Collaborative work between universities and associations to promote sign language open access educational resources on urban agriculture.

Saucian M., Dumat C., Combes S., Messina M., Leroy A., Jules C., Moreau C. & Motet G.
Context

- University education and innovation players involved in “Handiversité” (2016) → disability is a source of technological and social innovation.

- 12 million French people have a disability (20% of population); the French act on equal rights and opportunities, participation and citizenship of persons with disabilities (2005), has therefore empowered all actors to integrate disabled people in the best way possible for all sectors of the company (CPU, 2012).

- But, in University, sustainable teaching practices are sometimes difficult to promote (Blitman, 2016): the inclusion of students with disabilities is certainly an opportunity to promote ecological transition at the University.

UA and Inclusive Education

- **Sankey Diagram**
  - **S1 Urban Agronomy**
  - **S2 Urban landscapes**
  - **S3 Environment & Health**
  - **S4 Circular Economy**
  - **S5 Ecological Transition**
  - **S6 Formation**

- **Points**
  - **UA is relevant to the question of inclusive educational resources accessibility; children are interested, and only few signed resources are available.**
  - **Promote the autonomy of graduates is a fundamental issue for teachers in University.**
  - **Collaborations Universities-Industries-Associations to share teaching experiences and co-build resources widely accessible.**
  - **Educational resources in digital format can be modified to be widely accessible.**
Digital Inclusive Education
UA & LSF

**Opportunities**
- Agility, Evolution
- Share resources: ↓ cost
- Digital kindness: inclusion and social progress, international diplomacy.
- Co-construction Universities-Associations-Industries...↑ the links and professional insertion.

**Limits**
- Time and money consuming, but...
- Keep in mind the reality (pertinent data available) → increase social sciences.
- Ergonomy and pertinence of the tools.

> Il y a un dicton chinois qui dit: « Quand le sage montre la Lune, l'imbécile regarde le doigt. »
> Vu?
Circular economy with digital education in Universities

(Dumat, 2017)
Teach & encourage all learners

Social justice Promoted.

Relevant pedagogical approach

Multiple identities included: biodiversity!

Collective intelligence!

Characteristics and goals of inclusive education. (Dumat, 2017)
The Realizations - Toulouse University

- Creation of widely accessible educational resources (which are often multidisciplinary and collaborative), such as the international scientific network "Réseau-Agriville", (http://reseau-agriville.com/). Few LSF resources.

- MOOC developed by Toulouse University for its Masters’ in industrial safety (www.safety-engineering.org). One unit of that MOOC focuses on sustainable soil management, with a case study on industrial pollution and the environmental and health consequences related to agriculture. Multidisciplinary team (Agronomy, Biogeochemistry, Human and Social Sciences, Project Management, Engineering, Design, and Education) across multiple-institutions (INSA, INPT and UT2J) team, with the financial support of Toulouse University (IDEX).

- Project-MOOC concerning Environment for hearing and deaf students implying GET and CERTOP laboratories;

Thanks for your attention!