Agencia de Gestión Agraria y Pesquera de Andalucía
CONSEJERÍA DE AGRICULTURA, PESCA Y DESARROLLO RURAL

Compra pública de innovación

Development of innovative analytical methodologies for the agri-food sector incorporating information and communication technologies (ICT)

Preliminary Market Consultation

BIOSPAIN 2018

Seville, 25-27 September 2018

Project lines

1. Identification of negative results on site in the framework of official Food Inspection. Characterization of **Olive oil**.

2. Identification of negative results on site in the framework of official Food Inspection. **Detection of biotoxins in bivalve molluscs.**

BUDGET 1+2: 767.000 €

3. Comprehensive and versatile analytical tool for **food authentication**.

BUDGET 3: 475.000 €

4. Rapid identification of **milk and dairy products adulteration.**

BUDGET 4: 150.000 €

5. Improvement of the analyses developed to **Andalusian cotton fibres.**

BUDGET 5: 100.000 €

PRESUPUESTO: 1.492.000 €

Objectives

Reducing the time for the results of agri-food analyses

Improving the effectiveness of **security, traceability, early warning and risk management systems.**

Improving the efficiency of **resources**

Improving the **processes** of the agri-food chain,

Increasing the **quality and safety** of food

Improving the public services offered to citizens

Participantes

Agencia de Gestión Agraria y Pesquera de Andalucía
AGAPA

Dirección Gerencia

Secretaría General

Servicio de Régimen Jurídico y Contratación

Subdirección Técnica

Subdirección General de Control e Inspección Agroalimentaria

Servicio de Inspección Agroalimentaria

Servicio de Coordinación de Laboratorios

Objectives of the PPI

- Improving public services
- Promoting business innovation
- Boosting the internationalisation of innovation using the local public market as a customer to lunch products or a reference to learn from.

Pre-commercial Public Procurement (PPP)

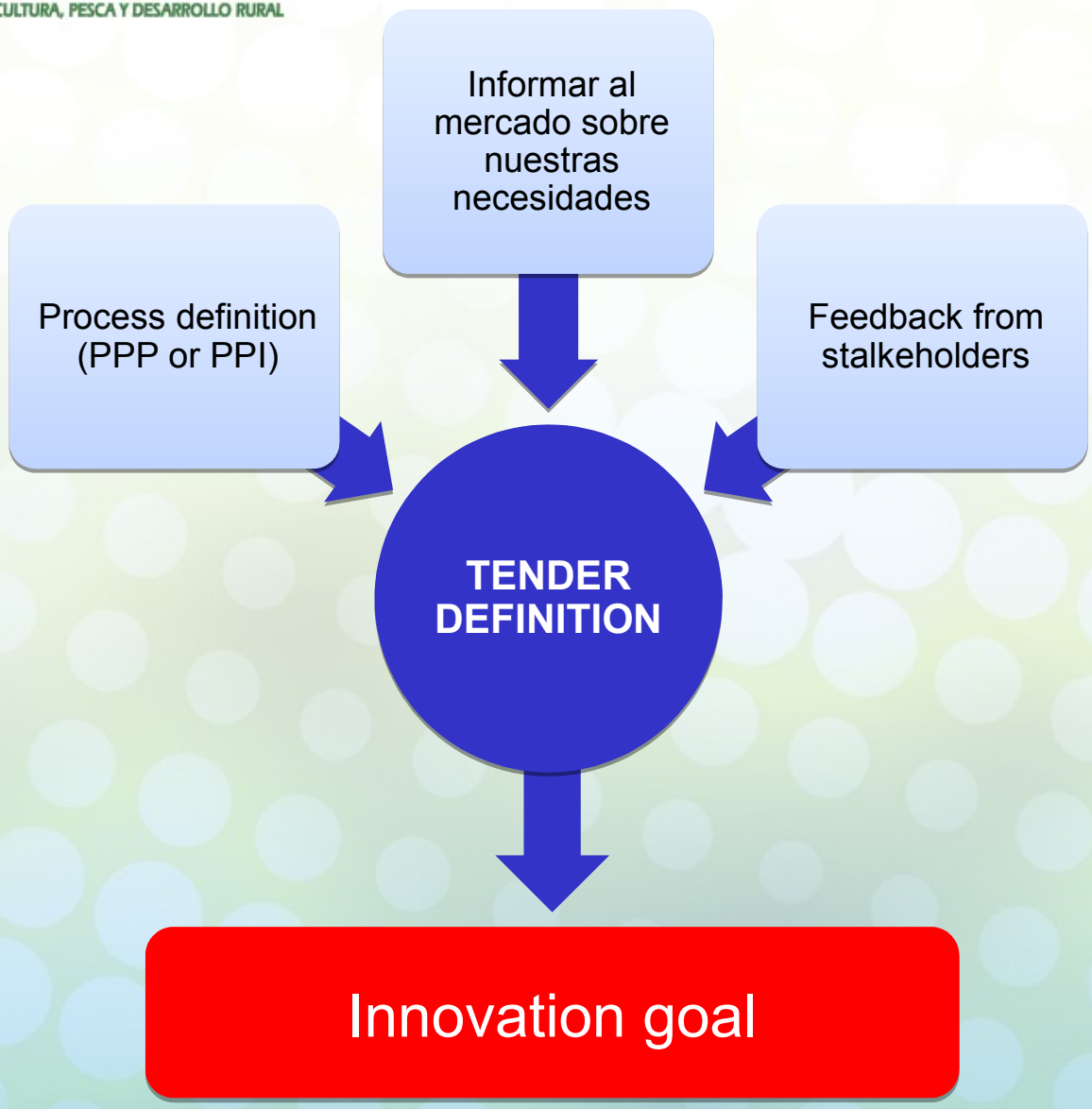
- PP of R&D results. Purchaser and companies share the risks and benefits resulting from the research on solutions to the problems posed by the tenderer.

Public Procurement of Innovative Solutions (PPI)

- PP of goods and commercial services, ready for public use. The purchaser receives goods and services that do not exist in the market and do not require a previous phase of R&D in order to provide public services.

SCHEDULE

	2018	2019	2020	2021	2022	2023
PPP	Stage O PMC	Stage I Preprototyping 3 companies 3 months	Stage II Prototyping 2 companies 6 months		Stage III Trials 1 companies 18 months	CLOSING
PPI	Stage O CPM		Stage I Adapted Solution 3 companies 1 year	Stage II Trial 1 companies 6 months	Stage III Launch 1 companies 1 year	Closing


Informar al mercado sobre nuestras necesidades
Process definition (PPP or PPI)
Feedback from stalkeholders
TENDER DEFINITION
Innovation goal

Current status of the preliminary consultation

https://www.agapa.junta-andalucia.es/portal/

Documentos de la consulta preliminar al mercado:

- Documento de la Consulta Preliminar al Mercado (26/09/2018).
- Anexo 1 Metodologías Analíticas 1.1. Negativos in situ aceite (26/09/2018).
- Anexo 2 Metodologías Analíticas 1.2. Negativos biotoxinas (26/09/2018).
- Anexo 3 Metodologías Analíticas 1.3. Autentificación (26/09/2018).
- Anexo 4 Metodologías Analíticas 1.4. Identificación rápida adulteraciones leche y lácteos (26/09/2018).
- Anexo 5 Metodologías Analíticas 1.5. Necesidades analíticas fibra algodón (26/09/2018).
- Formulario para la Solicitud de Participación en la Consulta Preliminar (26/09/2018).
- Para acceder a la Encuesta, pinche aquí.
- Formulario para la remisión de dudas (26/09/2018).

Documentación adicional:

- Anuncio de la Dirección Gerencia.
- Perfil del contratante.
- Acuerdo de 4 de septiembre de 2018, del Consejo de Gobierno, por el que se aprueba la Estrategia para el Impulso y Consolidación de la Compra Pública de Innovación en la Administración Pública de la Junta de Andalucía.
- Estrategia para el Impulso y Consolidación de la Compra Pública de Innovación en la Administración Pública de la Junta de Andalucía.
- Guía 2.0 sobre Compra Pública de Innovación. MINECO.

IMPORTANTE.

PLAZO: La consulta estará abierta desde el día 26/09/2018 hasta el día 26/11/2018. Las ampliaciones de plazos serán informadas a través de la web una semana antes de finalización de los mismos.

SOLICITUD DE PARTICIPACIÓN: El formulario será enviado por correo electrónico a la dirección: scia.cpi.agapa@juntadeandalucia.es

Para acceder a la ENCUESTA, pinche aquí

DUDAS Y PREGUNTAS: El formulario será enviado por correo electrónico a la dirección: scia.cpi.agapa@juntadeandalucia.es

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CONSEJERÍA DE AGRICULTURA, PESCA Y DESARROLLO RURAL

Compra pública de innovación

PPI PROJECTS

Needs

BIOSPAIN 2018

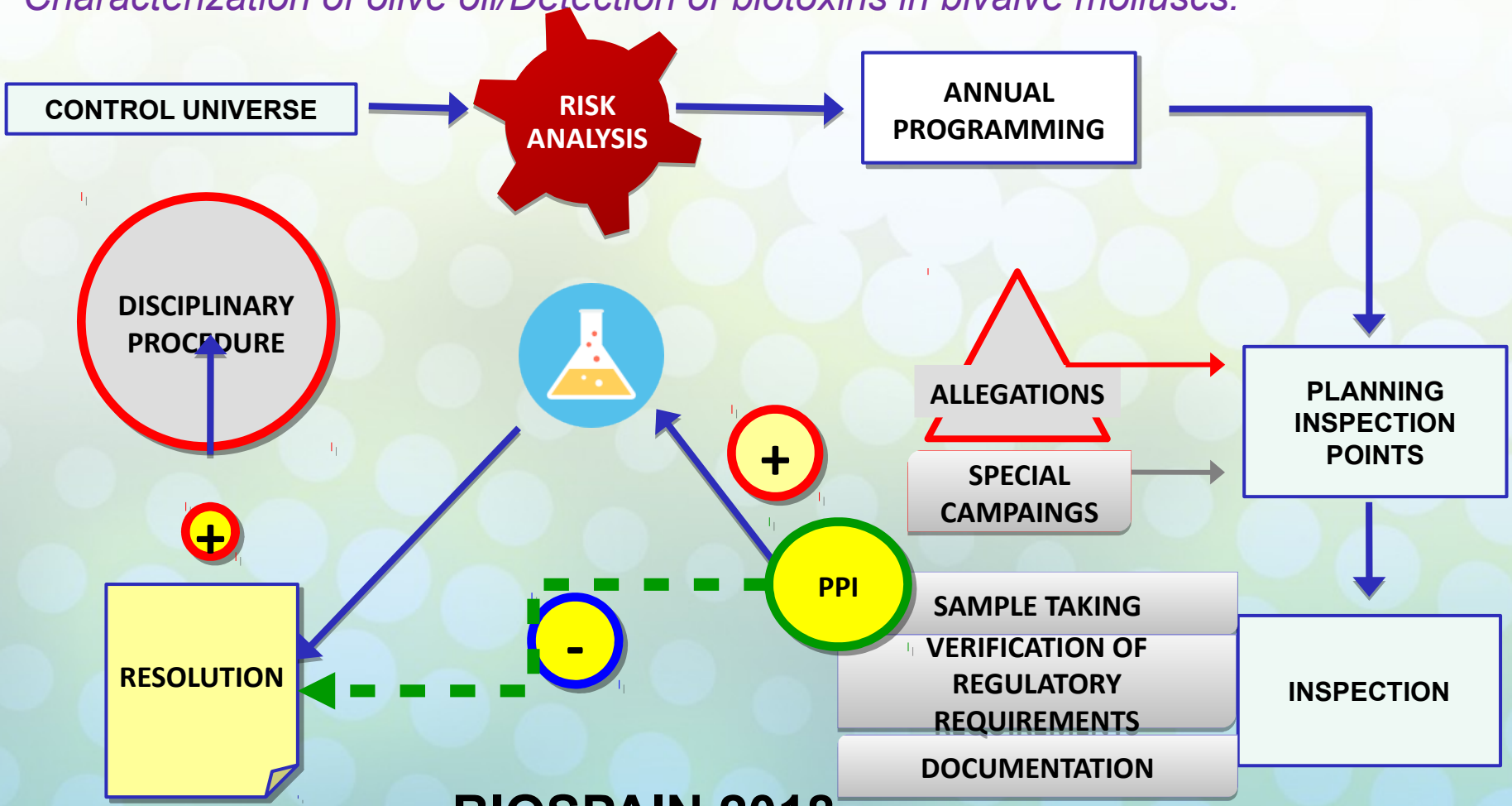
Seville, 25-27 September 2018

Benefits of PPI Projects developed by AGAPA. EFFICIENCY

- **Reducing the time** for the results to guarantee:
  - Food segurity
  - The quality of agri-food products
  -
- **Boosting and making** inspection plans faster.
- Increasing the **quality assurance** of Andalusian agri-food products.
- **Diferentination** of our products.
- **Reducing the economic** losses of the sectors.
- Improving the **quality of the service provided** by the Administration to citizens.
- Improving the **autocontrol systems** of the sector.

1 y 2. Identification of negative results on site in the framework of official Food Inspection.

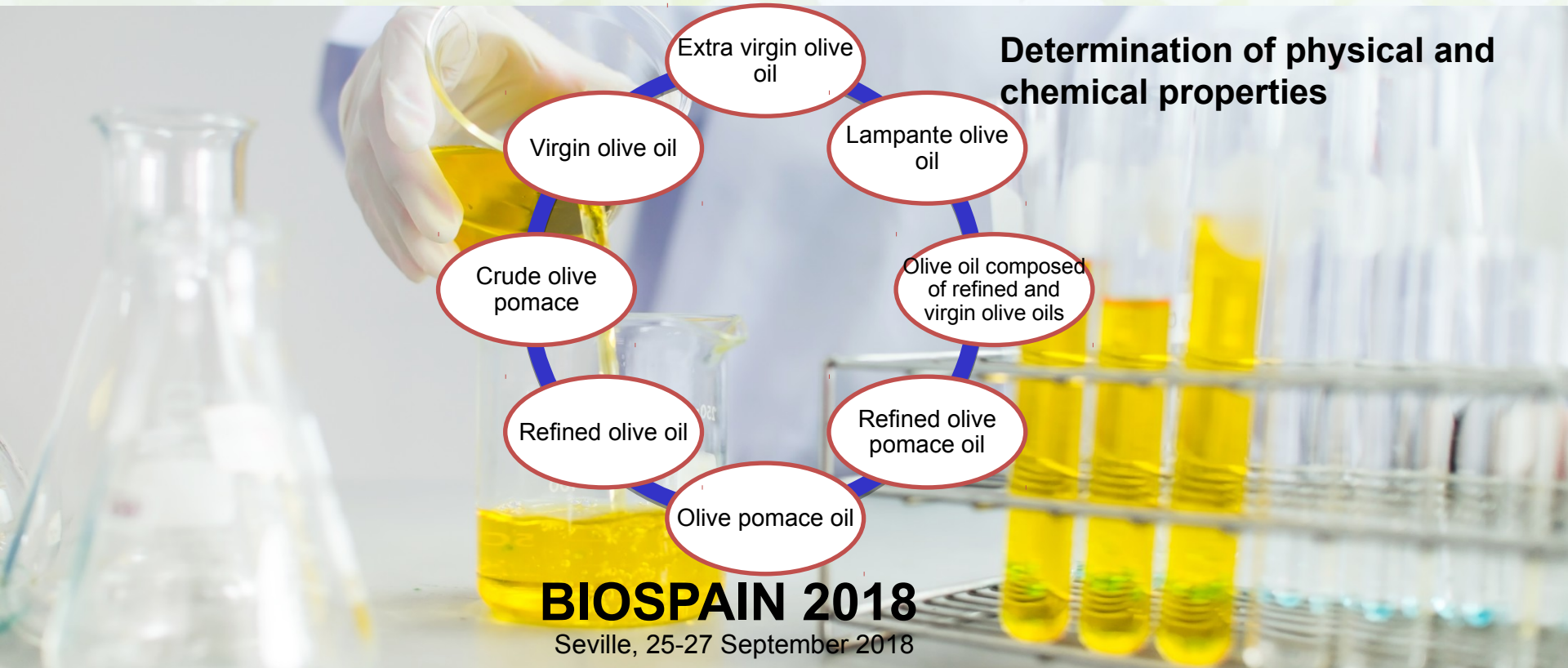
Characterization of olive oil/Detection of biotoxins in bivalve molluscs.



1. Identification of negative results on site in the framework of official Food Inspection.

Characterization of olive oil.

Commission Regulation 2568/91, of 11 July 1991, on the characteristics of olive oil and olive-residue oil and on the relevant methods of analysis.



Determination of physical and chemical properties

ON SITE DETERMINATION

- Eritrodiol Uvaol
- Sterols composition
- A. satured position 2 triglycerides
- Stigmastadiene
- Difference between ECN42HPL y ECN42
- Fatty acids
- K_{270}
- Acidity
- Ethyl esters
- Peroxide index
- Sum of translinoleic + Translinolen ic isomers
- K_{232}
- Aliphatic alcohols
- Delta-K
- Waxes
- Sterols

1. Identification of negative results on site in the framework of official Food Inspection.

Characterization of olive oil.

Technological demand

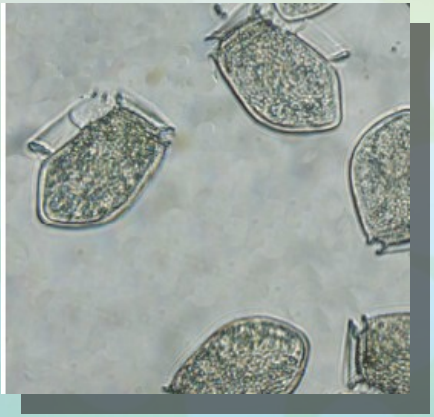
- Having a portable equipment that will allow to obtain the **physico-chemical values of oil**, in particular, the following determinations listed in Annex I of Commission Regulation 2568/91 on the characteristics of olive oil and olive-residue oil and on the relevant methods of analysis.
- Test results in less than 1 hour.
- Maximum weight 3 kg.
- The cost of carrying out analysis is reduced by 85%.
- Issuing of an analysis bulletin.
- Connection to a computer system which compiles data.

2. Identification of negative results on site in the framework of official Food Inspection.

Detection of biotoxins in bivalves molluscs.

¿What are marine biotoxins? Some microscopic planktonic algae living in the oceans are critical for those bivalve molluscs which are filter feeders (oysters, mussels, scallops, clams)

Paralytic shellfish poison (PSP)



Diarrhetic shellfish poisoning

Amnesic shellfish poison (ASP)

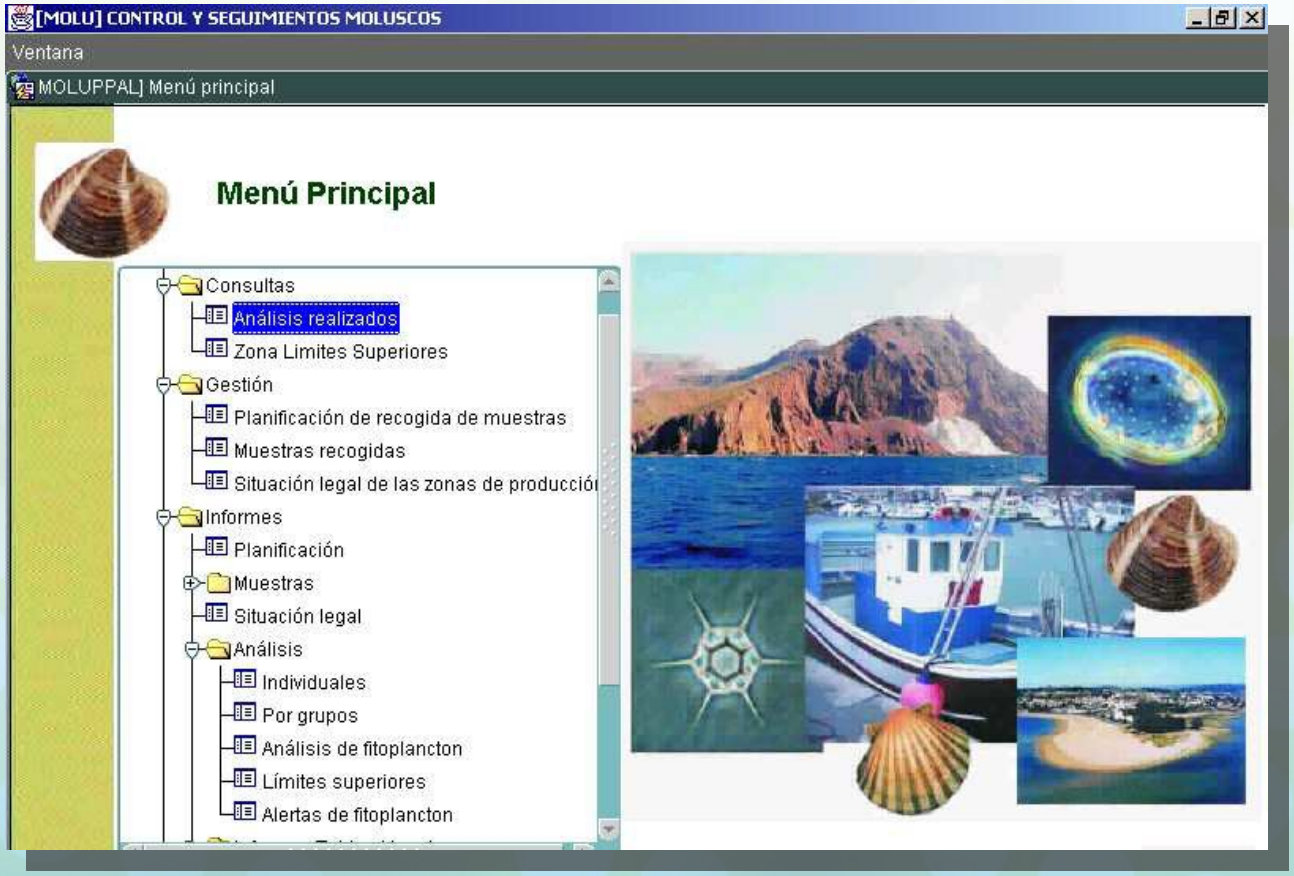
Toxic phytoplankton species that produce the accumulation of toxins in molluscs.

2. Identification of negative results on site in the framework of official Food Inspection.

Detection of biotoxins in bivalves molluscs.

2. Identification of negative results on site in the framework of official Food Inspection.

Detection of biotoxins in bivalves molluscs.



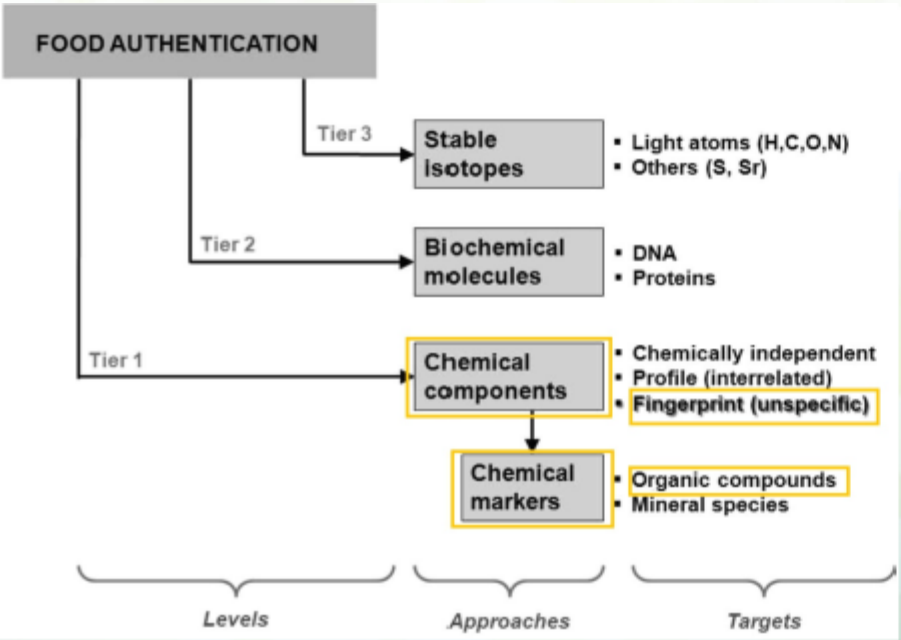
2. Identification of negative results on site in the framework of official Food Inspection.

Detection of biotoxins in bivalves molluscs.

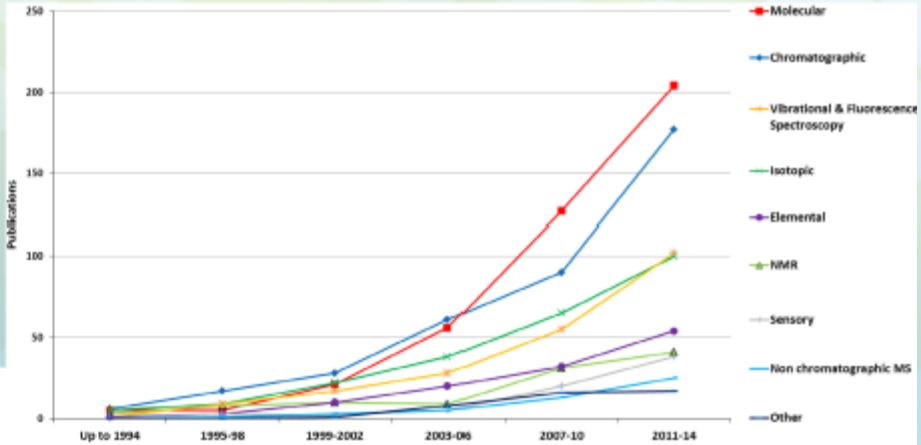
Technological demand

- Having portable equipment to obtain the values on the content of marine biotoxins that will guarantee the detection of values in accordance with the parameters set out in Annex III, Section VII, Chapter V, sub-section 2, paragraphs c), d) and e) of REGULATION (EC) No 853/2004 of the European Parliament and of the Council of 29 April 2004 laying down specific hygiene rules for food of animal origin.
- Test results in less than 1 hour.
- Reduction of costs by 85%.
- Issuing of an analysis bulletin.
- Connection to a computer system which compiles data.
- Portable kit or equipment.
- Maximum weight.3 kg.

3. Comprehensive and versatile analytical tool for food authentication.



Approaches for foof authentication. **Chromatographic fingerprinting: An innocative approach for food "identitation" and food authentication-A tutorial. Analytica Chirrica Acta 909 (2016) 9-23.**



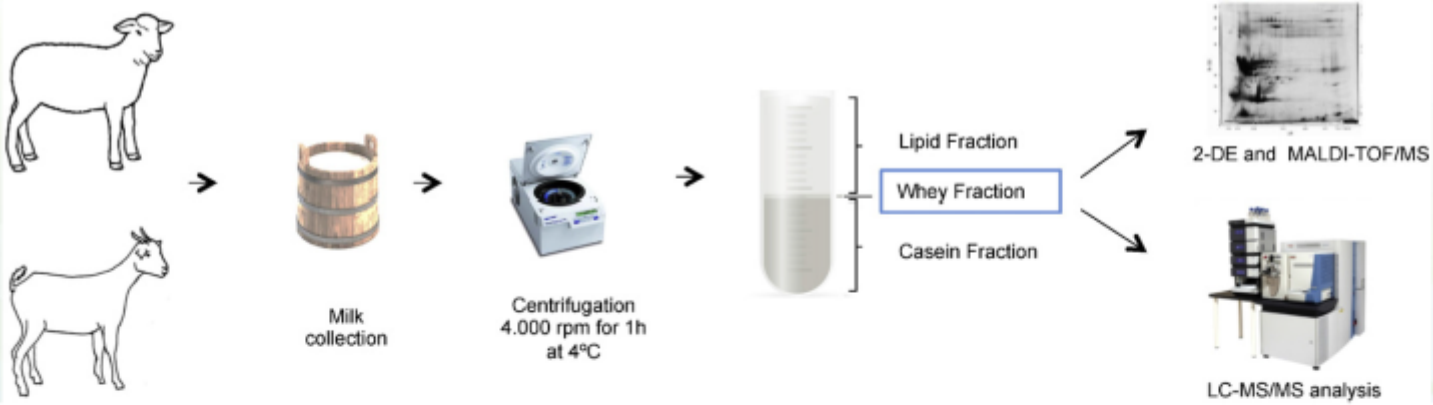
Food authentication: Tecniques, trends and emerging approaches. **Trends in Analytical Chemistry 85. March 2016.**

3. Comprehensive and versatile analytical tool for food authentication.

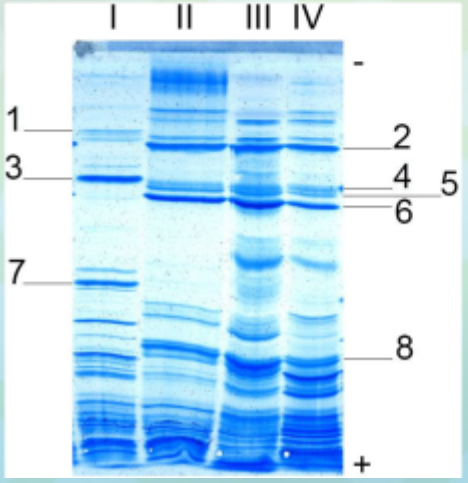
Technological demand

- Adapting the analytical techniques and tools used in the field of research for the identification of differentiated markers in food and its authenticity, to routine activities of official control laboratories.
- Characterization of meat and fish products through the identification of species.
- Concerning fish products, possibility of characterizing the species native to the Spanish coast.
- Possibility of characterizing thermally processed meat products.
- Connected to a computer system which compiles data.
- Issuing of a test bulletin.

4. Rapid identification of milk and dairy products adulteration.



Flowchart of the strategy followed for analysis of ovian and caprine milk. Folllowing sample preparatión themilkwhey or the casein fractión of proteome should be analyzed by both nLC-Ms/MS and 2D electrophoresis coupled to MALDI-TOF-MS. **Milk of Greek sheep and goat breeds; characterization by means of proteomics. Journal of Proteomics 147 (2016), 76-84.**



Official EU Method. Isoelectrofocusing (IEF) profile of plasminolysate samples from Bovine CN (lane I), Water Buffala Mozzarella cheese (lane II), purified WB b-CN (lane III), and WB CN (lane IV). **Eventual limits of current EU official method for evaluating milk adulteration of water buffalo dairy products and potencial proteomic solutions. Food Chemistry 230 (2017) 482-490.**

4. Rapid identification of milk and dairy products adulteration.

Demanda tecnológica

- Value of the parameters according to those established in the Commission Regulation 2568/91.
- Test results in less than 4 hours.
- Issuing of an analysis bulletin
- Connection to a computer system which compiles data.

5.Improvement of the analyses developed to **Andalusian cotton fibres.**

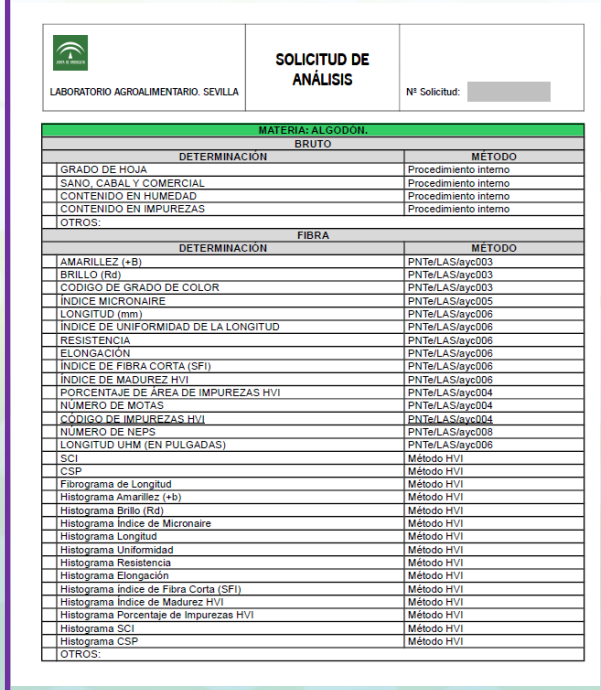
Generator of jobs in rural areas

DIFFERENTIATION OF THE QUALITY OF OUR COTTON FIBRE

5. Improvement of the analyses developed to **Andalusian cotton fibres.**

Technological demand

- Adapting the software so as to enable to calibrate a fibrograph with other different patterns of AMS/USDA with a wider range concerning length and resistance parameters, the module of trashmeter for number of motes and neptester for neps.
- Modifying the Code-HVI Grade interpretation program to adapt it to the particular colour characteristics of our cotton.
- Capacity to calibrate elongation and short fibre index.
- Robotic system along with the HVI equipment, taking and identifying the sample, that will activate the HVI to make the analysis and discard the excess, in order to have the computer carrying out analyses 24 hours a day.



LABORATORIO AGROALIMENTARIO. SEVILLA	SOLICITUD DE ANÁLISIS	Nº Solicitud:

MATERIA: ALGODÓN.	
BRUTO	
DETERMINACIÓN	MÉTODO
GRADO DE HOJA	Procedimiento interno
SANO, CABAL Y COMERCIAL	Procedimiento interno
CONTENIDO EN HUMEDAD	Procedimiento interno
CONTENIDO EN IMPUREZAS	Procedimiento interno
OTROS:	
FIBRA	
DETERMINACIÓN	MÉTODO
AMARILLEZ (+B)	PNTe/LAS/ayc003
BRILLO (Rd)	PNTe/LAS/ayc003
CODIGO DE GRADO DE COLOR	PNTe/LAS/ayc003
ÍNDICE MICRONAIRE	PNTe/LAS/ayc005
LONGITUD (mm)	PNTe/LAS/ayc006
ÍNDICE DE UNIFORMIDAD DE LA LONGITUD	PNTe/LAS/ayc006
RESISTENCIA	PNTe/LAS/ayc006
ELONGACIÓN	PNTe/LAS/ayc006
ÍNDICE DE FIBRA CORTA (SFI)	PNTe/LAS/ayc006
ÍNDICE DE MADUREZ HVI	PNTe/LAS/ayc006
PORCENTAJE DE ÁREA DE IMPUREZAS HVI	PNTe/LAS/ayc004
NÚMERO DE MOTAS	PNTe/LAS/ayc004
CÓDIGO DE IMPUREZAS HVI	PNTe/LAS/ayc004
NÚMERO DE NEPS	PNTe/LAS/ayc008
LONGITUD UHM (EN PULGADAS)	PNTe/LAS/ayc006
SCI	Método HVI
CSP	Método HVI
Fibrograma de Longitud	Método HVI
Histograma Amarillez (+b)	Método HVI
Histograma Brillo (Rd)	Método HVI
Histograma Índice de Micronaire	Método HVI
Histograma Longitud	Método HVI
Histograma Uniformidad	Método HVI
Histograma Resistencia	Método HVI
Histograma Elongación	Método HVI
Histograma índice de Fibra Corta (SFI)	Método HVI
Histograma Índice de Madurez HVI	Método HVI
Histograma Porcentaje de Impurezas HVI	Método HVI
Histograma SCI	Método HVI
Histograma CSP	Método HVI
OTROS:	

TERM OF THE PRELIMINARY CONSULTATION TO THE MARKET

From 26 septembre to 26 noviembre, 2018

REQUEST FOR PARTICIPATION AND DOUBTS

scia.cpi.agapa@juntadeandalucia.es

DOCUMENTATION OF PCM

http://www.juntadeandalucia.es/agenciaagrariaypesquera/portal/web/principal/compra-publica-de-innovacion

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Preliminary Market Consultation

Thank you for your attention

Contact:scia.cpi.agapa@juntadeandalucia.es

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