Empowering Human Connected Communities
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Empowering human connected communities

3. What to do and why to do it?
   - How to do it?
   - Ongoing projects

Projects are scenarios

- Classification according to a viewpoint
- A service oriented view:
  - Semantics
  - Agents
  - Autonomous + communicating
  - Human + artificial
  - Processes and data

Outline #3: Ongoing projects

- human Discovery & Science construction
  - in science: ENCORE chemistry → data
  - in science: CoObs & Viewpoints: ecology
  - in science: SIFR: biomedicine
- human Learning
  - in education: Collin KEI Multimodal and Digital Technologies:
    - Formal and theme Learning
  - human Creativity
    - in art: DAPFL: music

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Viewpoints

- A conversation between agents
  - Goal:
  - to compute formalized knowledge
  - own intelligent reasoning abilities
  - A conversation between agents

Concept:

- human Creativity
  - human Learning
  - human Discovery & Science construction

Logics on top of Viewpoints

- CoObs (Courtesy of Philippe Lemoisson, CIRAD)
  - the life cycle of "mass learning" for action

Semantic indexing of biomedical resources

Outline #1

1. What to do and why to do it?
2. How to do it?
3. Ongoing projects

Outline #2

1. What to do and why to do it?
2. How to do it?
3. Ongoing projects

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In biomedicine, the wealth of publicly accessible biomedical data is beginning to enable cross-cutting integrative translational bioinformatics studies. Translational scientific discoveries could be made by mining and crossing biomedical resources. Biomedical researchers have turned to ontologies and terminologies to structure and annotate their data (i.e., experimental data sets, diseases, experimental conditions, clinical-trial descriptions, published papers) with ontology concepts for better search and retrieval.

LIRMM will continue and enhance an already existing collaboration with the National Center for Biomedical Ontologies at Stanford University which is developing the BioPortal web ontology repository (http://bioportal.bioontology.org/), a platform of ontology-based services highly used in the biomedical community.
Empowering human connected communities

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Obrigado
Thank you
Merci
Grazie
Danke
Bedankt