



Conference-related project article:

LIFE AgriAdapt

Webtool for sustainable adaptation of typical EU farming systems to climate change
www.agriadapt.eu

Content/short description

The partners of the LIFE AgriAdapt project have developed a methodology to assess the climate risk at farm level using past weather data and climate projections (by Agri4Cast). This methodology was tested on 126 pilot farms across Europe. Essential parts of this methodology and the main monitoring results of the 126 pilot have been made accessible with the development of AWA - the AgriAdapt Webtool for Adaptation. AWA offers three successive modules to strengthen the agroclimatic knowledge of the users and to support their decisions towards a more resilient agriculture.

Information Module - FARM VULNERABILITY AND ADAPTATION QUIZ: With thirty questions, the users will be able to test their knowledge of climate change, agricultural impacts of the climate on different agricultural productions and possible adaptation measures at farm scale.

Data Module - YIELD & CLIMATE (OBSERVATIONS AND PROJECTIONS): This module consists of a map entry proposing the consultation of agronomic (yields) and climatic (observations and projections) data for different geographic locations throughout Europe. For each grid point, a compilation of annual yields from different crops (2000-2017) first shows the yield variability. Then, the description of the past climate (observations 1987-2016) is presented for several variables: temperature, precipitation, number of days of freezing, etc. Finally, climate projections illustrate in the form of 10 graphs the climate changes for the near future period (2017-2046), then supplemented by 19 agro-climatic indicators specific to arables crops, fodder, animals, vineyards and orchards.

Measures Module - SUSTAINABLE ADAPTATION MEASURES: This module is devoted to sustainable adaptation measures at farm scale. For all 3 agricultural systems studied, sustainable adaptation measures are classified according to 4 components of farm vulnerability. The proposed measures are distinguished according to the possibility of implementation in the short, medium or long term – and they specific to each of the 4 climate zones proposed (South, Atlantic, Continental, North).

Links to papers/Videos, etc.

AWA Webtool: <https://awa.agriadapt.eu/en/>

Main results from LIFE AgriAdapt like the Manual "Farming & Adaptation" or the farming adaptation training pack : <https://agriadapt.eu/documents/>

AgriAdapt videos: <https://agriadapt.eu/radio-2/>

Contact:

Name: Patrick Trötschler

E-Mail: p.troetschler@bodensee-stiftung.org

Website: www.agriadapt.eu



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