

**Table S2.** Digital agriculture policies of China and the EU.

China				EU		
Competent authorities	General office of the state council, national development and reform commission, ministry of agriculture of the people's republic of China			European Commission, Directorate-General for Agriculture		
Policy start-up stage	2015	Guiding Opinions on Actively Promoting the "Internet Plus" Action Plan	"Internet Plus" modern agriculture	1992	McSharry reform of the common agricultural policy	Create a database
	2015	Notice on Issuing the action platform for promoting the development of big data	Big data for agriculture and rural areas	2003	The Mid Term Review of the Common Agricultural Policy	Establishing a national advisory service system
	2016	Outline of National Informatization Development Strategy	Promote the application of information technology and intelligent equipment	2008	Reform of the European Union's Common Agricultural Policy	Enhancing the effectiveness of measures in the Mid-term review
Policy development stage	2017	Opinions on the implementation of promoting the development of big data in agriculture and rural areas	Clarified five basic tasks and eleven key areas	2014	Horizon 2020	Achieve smart, sustainable, and inclusive agricultural growth
	2017	Promote the Development of the New Generation Artificial Intelligence Industry	Smart agriculture	2017	The Future of Food and Farming	Using modern technology to support local farmers
	2019	Outline of digital village development strategy	Digital Rural Development Plan	2019	A smart and sustainable digital future for European agriculture and rural areas	Promoting digital technologies in sustainable agricultural transformation