



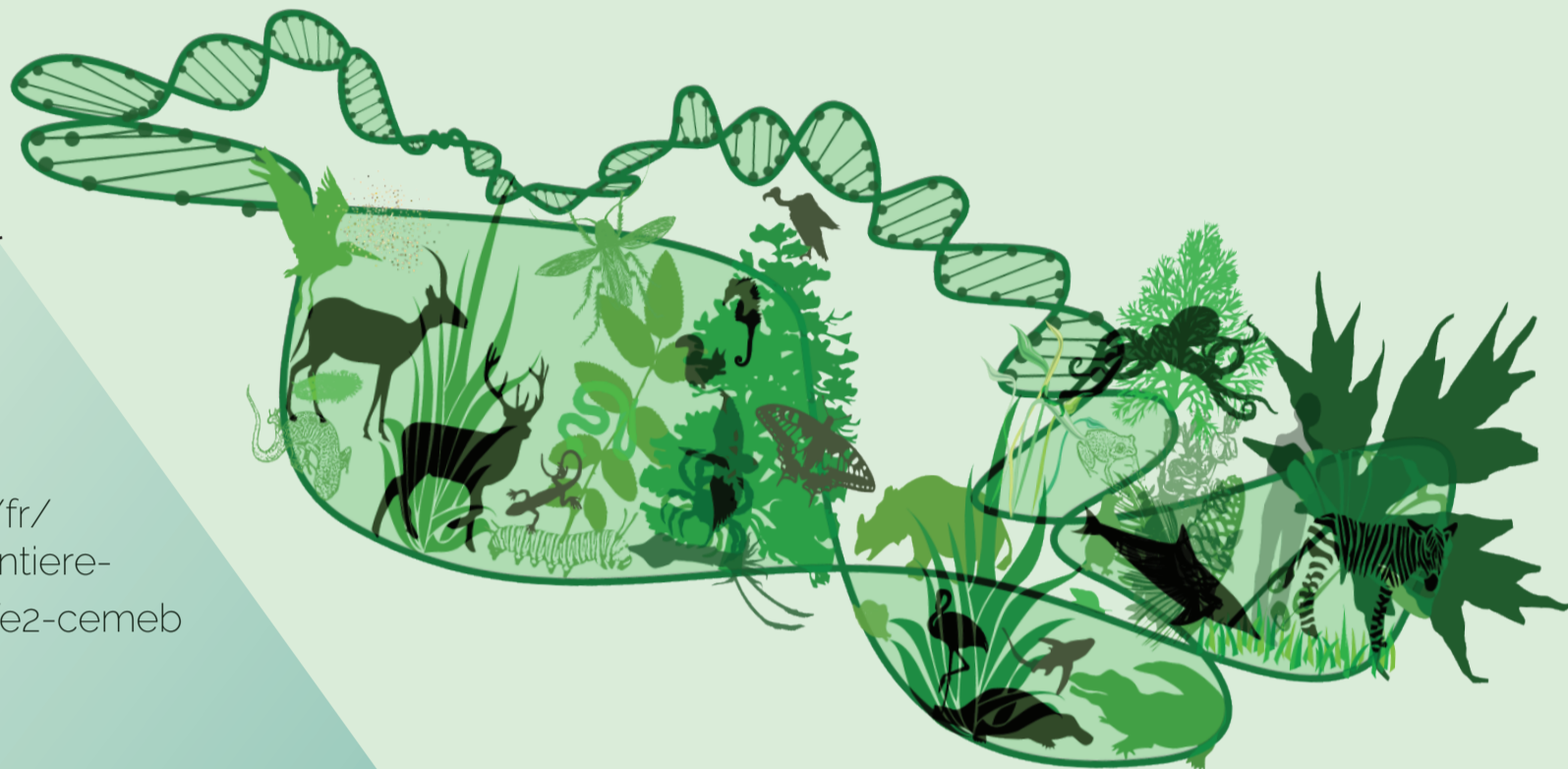
*organisent une journée de réflexion sur le thème:*

# A la frontière entre écologie et évolution

## *At the border between ecology and evolution*

**14 mars 2019**

à Agropolis international  
1000, avenue Agropolis  
Montpellier, France



### Inscription (obligatoire):

<http://www.labex-cemeb.org/fr/actualites/14-mars-2019-la-frontiere-entre-ecologie-et-evolution-sfe2-cemeb>

## Programme

9:00 - 9:10 Introduction SFE<sup>2</sup> et Labex CeMEB

9:10 - 9:40 Sébastien Dutreuil : Gaia, non-standard forms of natural selection and ecosystem ecology: history of misunderstandings and recent perspectives

9:40 - 10:10 Nicolas Loeuille : Coevolution in interacting networks

10:10 - 10:40 Delphine Legrand : Eco-evolutionary dynamics in fragmented landscapes: how bridging the gap between models and experiments?

10:40 - 11:00 Lutz Becks : Can we predict when evo drives eco?

Pause café

11:30 - 12:00 Sébastien Lion : Environmental feedbacks and time scales in evolutionary ecology

12:00 - 12:30 Ellen Decaestecker : The role of the microbiome in eco-evo dynamics: Daphnia as a model

12:30 - 13:00 Emanuel Fronhofer : Eco-evolutionary dynamics of species' ranges

Pause Déjeuner

14:15 - 15:15 Ateliers, session 1

15:20 - 16:20 Ateliers, session 2

Pause café

16:35 - 17:15 Discussion générale - SFE<sup>2</sup> et Labex CeMEB

## Ateliers menés en parallèle

- 1- When should we consider both ecological and evolutionary processes to address biodiversity issues?
- 2- Eco-evolutionary dynamics and hot topics in ecology and evolution
- 3- The kind of experiments required to study eco-evolutionary dynamics
- 4- The kind of models required to study eco-evolutionary dynamics
- 5- Eco-evolutionary dynamics and predictions / scenarios
- 6- Eco-evolutionary dynamics from philosophical and epistemological perspectives
- 7- Implications of eco-evolutionary dynamics for biodiversity management, agriculture, health ...