Is Italian agriculture ready for climate change?  
Let’s hear the voice of the Agroscenari project  
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**IPHEN - ITALIAN PHENOLOGICAL NETWORK**  

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IPHEN is a cooperative project started in 2006 with the aim of producing nationwide maps of analysis and forecast of plants phenological stages mainly used to satisfy the needs of agriculture, health and environmental care. It is a data processing system composed of the following main segments (a) collection of atmospheric and phenological data (b) processing of data with suitable phenological and geostatistical models; (c) production of phenological maps of analysis and forecast.

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**Academy**  
**LPGP**  
**GIS**  
**P&G**

![Flow Chart](image)

**INPUTS NEEDED BY THE SYSTEM:**  
(a) phenological data provided weekly by volunteer observers  
(b) daily maximum and minimum temperatures gathered by the National Agrometeorological Network - RAN

**OUTPUT:**  
PHENOLOGICAL MODEL Correlation between BBCH phases and cumulative thermal resources (NHH)

**PRODUCTS**  
**Maps of phenological analysis and forecast are available on the website of the project [www.cra-cma.it/iphen/mappe.asp](http://www.cra-cma.it/iphen/mappe.asp) together with original records, original bibliography, the survey protocols and manuals. Since the end of 2011, the maps, with other agrometeorological analysis, have been organized in a downloadable weekly bulletin.**

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