

adesva

CENTRO TECNOLÓGICO
AGROINDUSTRIAL

Santarem, June 5th
II Plant Intercluster Meeting

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Agencia de Innovación y Desarrollo de Andalucía IDEA
CONSEJERÍA DE INNOVACIÓN, CIENCIA Y EMPRESA

www.citadesva.com

Our association: 41 members / 90 % SME

PROVIDERS, LABS...

Agrogal	Larorsur, S.L.	IMP
Agrocolor	Lepeplas, S.L.	ID Huelva
Newbiotechnic	Verdtech	Virfran Publicidad
Lacoal	Viveros California, S.L.	IG4
Special Fruit	Hispacec	Tegnos
Agrométodos	Transonuba	EARIS
ULMA	Serfruit	Planasa
Logmax Iberia	Albatros	Agrobot

PROCESSING

J. García Carrión	Hudisa	Bio Oils
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FRESH PRODUCE

Grufesa S.A.T.	Agromolinillo	Ácronos
Rio Tinto Fruit, S.A.	FRESHUELVA	Cuna platero

PUBLIC ENTITIES

Agencia IDEA	Ayto. de Lepe	Ayto Cartaya
Fundación Caja Rural del Sur		Univ. de Huelva

PROJECTS

- 🌿 90 projects developed in Adesva since October 2007
- 🌿 Nearly 5 MM€ financial support for private SME projects

AGRICULTURAL PRODUCTION

- 🌿 Experts on fruit production: oranges, pomegranates, berries,
- 🌿 Novel greenhouse technologies, non-chemical pesticides and fertilizers, biological fight, biodegradable plastic mulch and cover plastic, optimization of the irrigation and fertilization, humidity tests.

ENVIRONMENT AND SUSTAINABILITY

- 🌿 Biomass, biofuels and biogas
- 🌿 Bioplastics
- 🌿 Design of efficiency models in fertirrigation labeling: CO₂ footprint / water footprint

AUTOMATION AND MACHINERY

- 🌿 1st utility model in strawberry planting in Spain
- 🌿 Working with international machinery suppliers for developing 1st orange harvester
- 🌿 Cooperation in a novel artificial vision assisted robot for strawberry harvesting

NUTRITION AND FOOD INDUSTRY

- 🌿 Nutritional and health labeling in fruits
- 🌿 RTE fruits and extraction of bioactive molecules
- 🌿 Members of Food for Life – Spain Platform

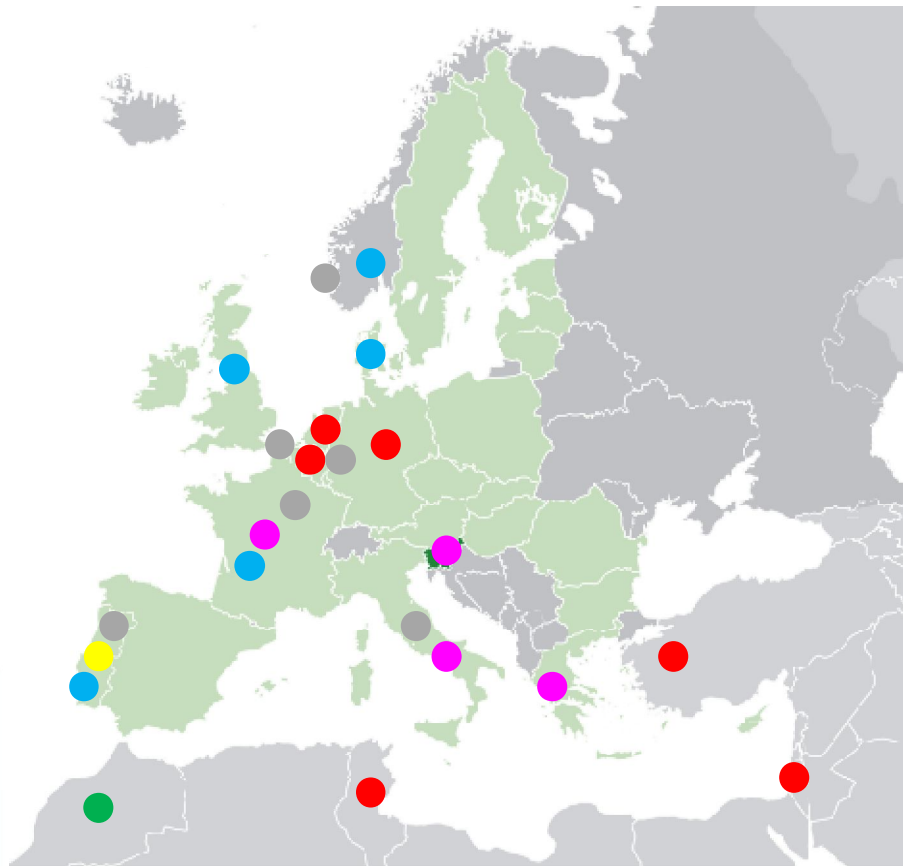
PARTNERSHIP IN EU PROGRAMMS

- 🌿 6 proposals submitted in 2011: 7FP: KBBE, PEOPLE; CIP: IEE; INTEREG: POTEFEX
- 🌿 5 projects accepted since 2009: 1 M€ budget for Adesva (15 MM€ total EU FUNDS)



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International partnership



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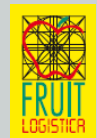
European projects :

- **A2 Transfer** POCTEP 2010 Andalucía-Alentejo
100 K€ of 700K€ total budget
- **Agrobiofilm** FP7 SME-2010: Development of customized biodegradable plastics
181 k € of 5 M € total budget
- **KNOWINTARGET** Framework MED 2009:
170 k € of 1.7 M € total budget
- **RETCETEC** 2011 POCTEFEX Marruecos-Andalucía
147K€ budget Adesva
- **RESFOOD** FP7-ENV-2012-two-stage: Resource Efficient and Safe Food Production and Processing
396 k€ of 5,8 M€ total budget

International customers

Conferences and scientific posters: Beijing 2012

Commercial missions



Our human resources & facilities

- 23 core team
- 8 upgraduated technicians / 2 Ph. D. / 3 students trained every year
- Up to 12 low-qualified employees working in the orchards

Offices



- 2,100 m2 surface for fairs and meetings
- ≈ 12 events celebrated per year and more than 3,000 visitors since 2007
- 8 EIBT's hosted in our offices (ICT, agricultural chemistry, consulting, ecological agriculture,...)

Laboratory



- ISO certified laboratory for analytical chemistry (food, water, soil, waste,...)
- NIR, UV-visible & mass spectroscopy, liquid & gas chromatography, potentiometry, ...

Tests field

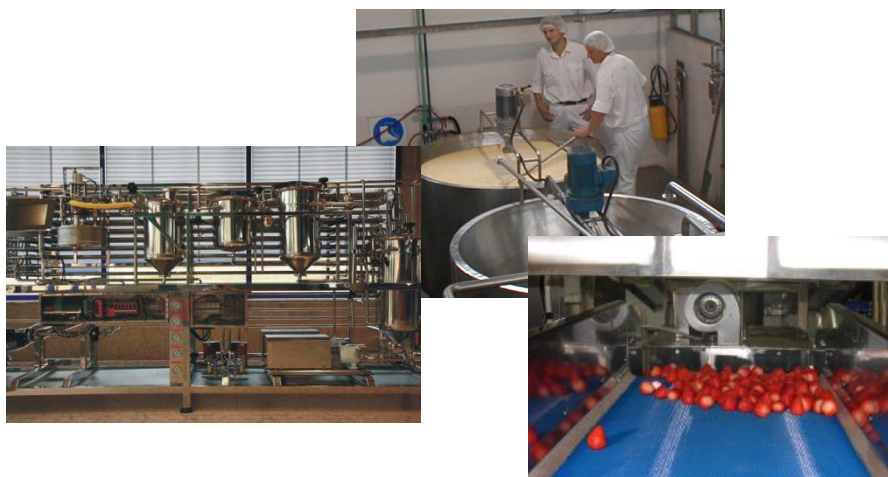


- 20,000 m2 surface test field on berries and other cultures
- A total of 22 greenhouses, 2 of them under hydroponic culture
- Computer assisted irrigation system, humidity and temperature sensors, 100 m3 capacity composting equipment,...
- 38,000 m2 dry-land crops for 2nd generation biofuels

Our latest and newest

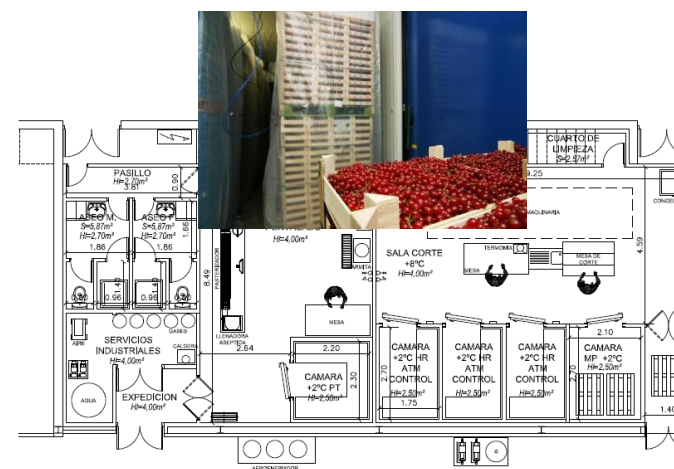
Ready for start-up !!!!!

Food engineering



- 🌿 500 m2 fresh cut produce pilot plant
- 🌿 1 Ton production range (raw material)
- 🌿 Soft drinks pilot plant (aseptic conditions)
- 🌿 HPP and SFE
- 🌿 Freeze drying technologies

Post-harvest technologies



- 🌿 62 m3 cool storing capacity
- 🌿 5 cool rooms under RH & T monitoring conditions
- 🌿 Flexible CA storing chambers: ULO
- 🌿 Fresh Produce Shelf Life determination
- 🌿 Fresh Produce Respiration Rate determination
- 🌿 MAP tests

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