Definition of a life cycle for cultural goods
A challenge for the knowledge engineering industry

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Karl Pineau

@KarlPineau

A critical situation

Questions for the fireman :

- Which artworks should you save?
- Where are these artworks?
- How do you recognize them?
- How do you get them out?

How does the fireman identify the fields
that correspond to his
immediate and urgent need?

How to relate our data model to
specific situations and specific
interfaces?

Life cycle of a car

The sarcophagus of the spouces

520 BC,
Louvre museum

The six phases of the sarcophagus

520 BC: Creation
of the sarcophagus

1850: Discovered by
Giuseppe Campana

≈ 520 BC:
Use as urn

≈ 520 BC:
Placed in
tomb

1861: Bought by the
Louvre museum

The Inspiration of Saint Matthew, Caravaggio, 1602, destroyed

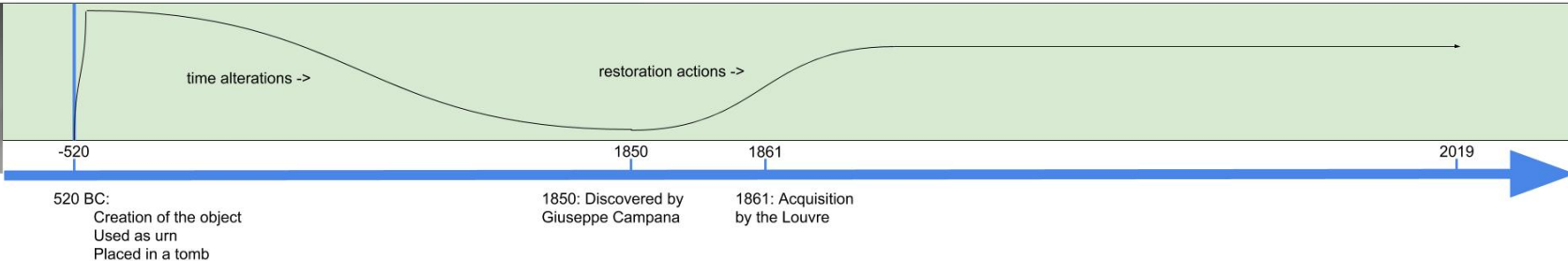| Phase of creation-execution	Phase of use	Phase of disappearance	Phase of collection (the object is collected)	Phase of conservation (the object is preserved)	Phase of memory (the object is destroyed)

Institutionnal stratum
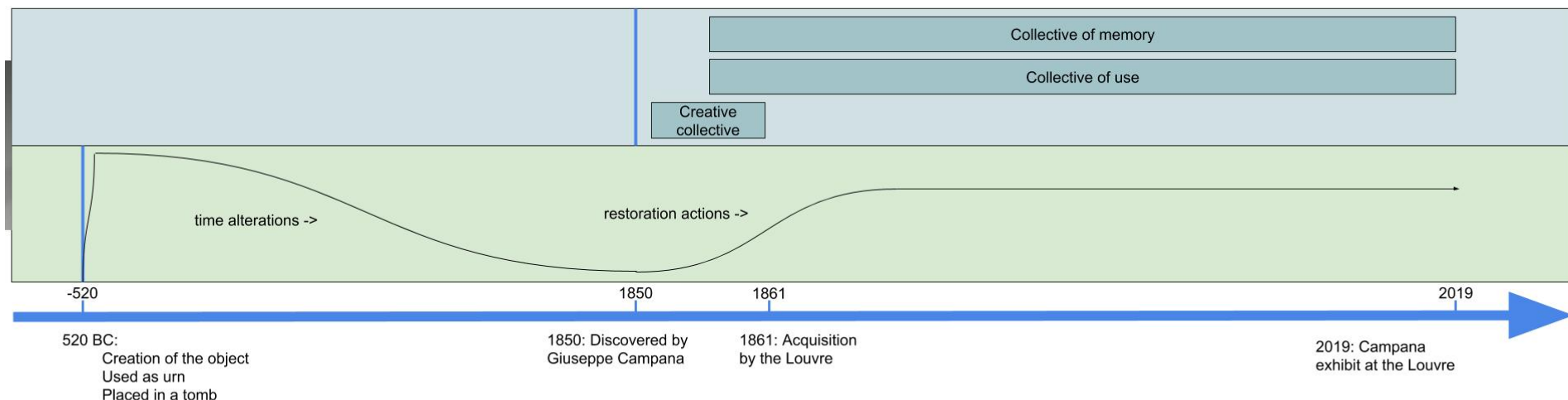
Cultural stratum

Material stratum

The material stratum

- **Corresponds to:** the material object
- **Value scale:** integrity of the object
- **Talkes about:** products run by processes
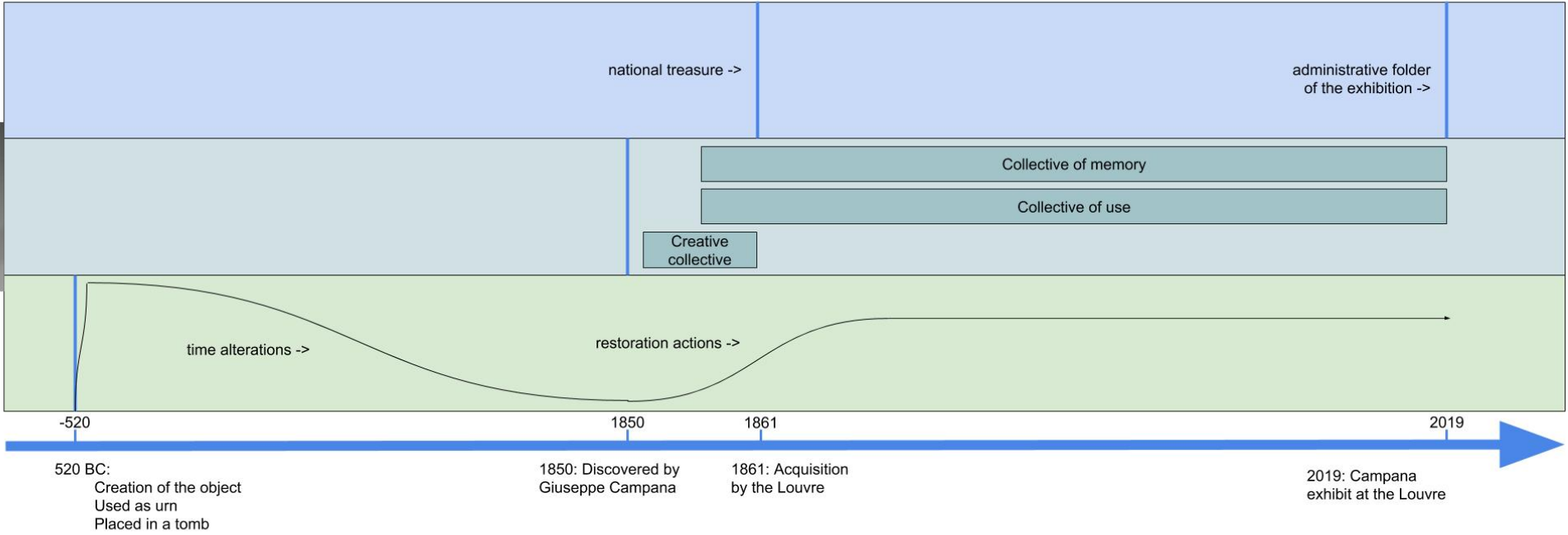- **Includes:** situations like restoration actions

The cultural stratum

- **Corresponds to:** the social acceptance of the object as a cultural good
- **Value scale:** not yet defined
- **Talkes about:** cultural goods
- **Includes:** cultural appropriation actions, collection actions or memory actions
- Actions are categorised in collectives :
  Creative collective |Collective of use | Collective of memory

The institutionnal stratum

- **Corresponds to:** the acceptation by institution of the object as artwork
- **Value scale:** protection status of the object
- **Talkes about:** artworks
- **Includes:** actions of documentation, legal actions, administrative actions

national treasure ->

administrative folder
of the exhibition ->

Collective of memory

Collective of use

Creative
collective

time alterations ->

restoration actions ->

-520

1850

1861

2019

520 BC:
Creation of the object
Used as urn
Placed in a tomb

1850: Discovered by
Giuseppe Campana

1861: Acquisition
by the Louvre

2019: Campana
exhibit at the Louvre

utc

Conclusion

This model of life cycle allows to:

- Define contexts of application for specific situations;
- Identify and modelize the consequences of a situation;
- Include future strata or phases if necessary.

Further work:

- Continuing to model the life cycle
- Applying to a dataset of test
- Relating it to the different functions of the software

Tanks for your attention ☺

Karl Pineau – UTCompiègne - Decalog