



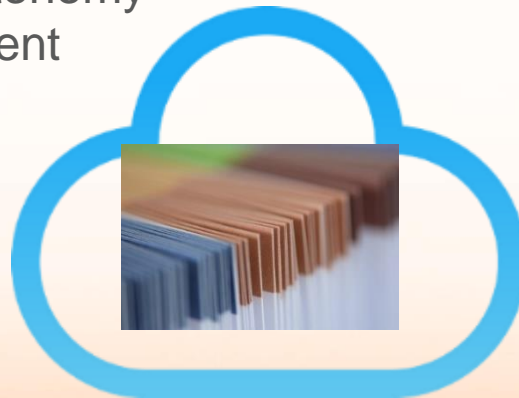
SELF DATA FOR ENHANCING LIFE LONG LEARNING AUTONOMY



Lifelong Learning Disruptive Innovation

Learner Centered Data Repository

- **Trusted** space
- Diverse sources collection
- **Learner Empowerment**
thanks Autonomy
Development



Personal & Shareable

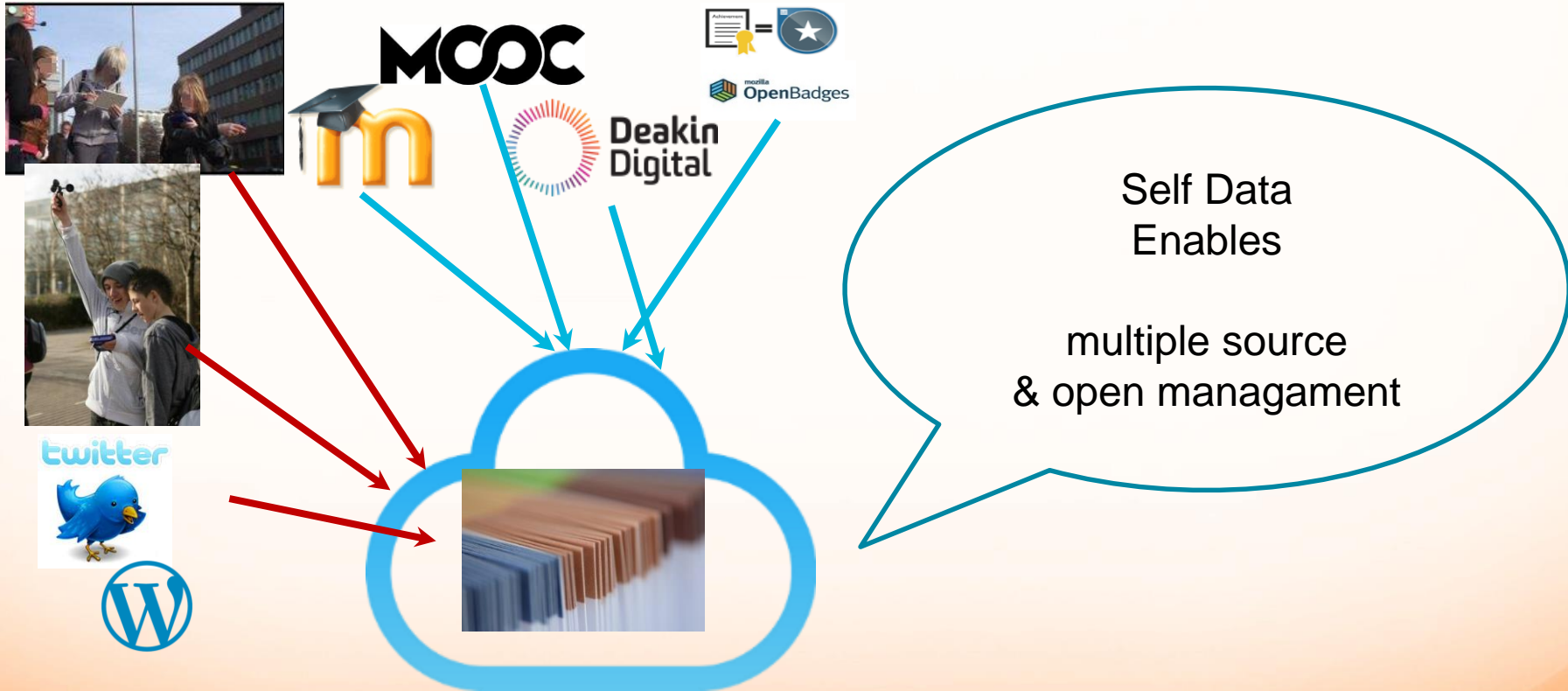
- Structured e-Portfolio
- Associated **Community Services**
- External stakeholders

LifeLong available

- Enabling lifelong Self Development

My Knowledge

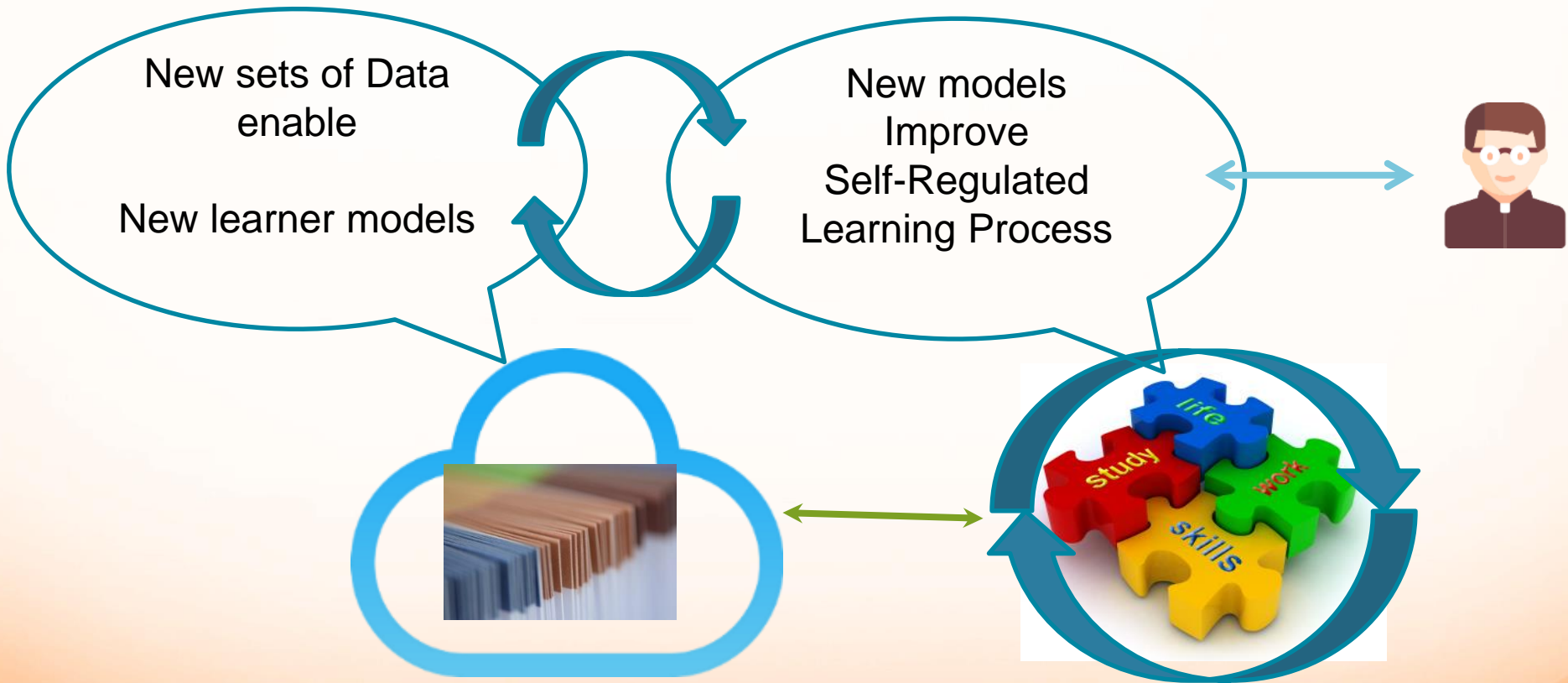
Evidence Collection & Management



E-Portfolio: Find a Job – CV publishing

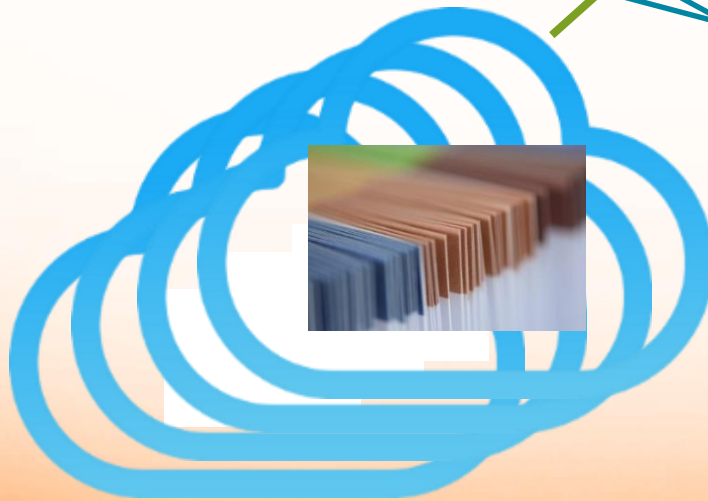


Improving Self-Regulated Process



Community Services

Trusted
Collaborative
Services
enhance
Collaboration



Sedela in a Nutshell

- 2 years project
- 3 Teams
 - CREAD
 - Methods to enhance autonomy
 - 1 Post Doc
 - Lab-STICC
 - Computable Learner Models
 - 1 Dev Engineer
 - LS2N
 - Semantic Data Management
 - 1 Post Doc
- Results
 - Autonomy Model
 - Derived Learner Models
 - Reflective Writing
 - Self Regulation level
 - Trusted Collaborative Services
 - On demand Semantic Integration Service
 - Classification model for RDF dataset licenses
 - Recommending Plausible Federated SPARQL queries
 - 13 publications
 - Open source prototypes

interdisciplinary challenge

- Workshops
 - Complementary challenges
- Pivot concept: Trust
- Experimental infrastructure
 - Refining key use cases
 - Reflective Writing
 - Professional development & autonomy measurement
- 2 Position papers published

Experimental infrastructure

The screenshot shows the 'Sedela' interface for a 'réflexif étudiant' (reflective student). It features a document editor on the left with a toolbar and buttons for 'Modifier Nouveau Document', 'Enregistrer', 'Enregistrer sous', 'Supprimer Document', and 'Partager'. The main content area displays a document titled 'How to reflect on my Work?' with a sub-section 'First getting evidence from my work' and an image of two people in a meeting. A forum discussion on the right shows comments from 'toto@sedela.com' and 'tuteur@sedela.com'.



The screenshot shows a survey form titled 'ENQUETE SUR LE DEVELOPPEMENT PROFESSIONNEL ET SUIVI DE FORMATION'. It includes an introduction, a note, and a table of questions with radio button options. The questions are:

- 13. J'identifie facilement les « bonnes façons de faire » de mon activité professionnelle.
- 14. Face à un accident, incident ou conflit, je réajuste ma pratique rapidement.
- 15. Je vise l'autonomie des personnes avec qui je travaille.

Solid as an Alternative?

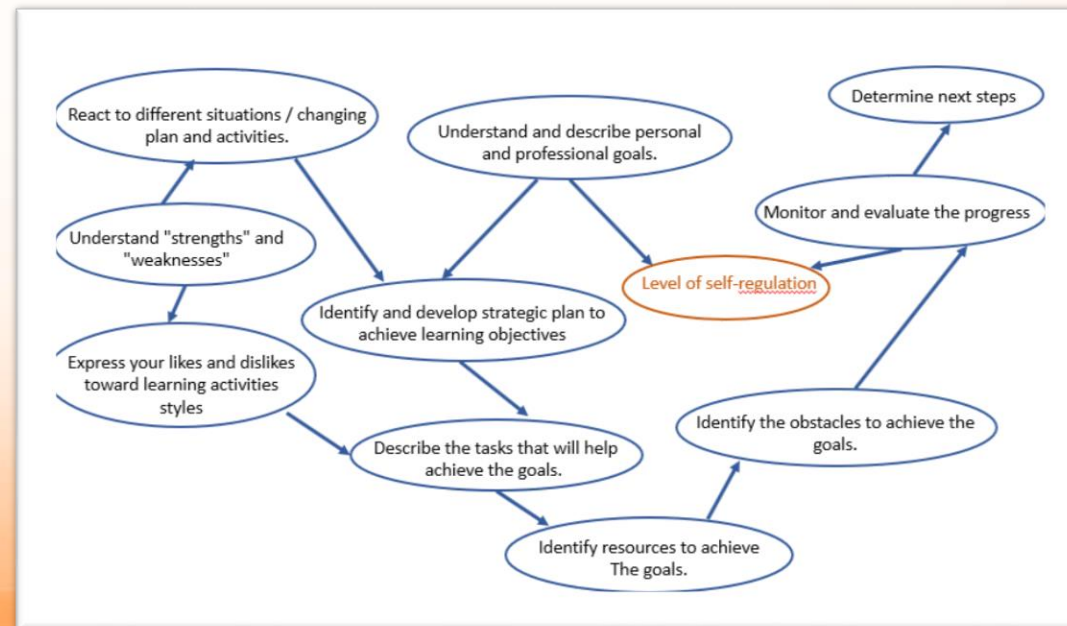


Development's Measurement

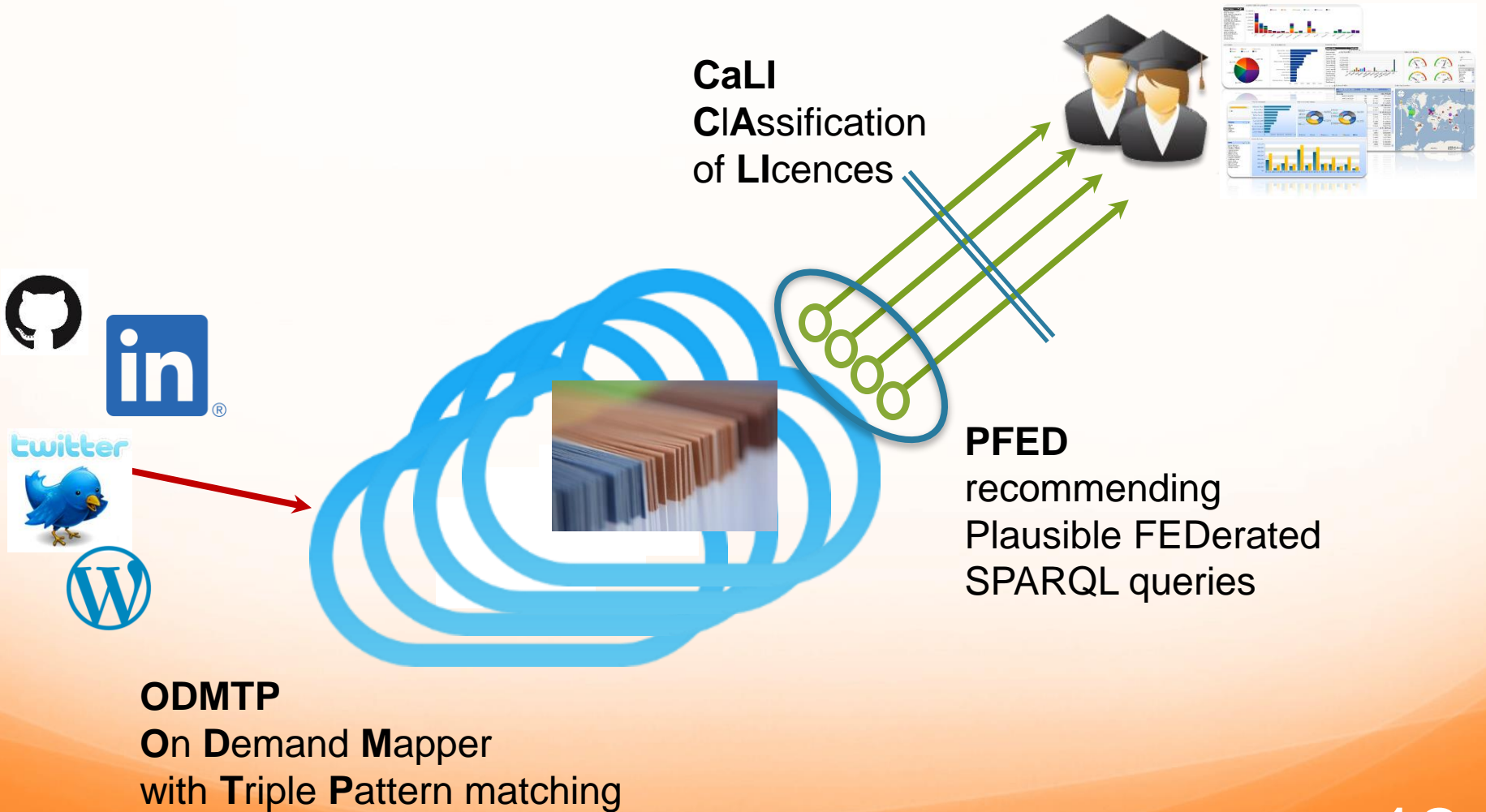
- Based on a theoretical framework (Eneau, Lameul et Bertrand 2014)
- Integrating 4 dimensions
 - Autonomy
 - Identity
 - Socialization
 - Posture
- Questionnaire development
 - Professional posture needs further investigation
- Tested on 6 cohorts of students – 3 times
 - Proves progression
- Perspective
 - Assess the effect of professional posture to autonomy development
 - Impact on effective practice

Computable Learner Models

- Negotiable model
- Reflective Writing
 - Key support for vocational learning
- Potential input for Professional Development Measurement
 - NLP needed!
- Self-regulated learning as operational key of autonomy
- Estimated level of self-regulation thanks Bayesian Network analysis - *Feasibility*



Trusted Collaborative Services



Perspectives

- Better understanding and measurement of Autonomy
 - Direct data capitalization
 - Professional Posture
- Negotiable and shareable Learner Models
- Integrating License Models in decentralized requests
- Decentralized Lifelong Learning Infrastructure
 - Support for autonomy development
 - Data sharing for a better experience
 - Capitalization of Learning Experiences
 - Various services are identified
 - Various testfields identified