



université PARIS-SACLAY

## **CLIMATE AND ENVIRONMENTAL CHANGE IN ARID CENTRAL ASIA : IMPACTS, VULNERABILITY AND ADAPTATIONS.**

**Climatic and environmental changes in the Aral Sea Basin represent a complex combination of global, regional, and local processes of variable spatial and temporal scales.**

Vendredi 27 juin 2014 à 12h15

Amphithéâtre Mérieux

Observatoire de Versailles Saint-Quentin-

They are driven by multiple interconnected factors, such as changes in atmospheric circulation associated with global warming, regional hydrological changes caused by mountain-glacial melting and massive irrigation, land use changes, as well as hydrological, biogeochemical, and meso- and microclimatic changes in the Aral Sea and its quickly expanding exposed dry bottom. Human vulnerability to climate change involves many dimensions, such as exposure, sensitivity, and adaptive capacity and affects various aspects of human-environmental interactions, such as water availability and stress, agricultural productivity and food security, water resources, human health and well-being and many others at various spatial and temporal scales.

