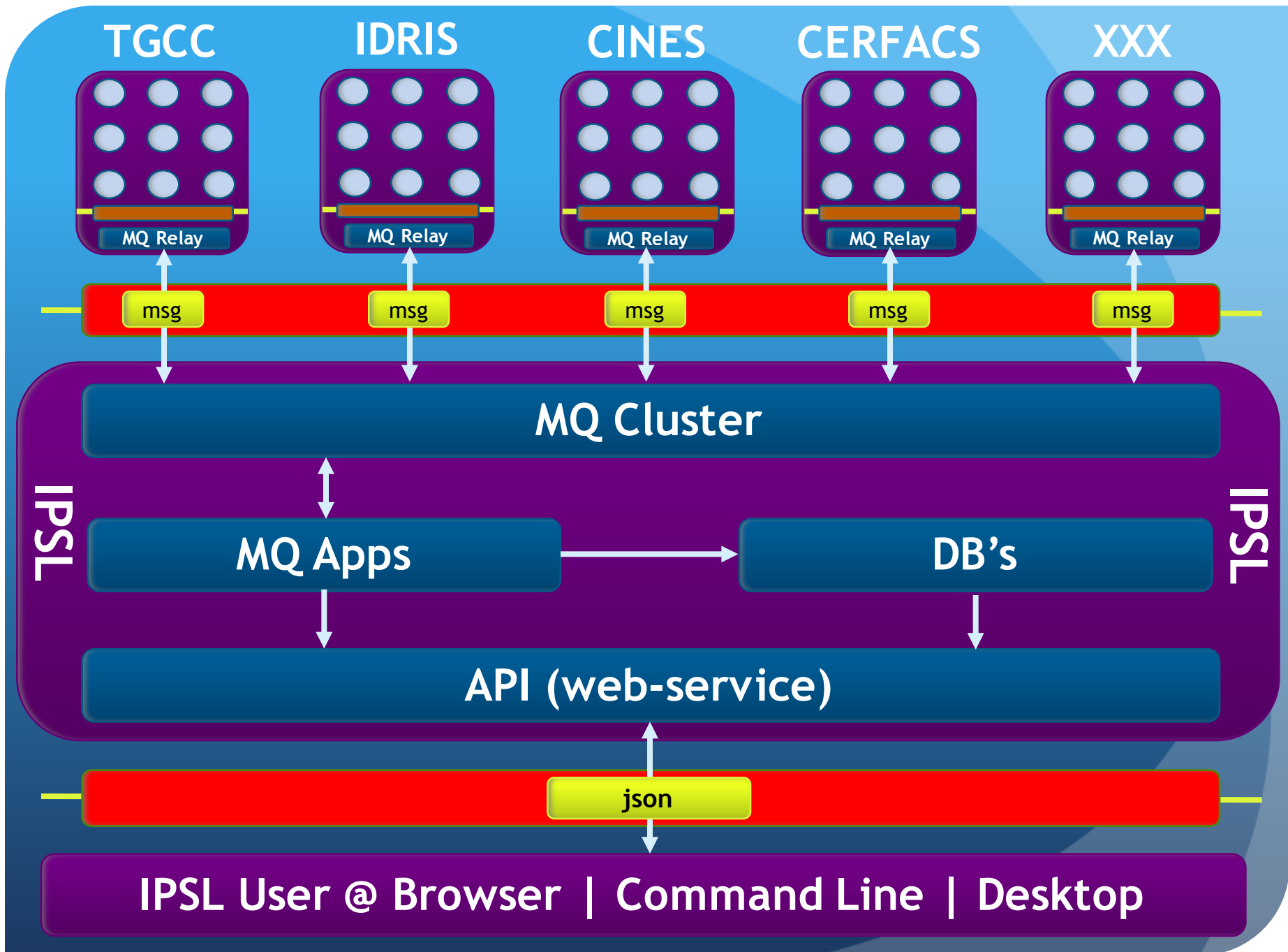# GO-ESSP
Telco 12-01-2015

Towards a really simple controlled vocabulary service

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I – Real World @ IPSL

Low latency adaptive system

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

MQ APPS @ IPSL

primary

sim-mon
(python)

metrics
(python)

esg-f
(python)

es-doc
(python)

secondary

api
(python)

smtp
(python)

img
(python)

tcp/ip

https

wss

smtp

???

DB @ IPSL

API
@ ESG-F

API
@ ES-DOC

**FE @
browser**

SMTP
@ IPSL

**File
Server**
@ IPSL

Config file validation
Ingestion points
Message headers
Message content
Browser Apps
ES-DOC publishing
ESG-F publishing

Vocabulary Contexts

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