GO-ESSP

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Towards a python standard vocabulary library

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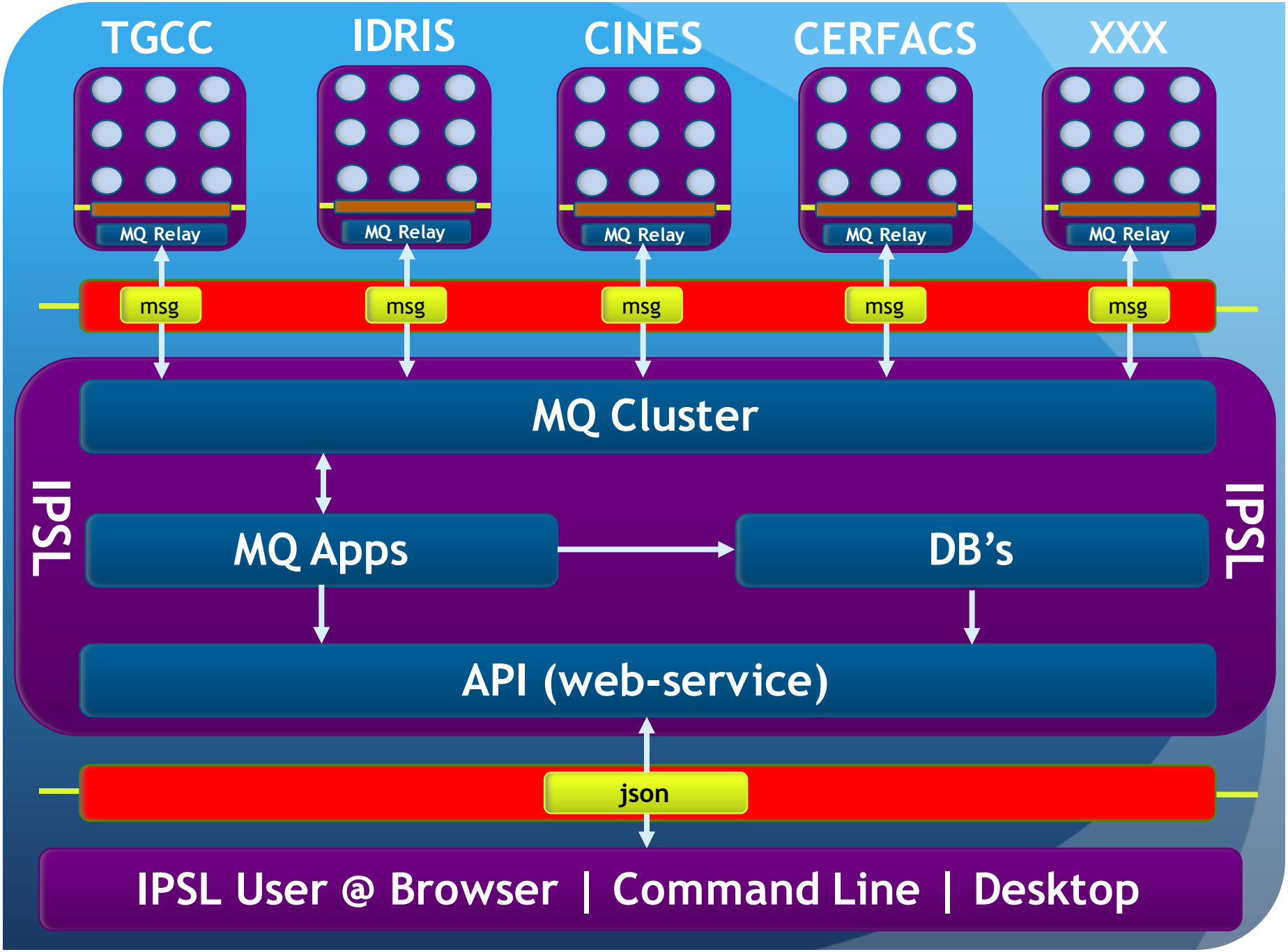
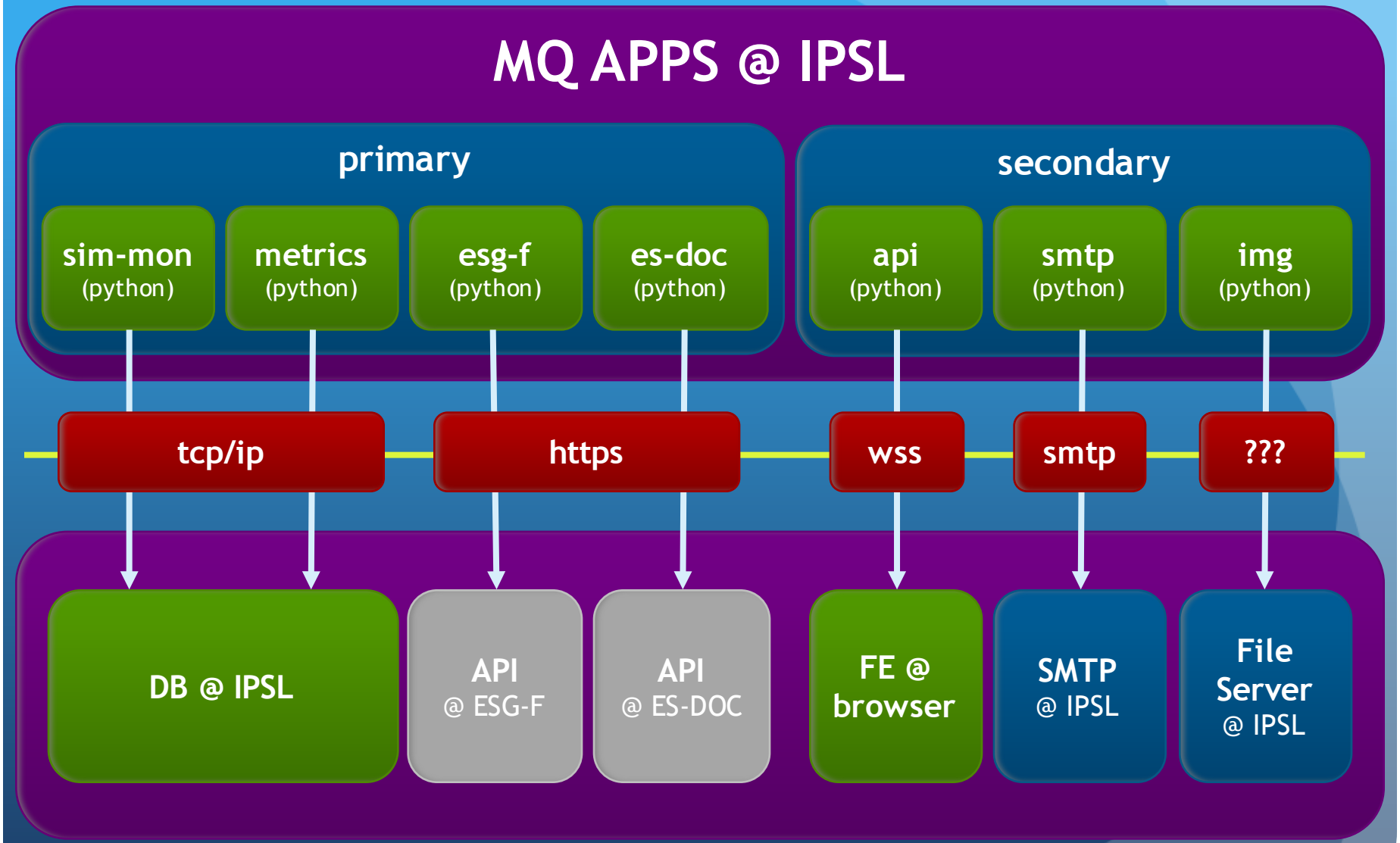
ANR - CONVERGENCE
MODÈLES NUMÉRIQUES

I – Real World @ IPSL

Low latency adaptive system


TGCC
IDRIS
CINES
CERFACS
XXX
MQ Relay
MQ Relay
MQ Relay
MQ Relay
MQ Relay
msg
msg
msg
msg
msg
MQ Cluster
IPSL
MQ Apps
DB's
IPSL
API (web-service)
json
IPSL User @ Browser | Command Line | Desktop

Message Flow: IPSL.MQ-APP ---> Other



Config file validation

Ingestion points

Message headers

Message content

Browser Apps

ES-DOC publishing

ESG-F publishing

Vocabulary Partitions

IPSL

ES-DOC

ESG-F

CF-NAMES

II –Requirements

Requirements- I

- Seeding
- Simple type system
- Name spacing
- Associations
- Hierarchies
- Aliases / Synonyms
- Versioning
- I/O (with GitHub integration)

Requirements- II

- Interoperability (encode / decode)
- Validation
- Caching
- Parsing (substitutions)
- Governance (accept, reject, deprecate, reset …etc)
- Adaptive (new terms)
- Language bindings: Python, Javascript …etc
- Custom term data

III - Towards A Standard Library

pyessv

- **PY**thon **E**arth **S**cience **S**tandard **V**ocabularies ???
- Forked from prodiguer library
- See IPython Notebook
- Pip installable
- Unit tested
- Open sourced
- https://github.com/Prodiguer/pyessv