



Scan the QR Code and learn more!

Spoke 6
Primary agroindustry

Discover the 20 projects of Spoke 6 funded by the NODES cascade calls.

Spoke 6 Primary agroindustry promotes the sustainable development of agricultural territories through sensors, mapping systems, data collection and processing and service development.

Themes



Sustainable agroindustry



Digital agriculture



THE IMPACT ON OUR COUNTRY FROM THE NORTH-WEST TO THE SOUTH

NODES brings together the regions of **Piedmont, Valle d'Aosta** and the westernmost provinces of Lombardy: **Como, Varese and Pavia**. The available PNRR funds amount to over **112 million euros** and will be used to support sustainable and inclusive growth for Italy's **digital and ecological transition**, with positive impacts on the territory. The regions of **Southern Italy** (Abruzzo, Molise, Campania, Puglia, Basilicata, Calabria, Sicily and Sardinia) will also benefit from these funds: **15 million euros** will in fact be dedicated to research activities and cascade funding for businesses in the South.

THE ECOSYSTEM OF DIGITAL AND SUSTAINABLE INNOVATION

NODES - Nord Ovest Digitale E Sostenibile - is **one of the 11 innovation ecosystems** identified by the Ministry of University and Research (MUR) within the framework of the NRRP (Decree No. 1054 of June 23, 2022).

This initiative is part of the project NODES which has received funding from the MUR - M4C2 1.5 of PNRR funded by the European Union - NextGenerationEU (Grant agreement no. ECS00000036)

Spoke 6 coordinated by — Partners —



Discover more on ecs-nodes.eu



HUB NODES Scarl
C.so Duca degli Abruzzi 24
10129 Turin, Italy
info@ecs-nodes.eu



INNOVATION Industrial PoCs



Spoke 6
Primary
agroindustry



Spoke 6 - Primary agroindustry

Industrial PoCs

Discover the 20 projects of Spoke 6 funded by the NODES cascade calls.



AGRI-SMART

Line A Call

Develop distributed sensors to monitor soil moisture and optimize water use in agriculture.



APNR

Line A Call

Develop a digital and sustainable model for the Pinot Noir supply chain, from vineyard to consumer.



CEBUS

Line A - Mezzogiorno

Develop a humus balance model for sustainable agricultural management and soil protection.



DAIRY LIFE PRO

Line A - Mezzogiorno

Develop intelligent software to optimize the management of intensive dairy farms.



DIGICAO

Line A - Mezzogiorno

Develop an information system for the digitalization of companies affiliated with the Oristano Sheep Breeders Cooperative.



DIGICAT

Line B Call

Develop a digitalizable process for the production of biostimulants from digestate.



DIGIFARM

Line A Call

Improve the technical and economic efficiency of livestock farms and their economic and environmental sustainability with digital solutions.



DIVINE

Line A Call

Aim for the automatic detection of downy mildew and powdery mildew in grapevines.



SRUFTAI

Line B Call

Develop an ultrasound technology for food processing that is simple, effective and adaptable.



STRATAG

Line A Call

Develop services accessible through a webGIS platform for precision agriculture.



EVA

Line A Call

Develop a robotic machine capable of automatically harvesting fruit from trees.



GAINS

Line A - Mezzogiorno

Develop a smart agriculture service for wheat cultivation based on predictive models.



TRACTOR

Line A Call

Develop a digital technological solution to optimize production and management processes in agricultural companies.



UFTAI

Line B Call

Develop an ultrasound technology for the agri-food sector that improves quality and reduces costs and consumption.



OLIOP

Line A Call

Act as an incubator for the new olive-growing supply chain in Oltrepò Pavese.



PESTWIN

Line A Call

Develop a digital twin for the study of agricultural pests and enable targeted and effective management.



VINE-AI

Line A Call

Implement a cloud-based web platform for monitoring the health status of vineyards.



VIPRES

Line B Call

Develop a precision vineyard monitoring protocol to improve wine quality.



SMART-SILO

Line A Call

Develop an interconnected silo for "intelligent" feed supply and improve the sustainability of the dairy sector.



SPIDAP

Line A - Mezzogiorno

Develop a digital platform based on artificial intelligence for precision citrus farming.

