

# Reflection on the place of education and training within the Initiative, in particular through MOOCs

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# Training & research = conditions for success of 4p1000 initiative

1. Research: understanding and modeling the complex soil-plant-climate system
2. Educating → empowering decision-makers and actors in the field
3. Training → transfer good practices and give the keys to adaptation to local contexts
4. Massify → target all actors:
  - Decision makers, advisers, farmers (all levels)
  - All ages: initial and continuing education
  - All countries: adapting to local contexts





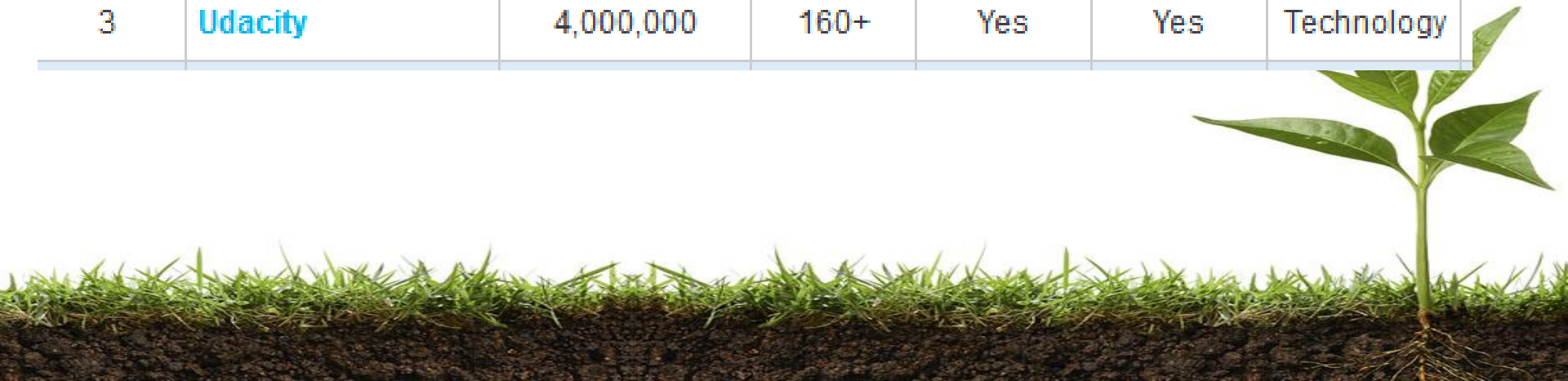
# Digital education: a massive tool for disseminating knowledge





# The main MOOC platforms

Rank 2017	MOOC Platform	Users	N° Courses	Free Courses	Paid Courses	Subjects
1	<a href="#">Coursera</a>	23,000,000	1,800+	Yes	Yes	Varied
1	<a href="#">EdX</a>	10,000,000	950+	Yes	Yes	Varied
2	<a href="#">FutureLearn</a>	5,300,000	450+	Yes	No	Varied
3	<a href="#">Udacity</a>	4,000,000	160+	Yes	Yes	Technology



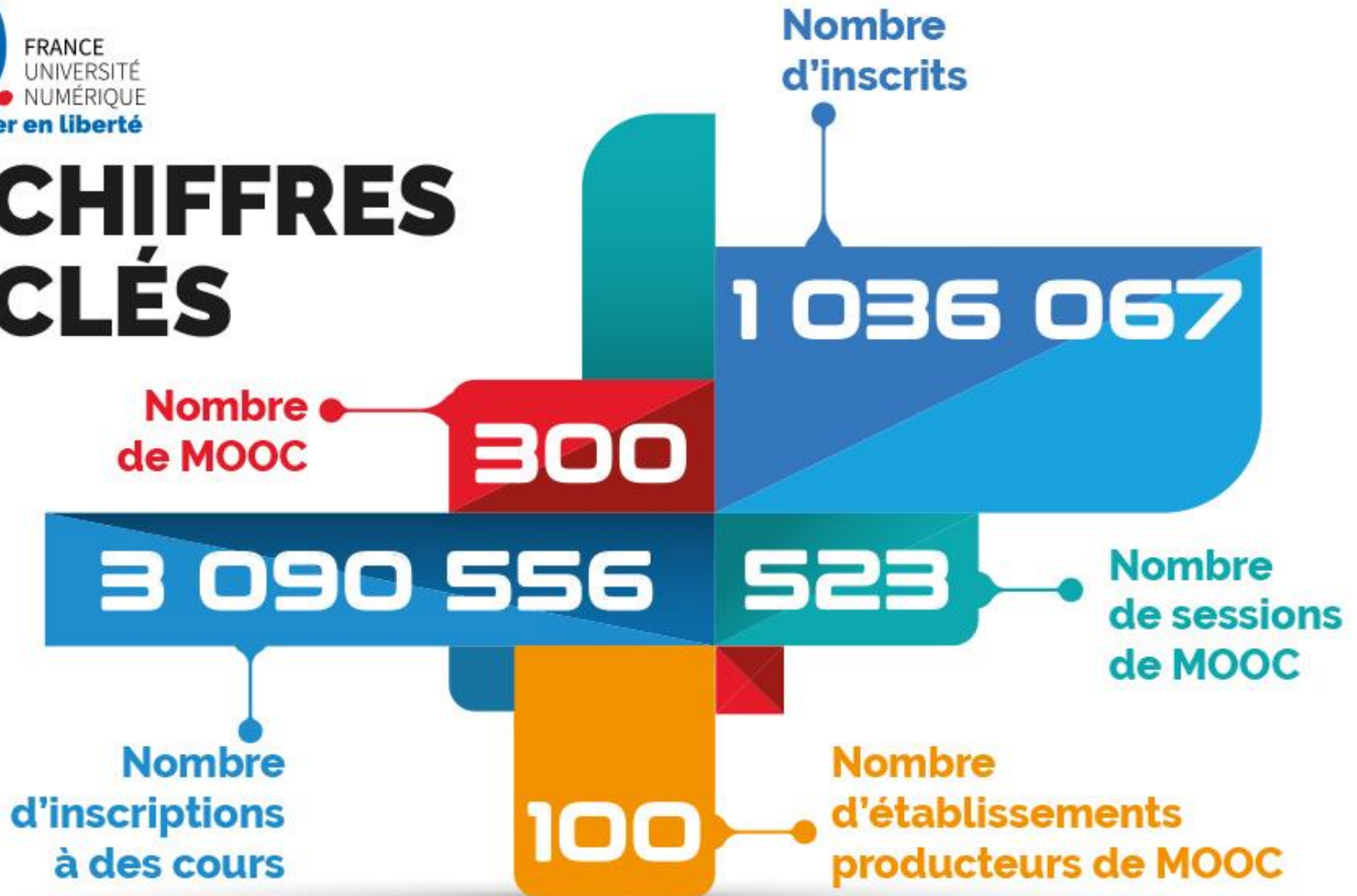


# France Université Numérique



MAI 2017

## CHIFFRES CLÉS



# Exemple of the agroecology MOOC

- 2016: First year in French: 12,200 people from around 100 different nationalities
- 2017: Improvement and English version
- 2018: Spanish version planned



Début du cours le 17/02/2017





# Agreenium involved in climate change and digital training

une structure  
de coopération



pour la recherche,  
la formation  
et le développement

- Created 2014 by the Law on agriculture
- Member of 4p1000 initiative



# Our members

- 4 research institutes



- 14 higher education schools « grandes écoles » and universities



TOULOUSE-AUREVILLE







# The strength of the network and a shared ambition

4 organismes de recherche

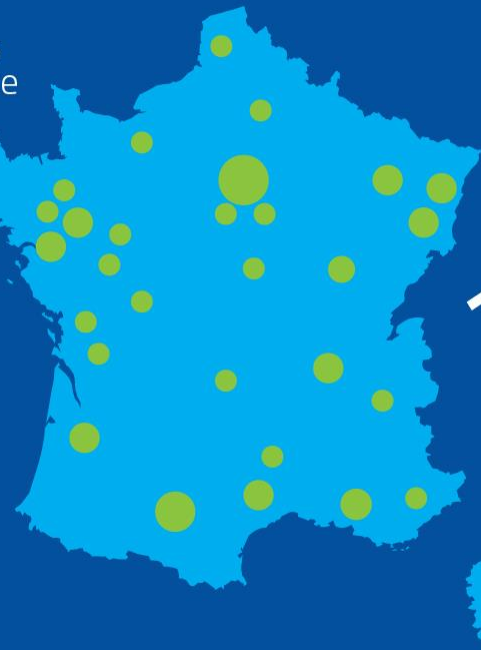
10 000 étudiants



16 800

chercheurs, enseignants-chercheurs, ingénieurs, personnels techniques et administratifs.

14 établissements d'enseignement supérieur





# Priority areas:

- Promote the french research-training-development system in agriscience, especially at the international level
- Coordinate the training courses of our members- develop the PhD training (summer schools, doctoral seminars)
- International skills development projects
- Develop digital training courses





# Agreenium committed to the dissemination of knowledge through digital technology

FUN MOOC Se former en liberté



**SESS ION 2**

Chemoocs-bas : les bases de la chimométrie  
Agreenium

Debuté 02 oct 2017 [En savoir plus](#)



**SESS ION 2**

Chemoocs-avancé : chimométrie avancée, validation de méthodes  
Agreenium

Debuté 23 oct 2017 [En savoir plus](#)



**SESS ION 2**

ProtéINNOV : Protéines végétales et Innovation  
AgroSup Dijon

En cours 29 mai 2017 [En savoir plus](#)



**SESS ION 2**

Anatomie du Bois  
Université de Lorraine

Terminé 12 mar 2017 [En savoir plus](#)



**SESS ION 3**

Analyse des données multidimensionnelles  
AgroCampus Ouest

Terminé 06 mai 2017 [En savoir plus](#)



**SESS ION 3**

Exploratory Multivariate Data Analysis  
AgroCampus Ouest

Terminé 06 mai 2017 [En savoir plus](#)



**SESS ION 2**

La Coopération Agricole - Niveau 1  
AgroParisTech

Terminé 14 mai 2017 [En savoir plus](#)



**SESS ION 1**

NECTAR : Nématodes Cultures Taxonomie Arthropodes  
Montpellier SupAgro

Terminé 20 mar 2017 [En savoir plus](#)



**SESS ION 1**

Bases en épidémiologie des maladies animales  
Agreenium



**SESS ION 1**

Dynamiques des paysages  
Université de Rennes 1



**SESS ION 2**

Agroécologie  
Montpellier SupAgro



**SESS ION 2**

Agroecology, an introduction  
Montpellier SupAgro



Montpellier 29th & 30th June 2017 – 2nd CONSORTIUM of MEMBERS

# Agreen U – Digital university in agrisciences



[accueil](#)

[le projet d'agreen u](#)

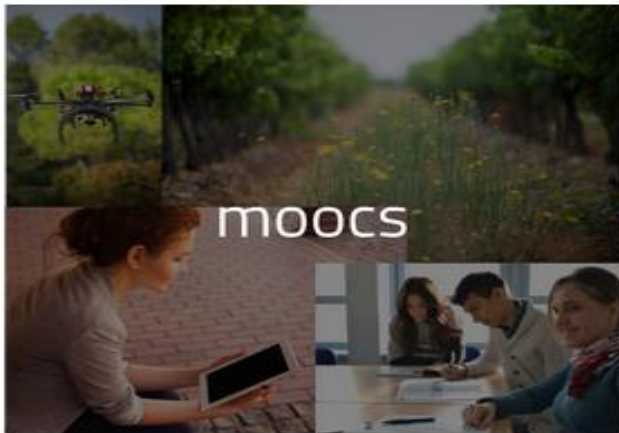
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## notre offre pédagogique

Bienvenue dans le catalogue de formations numériques et de vidéos d'agreenU





# Mooc project "Soils for food security and climate "

- **Operational objective:** Understanding the role that agricultural soils can play in relation to climate change
- **Duration:** 5 weeks, 2-3 hours of personal work per week
- **Target audience:** Initiative partners, professional organizations, teachers and researchers, international organizations
- **Multilingual French, English and Spanish**





# Mooc project "Soils for food security and climate "

- **Themes:**

1. Challenges of agriculture and soil faced with climate change
2. Carbon storage in the soils
3. Carbon measurement in the soils
4. Agricultural and forestry strategies
5. Socio-economic levels for action

- **Partners**

- Agreenium with AgroParisTech, CIRAD, INRA, and IRD
- Other international partners are welcome (as authors, broadcasters, funders) ...





Montpellier 29th & 30th June 2017 – 2nd CONSORTIUM of MEMBERS



**Thank you for your attention**

