

MANAGING OLD AND NEW DATAS BY USING NEW TOOLS/PLATFORM AND VERIFICATION TOOLS

Days of future past for datas...

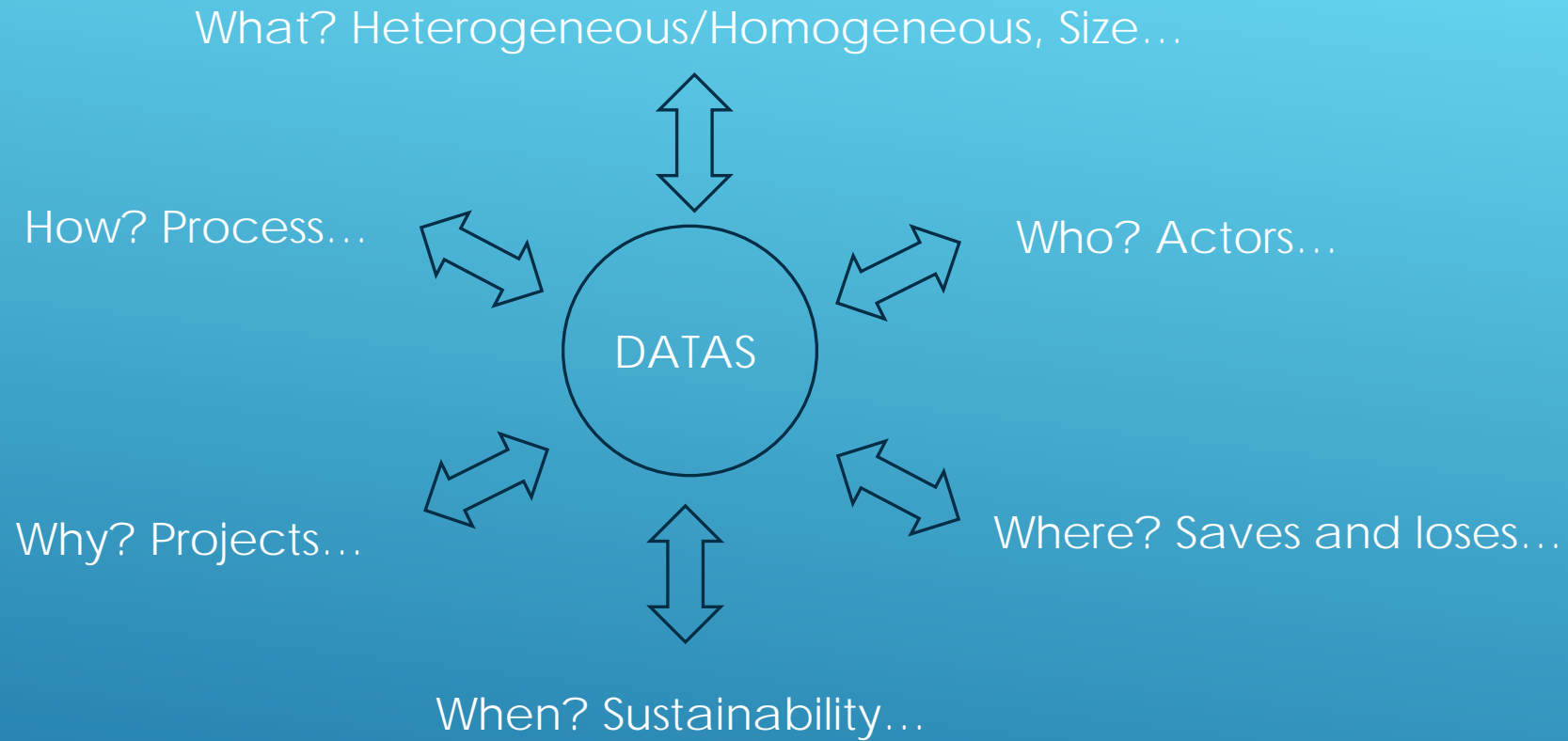
Laurent Bergerot – UMR 3495 MAP GAMSAU

- ▶ Text (Glossary, article, books, simple text)
- ▶ Images
- ▶ Video
- ▶ 3D
- ▶ Sound

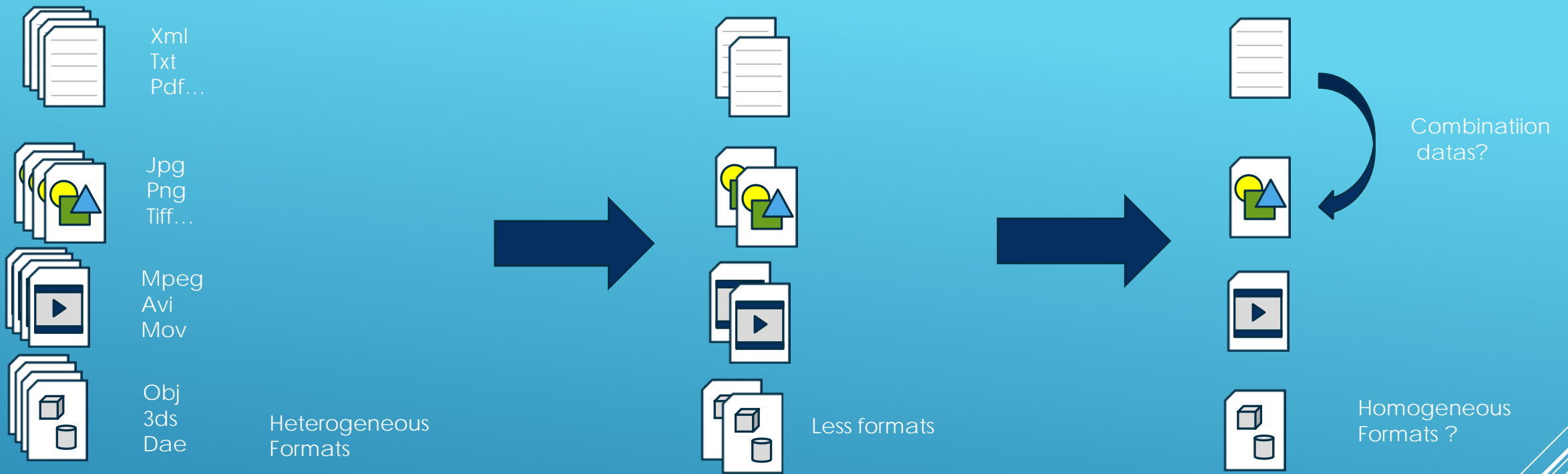


- ▶ Lot of software and hardware to manage/check these datas but need a direction

DATAS?

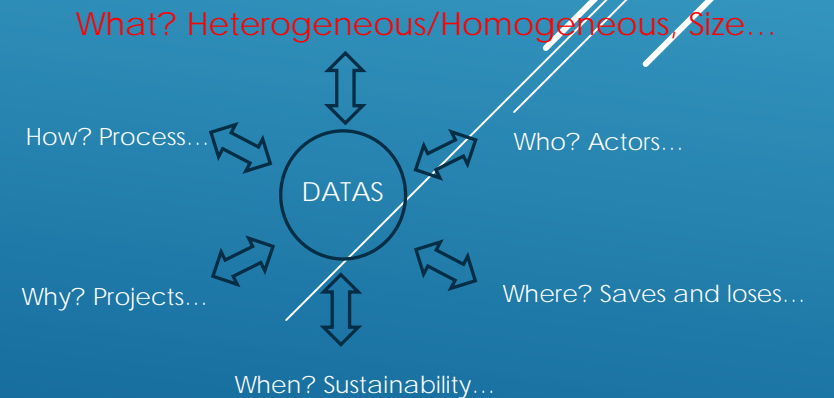


AROUND DATAS : WHAT WE NEED TO MANAGE AND VERIFY?



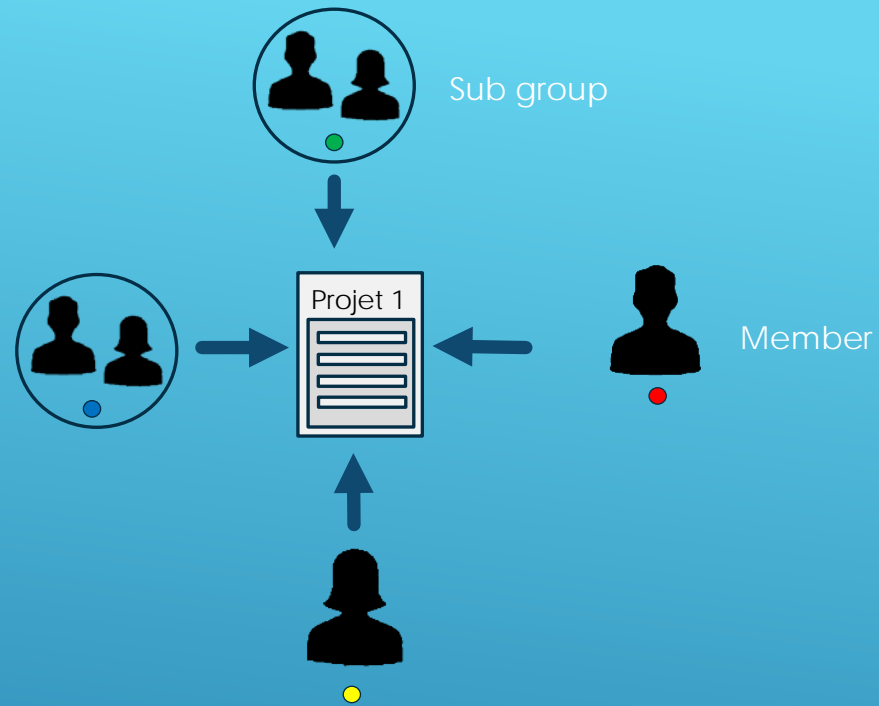
- ▶ MANAGING TOOLS : « Prescription » of consortiums, multidatas viewer and managers (self-developed applications (3D webgl Metaviewer) or SketchFab, A360, 3DHop, ...)
- ▶ VERIFICATION TOOLS : Data human authority

WHAT?



Who bring data for project?

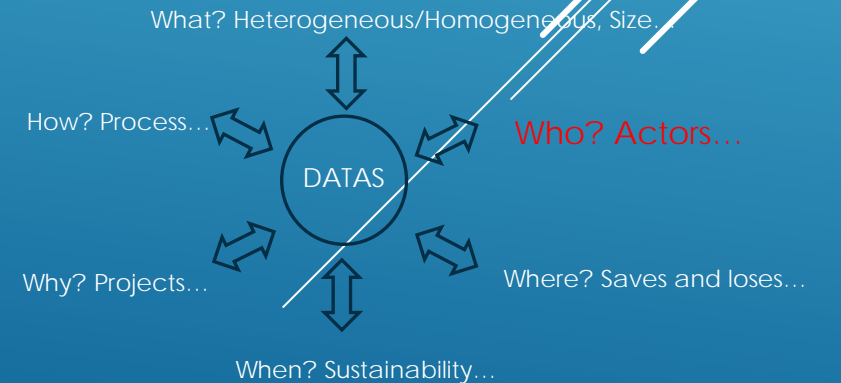
- Small groups
- Mono specialisations



Sub groups + Members = Project Team

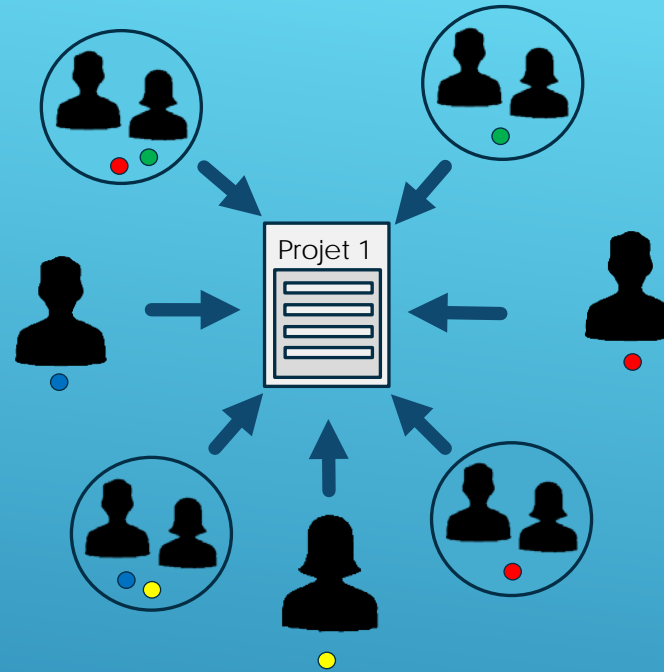
●●●● : Specialisations

WHO?



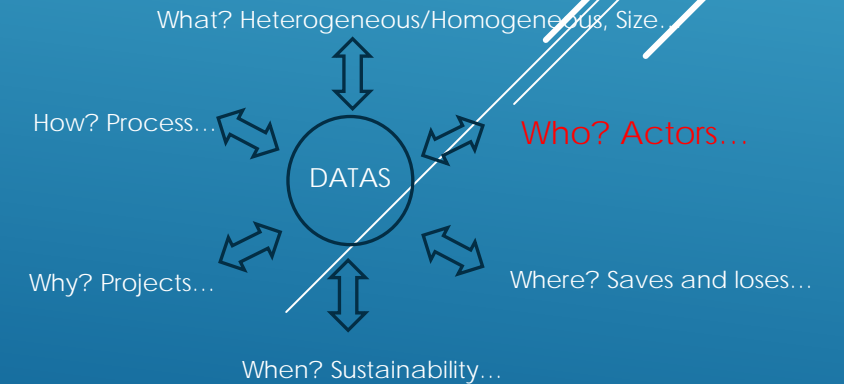
Who bring data for project?

- Larger groups
- Multi specialisations

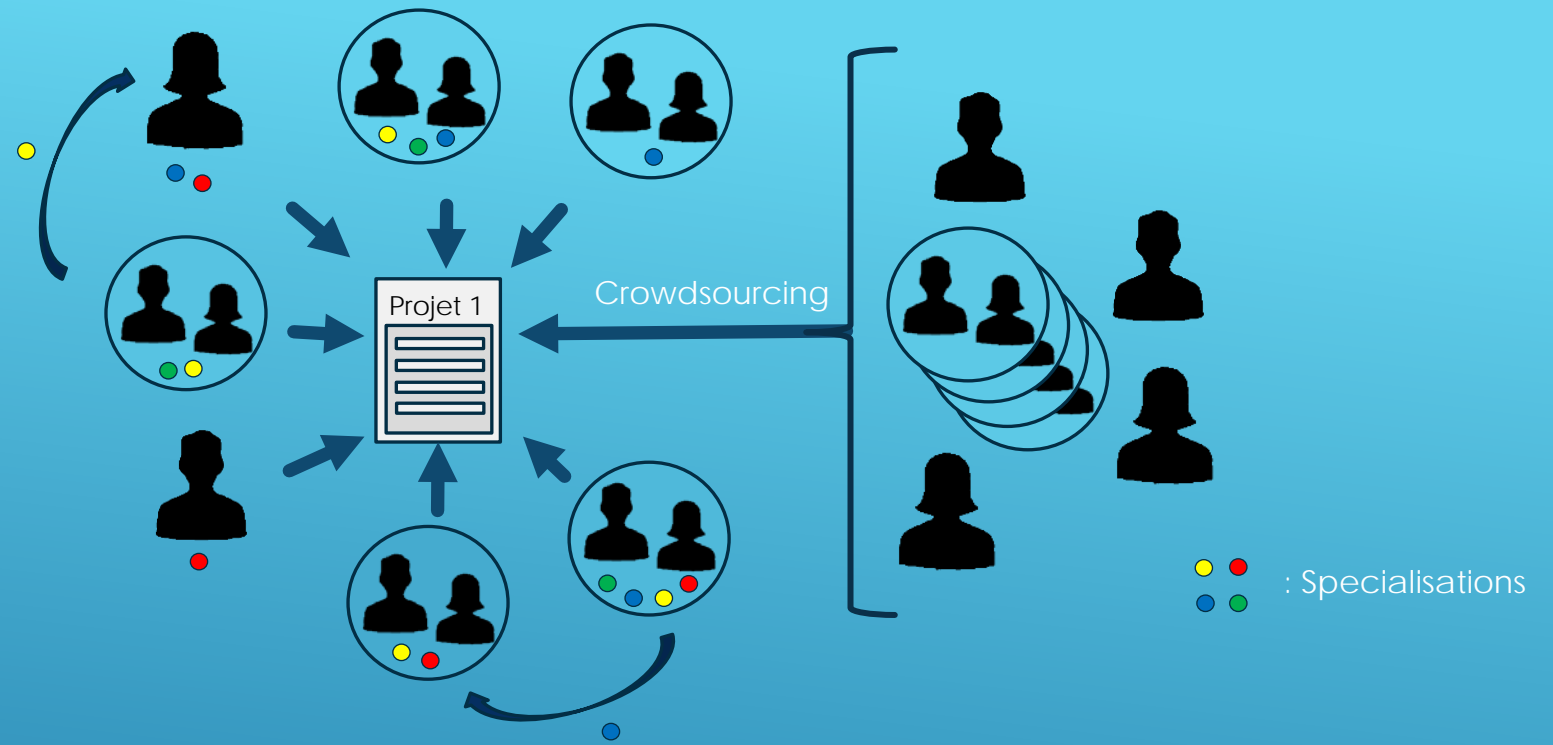


●● : Specialisations

WHO?



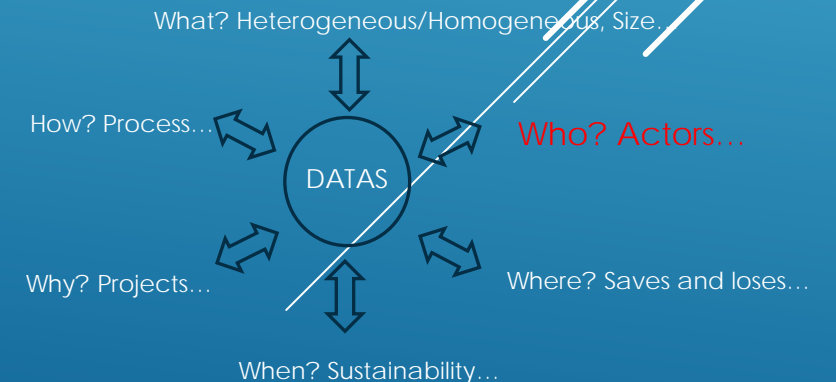
Specialisation sharing



Who bring data for project?
- Larger groups
- Massive non-specialists datas (Crowdsourcing)
- Multi specialisations and possibility to share experience (formations and E Learning)

- ▶ MANAGING TOOLS : groupware (Dropbox, Trello, PFT3D projects), forge softwares (gitLab, fusionForge), Aioli, E Learning for sharing specialisation
- ▶ VERIFICATION TOOLS : Human meetings in real or by Skype or Webex

WHO?





Local Machine
= Mb /1 CPU



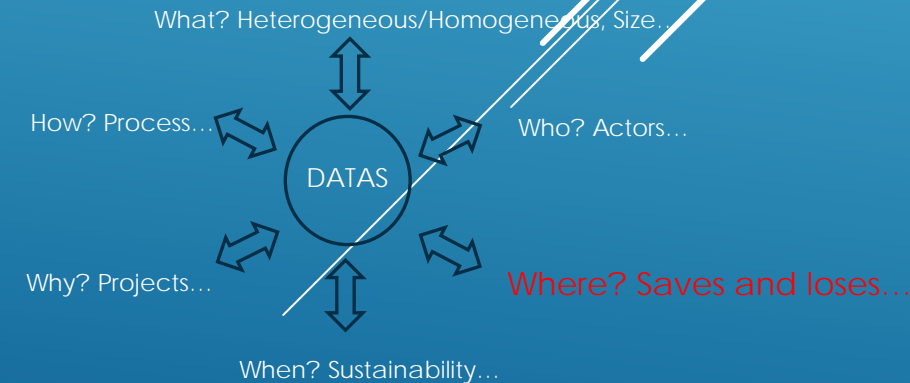
Servers
= Gb /10 CPU

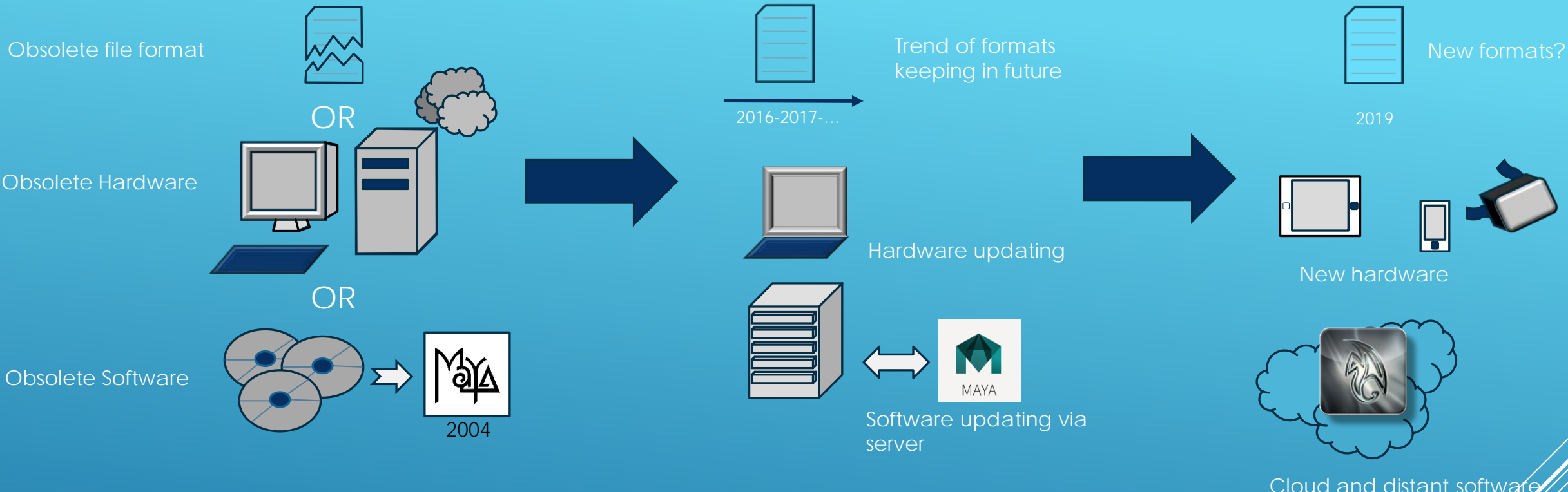


Archiving System
Clouds and
= Tb / >100 CPU !

- ▶ MANAGING TOOLS : Data Management System (DMS), CINES archive, TGIR Humanum, 5D glass storage (Southampton University project), need tidy folder and migration systems
- ▶ VERIFICATION TOOLS : Servers data check tools, fingerprint creation with hash (checksum MD5), database which tell where are the datas

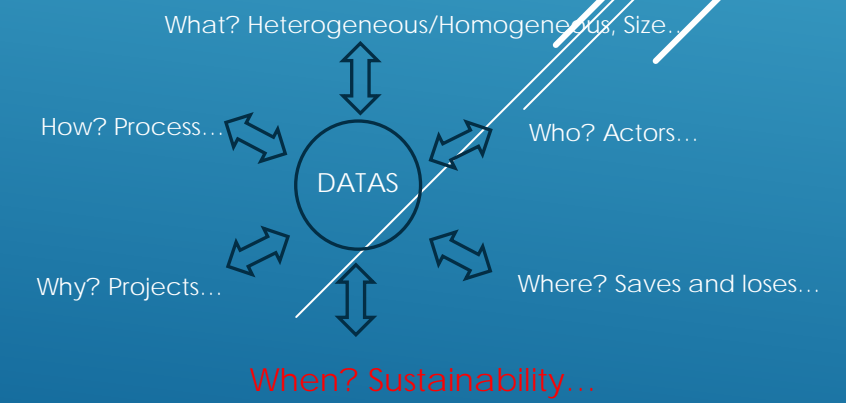
WHERE?

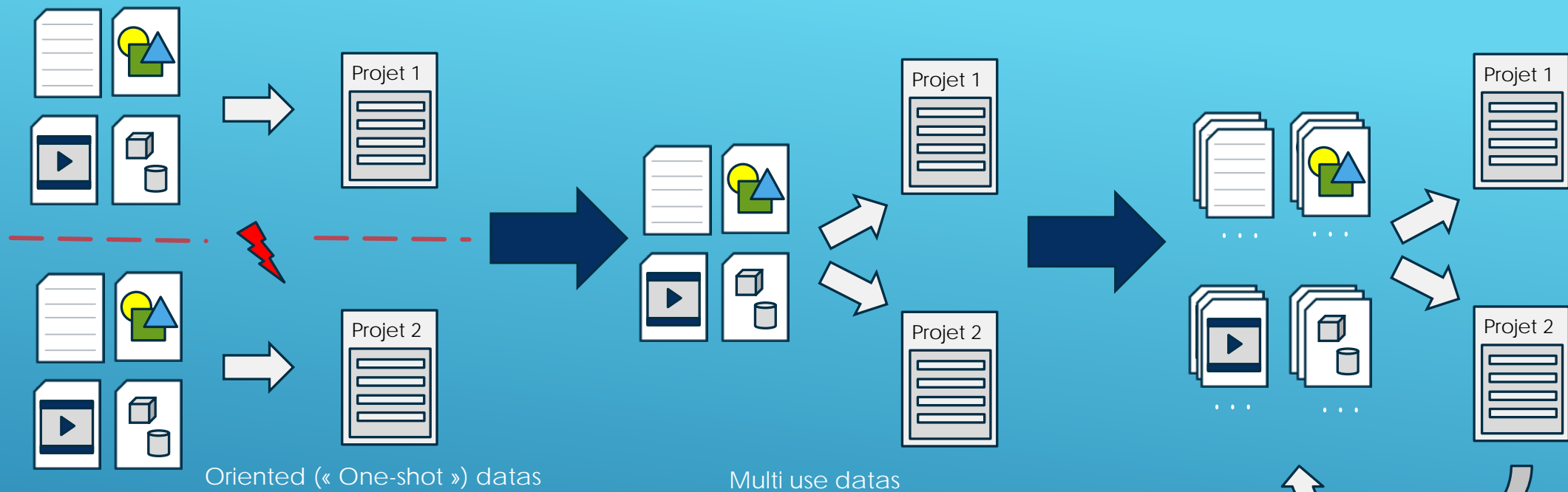




- ▶ MANAGING TOOLS : Updated systems (hard and soft), softwares like C3DC platform
- ▶ VERIFICATION TOOLS : Human Meetings and ftp verification system (checksum MD5 again, Unicorn (W3C))

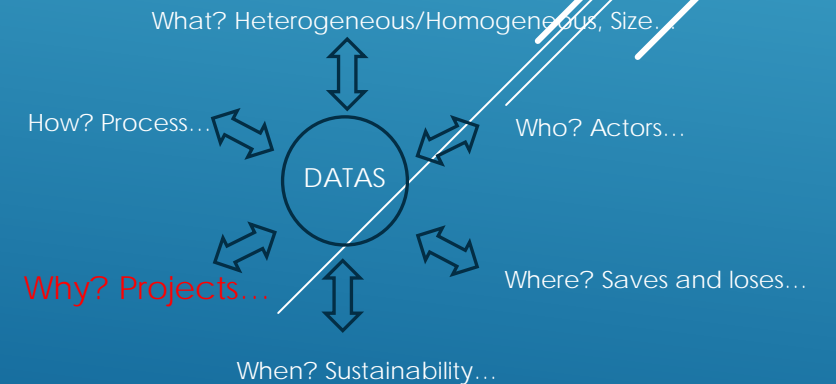
WHEN?

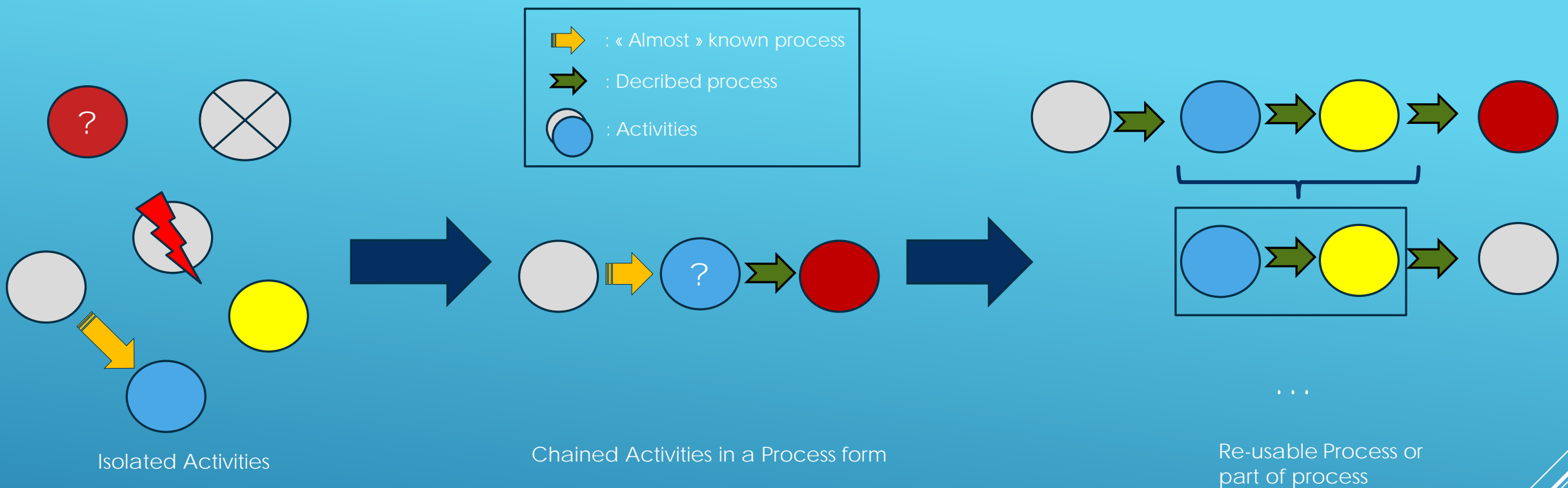




- ▶ MANAGING TOOLS : Plateform for sharing opening datas (Dataverse Network Project from Harvard University, [linkedscience.org/data](https://www.linkedscience.org/data))
- ▶ VERIFICATION TOOLS : Humans meetings and Datas Conformity tools which are created for each set of datas (3DIcons Carrare 2 and Dariah)

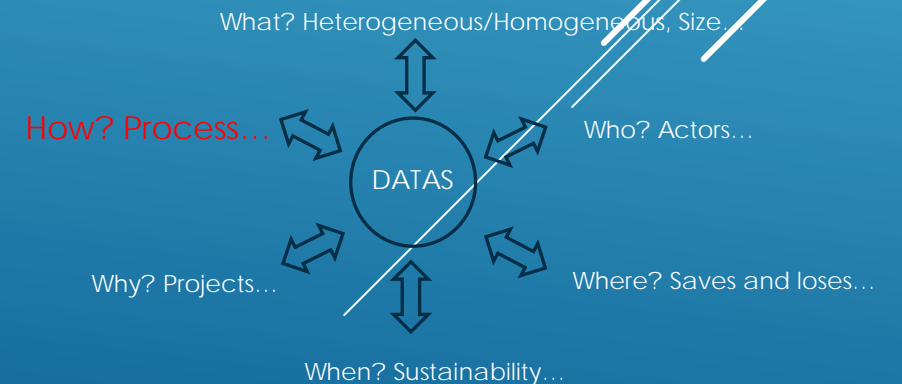
WHY?



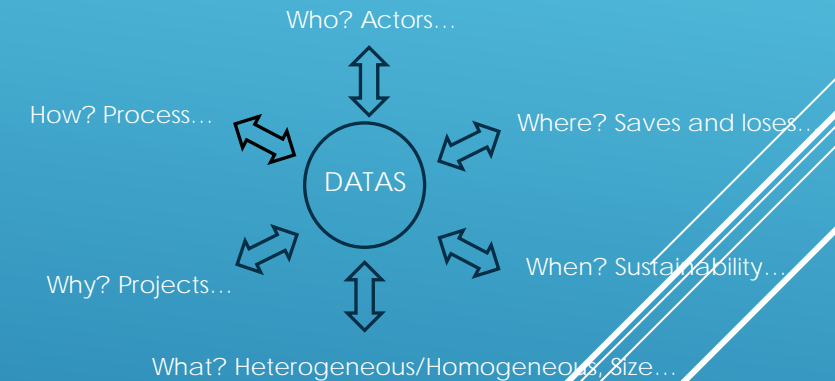


- ▶ MANAGING TOOLS : Memoria (in developpement), SHS Huma Num Schema
- ▶ VERIFICATION TOOLS : Human and Memoria?

HOW?



- ▶ More complexification which need more simplification, normalisation for datas and tools which manage them!
- ▶ Needs of dedicated tools
- ▶ No real verification tools yet except humans but standard like CIDOC CRM can help it
- ▶ Workshops or infrastructures (3D SHS Huma-Num, Dariah, Parthenos) could find solution by norms definitions and applications of these
- ▶ Also Formation : Summer school, university course, and E Learning!



CONCLUSION AND DISCUSSION