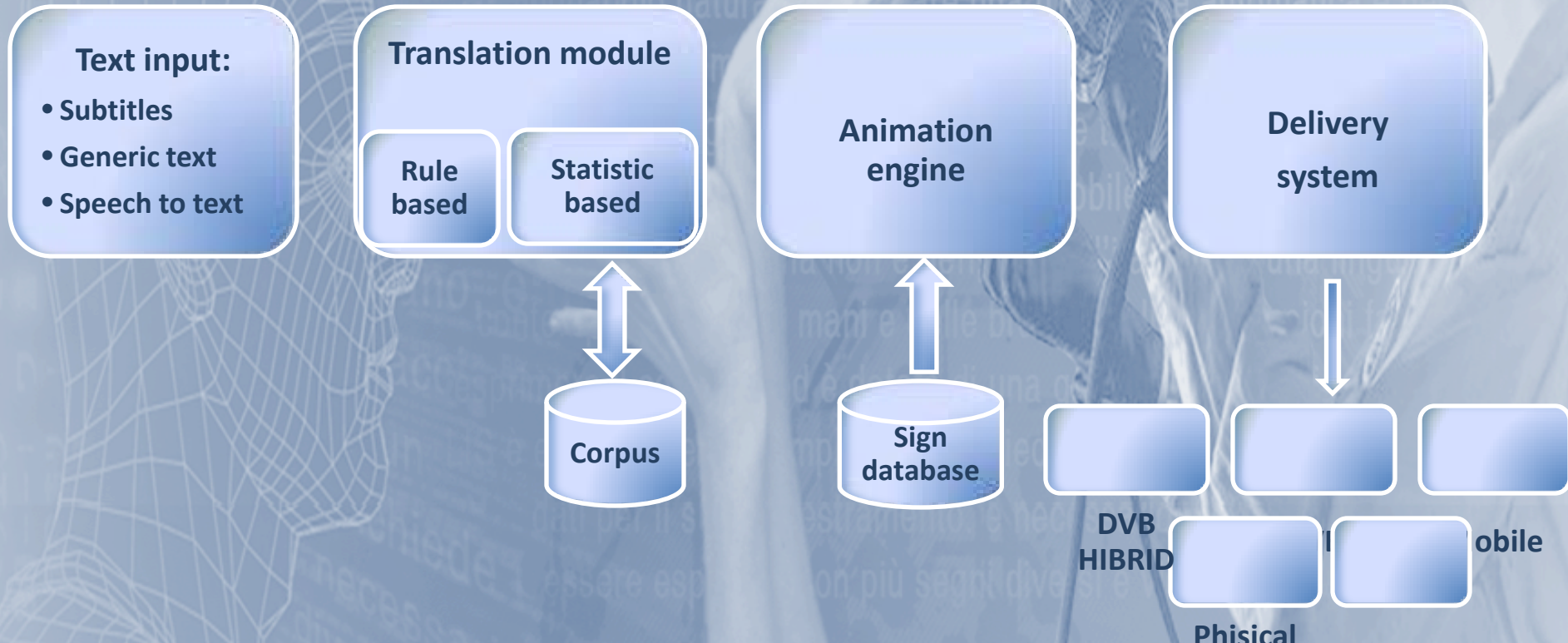
The ATLAS system provides automatic translations from Italian into Italian Sign Language (LIS), displayed through a 3D virtual interpreter.

Importance

LIS is language,
characterized by a
specific Grammar,
Morphology, Syntax
and Lexicon



System Structure



Clients



DVB
or Hybrid



Mobile



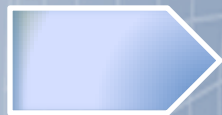
**Physical
media**



WEB



Hybrid scenario



DVB

Interpreter
commands
In DVB mux

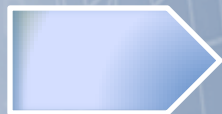


From DVB

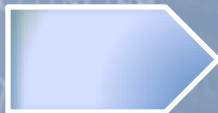


Commands
from IP over DVB

Custom STB make a PIP.
The interpreter window
is under full control .



Hybrid



Regular DVB
broadcasting



DVB

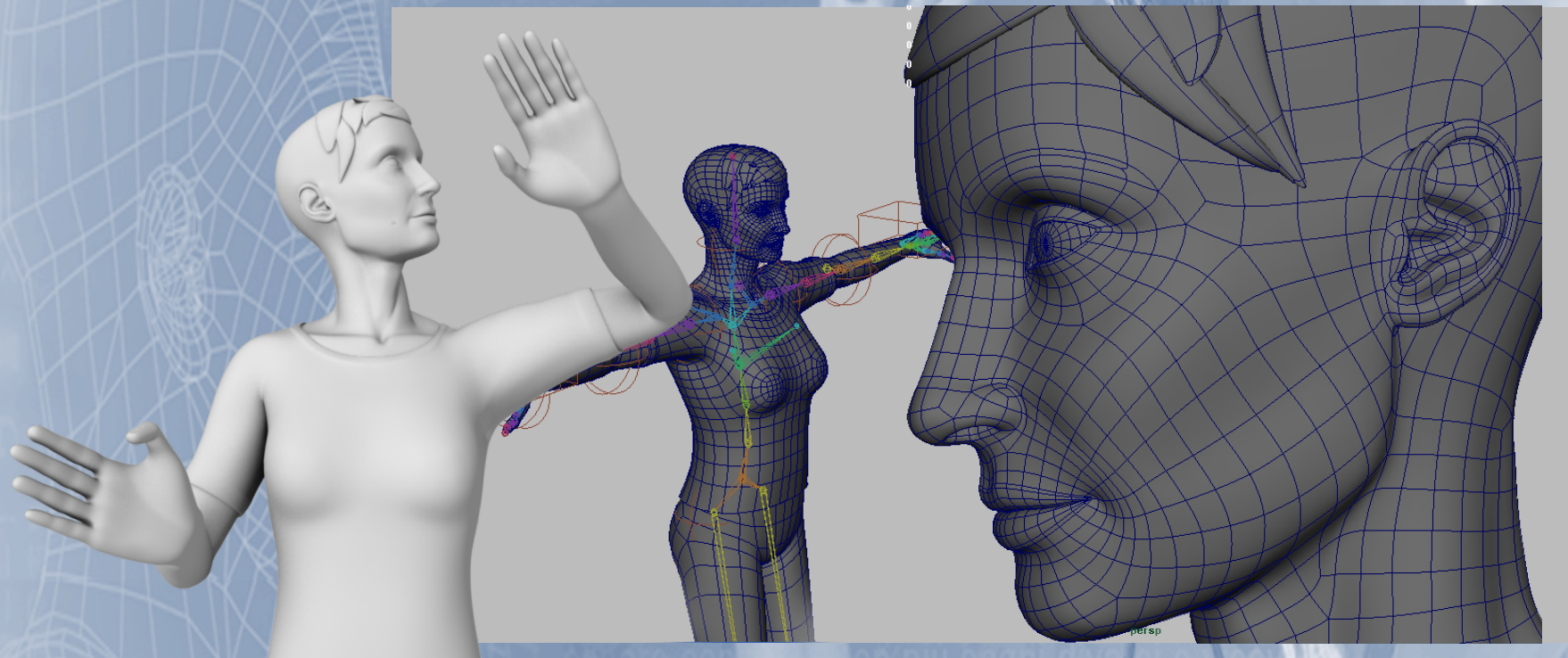
Interpreter
commands

Internet



Custom STB make a PIP.
The interpreter window
is under full control .

Virtual Interpreter



Virtual Interpreter

- Realism
- Skinlighting model

Expre



Signing Service



e

**Set Top Box Output
(ALTAS custom STB)**

Partners

