

#innovacion
#financiacion
#asesoramiento
#internacionalizacion



SECRETARÍA DE ESTADO
DE INVESTIGACIÓN,
DESARROLLO
E INNOVACIÓN



Centro para el
Desarrollo
Tecnológico
Industrial

@CDTIoficial



PRIMA: Partnership for Research and Innovation in the Mediterranean Area



María José Tomás
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www.cdti.es
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PRIMA

PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA



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@prima4med



Partnership for **R**esearch and **I**nnovation in the
Mediterranean **A**rea



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E INNOVACIÓN



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Retos comunes del área mediterránea

Cambio Climático

Crecimiento de la población y seguridad alimentaria

Escasez de agua y sobreexplotación de recursos naturales

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¿Cómo hacer frente los restos comunes del área mediterránea?

Programa conjunto

I + D + i

En la región del Mediterráneo

Contribuir a:

- los objetivos de desarrollo sostenible
- la futura Estrategia Europea de Desarrollo Sostenible,
- los objetivos del Acuerdo de París.



3 áreas temáticas



MANAGEMENT OF WATER

Integrated and sustainable management of water for arid and semi-arid Mediterranean areas



FARMING SYSTEMS

Sustainable farming systems under Mediterranean environmental constraints



AGRO-FOOD VALUE CHAIN

Sustainable Mediterranean agro-food value chain for regional and local development

Impactos esperados

Impacto Económico



- Incremento de la producción y eficiencia
- Acceso a nuevos mercados
- Mayores opciones de financiación (programa InnovFin); Impactos económicos globales a gran escala.

Impacto Social



- Estabilidad política y reducir las migración.

Impacto Medioambiental



- Conservación biodiversidad
- Sostenibilidad agricultura.

Artículo 185



European Commission

#PRIMA_EU
#OpenToTheWorld

PRIMA is recognisably the greatest achievement to date in Euro-Med cooperation in research and innovation. It will seek to ensure that two of people's most basic needs are met: access to clean water and nutritious food.

Commissioner for Science, Research and Innovation
Carlos Moedas

PRIMA Partnership for Research and Innovation in the Mediterranean Area

<http://www.prima4med.org/2017/11/08/prima-info-and-networking-event-8-november-2017/>

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Convocatorias 2018



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DESARROLLO
E INNOVACIÓN

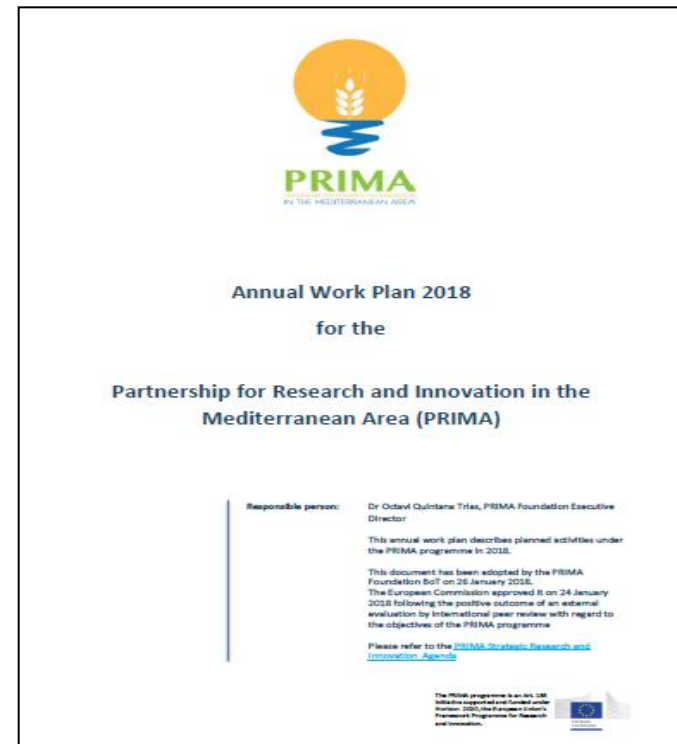


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PRIMA: Programa Trabajo 2018

Basado en:

- Decision (EU) 2017/1324
- **Agenda Estratégica de Investigación de PRIMA(SRIA)**
- **Proyectos relevantes de I+D+i en el mediterráneo (como ERANETMED and ARIMNET)**
- **Alineado con con los Objetivos de Desarrollo Sostenible (SDG) de Naciones Unidas 2030**



Mínimo 3 países:

- **al menos 1 país UE**
- **y 1 ribera mediterránea**



19 países

11 países UE: Chipre, Croacia, Francia, Alemania, Grecia, Italia, Luxemburgo, Malta, Portugal, Eslovenia y España

8 países no UE: Algeria, Egipto, Jordania, Israel, Líbano, Marruecos, Túnez, Turquía

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PRIMA: Convocatorias 2018

Sección 1

Acciones de Investigación e Innovación (RIA) y Acciones de Innovación (IA) según la definición de Horizonte 2020. Serán gestionadas y financiadas por la Fundación PRIMA

Financiación:

Fundación PRIMA (tipo H2020)

Presentación en 2 fases:

Fase 1: cierra 17/04/2018

Fase 2: cierra 15/09/2018

Presupuesto: 18,3 M€

Sección 2

Actividades de Investigación e Innovación (RIA). Convocatoria organizada y gestionada por PRIMA y financiada con fondos nacionales de las agencias financiadoras participantes en PRIMA

Financiación España:

CDTI

AEI-MINECO

Presentación en 2 fases:

Fase 1: cierra 27/03/2018

Fase 2: cierra 4 /09/2018

Presupuesto total: 30M€

España: CDTI 1M€, AEI-MINECO: 2 M€

3 Áreas Temáticas



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Convocatorias 2018: Sección 1

PRIMA: Convocatorias 2018

Sección 1

Acciones de Investigación e Innovación (IA) según la definición de la Unión Europea, gestionadas y financiadas por el CDTI

Financiación:

Fundación PRIMA (tipo 1)

Presentación en 2 fases:

Fase 1: cierre 15/01/2018

Fase 2: cierre 15/02/2018

Presupuesto: 18,3 M€



Topic 1

Water reuse and water desalination for agricultural and food production



Topic 2

Improving the sustainability of Mediterranean agro-ecosystems



Topic 3

Implementing innovation in Mediterranean Agri-food chains by smallholders and SMEs

IA



Challenge:

... provide end-users with new more economically feasible water treatment technologies, taking into account the main environmental, socio-economic and legal and/or institutional constraints...

Scope:

...Mediterranean barriers to water reuse: safety risks, treatment costs, public acceptance.

Salinity levels, energy-efficient desalination treatments.

Innovative technologies.

Irrigation, soil degradation, nutrient leaching, ...

Multiactor approach, SMEs,...

Expected impact (

Increasing the quantity, quality and safety of non-conventional water use for agriculture and food processing

Increasing efficiency of water management systems, decrease costs, ...

Type of action: RIA. (6,1M€, up to 3 projects will be funded of 2,033M€)

TRL: 3 to 5

Topic 1

Water reuse and water desalination for agricultural and food production



Challenge

...develop Mediterranean innovative cropping and livestock systems including inland aquaculture, able to cope with limited resources and environmental constrains while enhancing food production stability ...

Scope:

..thematic areas: better linkage between livestock and crop production; a range of different systems should be included (e.g. organic farming, agroecology, agroforestry, ...), their resilience to climate change; valorizing existing biodiversity through sustainable use of underexploited and new species, breeds or varieties of interest in farming systems; ...

Multi-actor approach.

Expected impacts:

Development of low-input systems, diversified agro-ecosystems, ...

Type of action: RIA (6,1M€, up to 3 projects will be funded of 2,033M€)

TRL: 3-5

Topic 2 Improving the sustainability of Mediterranean agro-ecosystems



Challenge

Horizontal and vertical **fragmentation of the Mediterranean value chains** ... are the biggest obstacle to the adoption of technological and organizational innovation

Scope:

... address **food production and distribution** in a changing social, economic and environmental scenarios. Activities should focus on chosen Mediterranean food product(s) and be in line with sustainability principles ...

Demonstration activitiesinvolvement of food processing companies, retailers, civil society organizations and consumer associations, ...

Expected impact:

should be clearly described in qualitative and quantitative terms (e.g. on new job opportunities, financial turnover, employment figures, market seize, IP management, increased sales, return on investment and profit

Type of action: IA. (6,1M€, up to 3 projects will be funded of 2,033M€)

TRL: 5-8

Topic 3 Implementing innovation in Mediterranean Agri- food chains by smallholders and SMEs.





SECTION 1

Call calendar 2018

Submission on-line:
www.prima-med.org
(under construction)

january



Preannouncement
15/01/2018

**Opening
08/02/2018**

Indicative deadline
for applications -
2° Stage
15/09/2018

**Deadline 2nd Stage
15/09/2018**

february



Opening of the
submission website
1° Stage
08/02/2018

march

sept

april



Indicative deadline
for applications -
1° Stage
17/04/2018

**Deadline 1st Stage
17/04/2018**

may



Evaluation results
are planned to be
available on or
before these dates
1° Stage
15/06/2018

november



Evaluation results
are planned to be
available on or
before these dates
2° Stage
05/12/2018

june



Opening of the
submission website
2° Stage
15/08/2018

december

Evaluación

Sección 1

Fase 1 (Puntuación: 8-8,5 /10)

Instrumento: RIA , IA

Evaluación de:

«Excellence» » (mínimo 4/5 pts.)

«Impact» » (mínimo 4/5 pts.)

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Convocatorias 2018: Sección 2

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PRIMA: Convocatorias 2018

Sección 1

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Sección 2

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Financiación España:

CDTI

AEI-MINECO

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Fase 2: cierra 4 /09/2018

Presupuesto total: 30M€

España: CDTI 1M€, AEI-MINECO: 2 M€

3 Áreas Temáticas



Sección 2

Call documents and templates

PRIMA Annual Work Plan 2018 (AWP 2018)	Download
Guidelines for Applicants - Section 2 2018	Download
National Regulations	Download
Electronic Submission Site Handbook	Download
Proposal template Stage 1 (Scientific Document)	Download
PRIMA Call text and supporting information - Call Section 2 Multi - topic 2018	Download

More information

<http://prima-med.org/call-for-proposal/call-section-2-multi-topic-2018/>

For questions related to this call for proposals, please contact:

- Marco Orlando at marco.orlando@prima-med.org or +34 93 401 08 40 for *Thematic Area 1: Management of Water*;
- Fabrice Dentressangle at fabrice.dentressangle@prima-med.org or +34 93 401 18 41 for *Thematic Area 2: Farming Systems*;
- Anabel de la Peña at anabel.delapena@prima-med.org or +34 93 401 08 81 for *Thematic Area 3: Agro-Food Value Chain*.

PRIMA: Convocatorias 2018

Sección 2

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CDTI
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Fase 2: cierra 4 /09/2018

Presupuesto total: 30M€


España: CDTI 1M€, AEI-MINECO: 2 M€

THEMATIC AREA	CALL TOPIC
	<ul style="list-style-type: none">1.1 Water resources availability and quality within catchments and aquifers;1.2 Sustainable, integrated water management;1.3 Irrigation technologies and practice.
	<ul style="list-style-type: none">2.1 Adaptation of agriculture to climate change;2.2 Preventing emergence of animal and plant pests and diseases;2.3 Farming Systems able to create employment and territorial development.
	<ul style="list-style-type: none">3.1 Valorising food products from traditional Mediterranean diet;3.2 Food safety and quality in local food chains;3.3 Health effects of the dietary shifts and promotion of healthy and sustainable diets for the Med populations.



Sección 2

Thematic area 1: Sustainable water management for arid and semi-arid Mediterranean area

THEMATIC AREA	CALL TOPIC
	<ul style="list-style-type: none">1.1 Water resources availability and quality within catchments and aquifers;1.2 Sustainable, integrated water management;1.3 Irrigation technologies and practice.



Challenge:

Water management models that addresses the broad impacts of global changes on hydrological and hydraulic balance at catchment and aquifer level. ..

Scope:

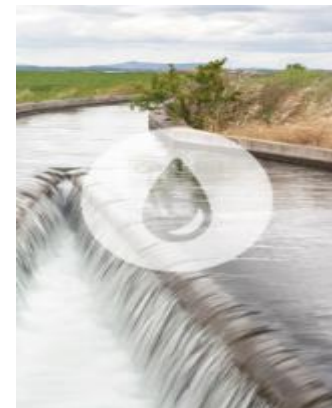
...Quantitative analyses on ecosystem services require an in-depth understanding of their underlying processes. There is a need to understand the hydrological processes for the assessment, management and use of floodwaters..

Expected impact

- Development of new modelling routines for determining the basic components of the water cycle, including economic, social and technical and for forecasting droughts
- Improvement of knowledge about pollution sources and processes naturally attenuating in order to better assess water management policies and the impact of anthropogenic activities.
- New techniques and governance models for artificial recharge of aquifers Ground-water surface-water monitoring and modelling
- A reduction in the risk of saline intrusion and improved management of salt accumulation in underground water bodies

Type of action: RIA

**TOPIC 1.1 WATER RESOURCES
AVAILABILITY AND QUALITY
WITHIN CATCHMENTS AND
AQUIFERS**



Challenge:

Recognizing the water-energy-food synergies and balancing the potential trade-offs between water and energy use efficiency is required

Scope:

...Improve water governance taking into consideration both the socio-economic context and the meteo-climatic trends of the Mediterranean basin,..

Expected impact

Improving evapotranspiration determinations by surface energy balance, in order to better assess the water and energy budgets, particularly in dry water basins.

- ☑ Implementation of monitoring and forecasting systems to support the water management under scarce conditions, taking into account any anthropogenic effect on the integrated water cycle;
- ☑ Development of innovative approaches for the proper management of water infrastructures, including small and multi-purpose reservoirs and water harvesting systems

Type of action: RIA

TRL: 3 to 6

**TOPIC 1.2: SUSTAINABLE
INTEGRATED WATER
MANAGEMENT**



Challenge:

improve irrigation water productivity while minimizing the potential environmental risks associated with irrigation. ..

Scope:

...More research and technology transfer is needed to improve water use efficiency at the farm and irrigation district level.,,

Expected impact

Improving on-farm water use efficiency while maintaining crop productivity, quality and safety, and soil fertility

- ☑ Upscaling the on-farm water use efficiency gain to the irrigation district level
- ☑ To demonstrate irrigation scheduling models and tools to be developed in collaboration with private companies, mainly SMEs.
- ☑ To determine irrigation protocols tailored to low-quality water availability and, particularly, high salinity water, and to new climate-proof crops with reduced water requirements
- ☑ To reduce contamination of aquifers, mainly by nitrates, thanks to the improved fertigation scheduling protocols


Type of action: RIA

TOPIC 1.3: IRRIGATION TECHNOLOGIES AND PRACTICES



Sección 2

Thematic area 2: Sustainable farming systems under Mediterranean environmental constraints



- 2.1 Adaptation of agriculture to climate change;
- 2.2 Preventing emergence of animal and plant pests and diseases;
- ~~2.3 Farming Systems able to create employment and territorial development.~~



Challenge

.....Adapting to climate change is therefore a common necessity for Mediterranean agriculture.

Scope:

.. Focus should be on biological adaptation mechanisms and genotype-environment-management interactions, as well as on valorising local genotypes taking advantage of spontaneous and domesticated biodiversity in the Mediterranean agricultural and animal husbandry systems,,

Expected impacts:

Development and profiling of new varieties / hybrids /breeds that are tolerant/resistant/resilient to biotic and abiotic stresses, productive in Mediterranean climate conditions (aridity, drought, warm winters, uneven rainfalls and salinity) and efficient in the use of limiting resources (water/soil fertility) taking into account the needs of the users and the legislative constrains.

☑ Valorisation of the local biodiversity that has naturally adapted and show resilience to environmental constraints in the Mediterranean conditions and that may sustain agriculture in stressful environments exacerbated by climate warming. In particular exploitation of neglected spontaneous and domesticated biodiversity in Mediterranean agricultural and animal husbandry systems, and aquaculture.

TOPIC

Type of action: RIA TRL: 2 to 5

TOPIC 2.1: ADAPTATION OF AGRICULTURE TO CLIMATE CHANGE



Challenge

.....Plant and animal diseases and pests cause significant decreases in yield, quality and safety of Mediterranean crops, in particular fruit, cereal and vegetables and of animal productions, with strong economic and social consequences. ..

Scope:

.. Need for a better understanding of the ecology and physiology of pests and pathogens, and the interactions between hosts, pests and pathogens, and other organisms at multiple trophic levels.

*Social sciences, stakeholders of the human and animal health sectors, Euro-Mediterranean network for animal health (REMESA)..

Expected impacts:

Control of the effects of climate change and the associated risks for plant and animal health (including existing and emerging diseases, and adaptation of livestock systems);

☑ Provision of integrated pest and diseases control/management solutions, for plants and animal systems;

☑ Implementation of novel tools including the development of biocontrol agents, exploitation of natural defences, secondary metabolites and trophic interactions, development of vaccines, immunity and diagnosis tools, innovative therapeutics, development of biosystems that avoid the rapid surge of resistance of pests/pathogens to control agents;

☑ Research and disease surveillance networks in tight link with existing official networks such as the Euro-Mediterranean network for animal health (REMESA)

TOPIC 2.2: PREVENTING and CONTROLLING EMERGENCE OF ANIMAL AND PLANT DISEASES



Sección 2

Thematic area 3: Mediterranean Food Value Chain for regional and local development



- 3.1** Valorising food products from traditional Mediterranean diet;
- 3.2** Food safety and quality in local food chains;
- 3.3** Health effects of the dietary shifts and promotion of healthy and sustainable diets for the Med populations.



Challenge

Better nutritional quality of food products, stable nutrient-dense ingredients, and new products

Scope:

Research actions should encompass the implementation of databases, covering different Mediterranean areas, focused on the content of health-promoting bioactive compounds in fresh and traditional food products, also in relation with the culinary traditions...

Expected impact:

The development of new products, bioactive extracts and molecules, and functional food, nutrients and bioactive compounds linked to local traditional protocols and recipes and according to seasonal and sustainable production schemes

☑ The proposition of local processing solutions, better addressing the quality management, deriving from sustainable traditional recipes while preserving the nutritional value of food

☑ The development of new tools to demonstrate quality and authenticity of raw materials and products;

Type of action: RIA

TRL: 2 to 7

TOPIC 3.1: VALORISING FOOD PRODUCTS FROM TRADITIONAL MEDITERRANEAN DIET .



Challenge

Food safety is today closely linked to innovation and sustainability in production systems, and investing in safety means reducing the risks of a sudden loss of trust for accidental events.

Scope:

guarantee food safety in the Mediterranean environment while preserving the cultural heritage, along the entire food chain.

hazards prediction and risk assessment related to new technologies, chemical and microbial food contamination..

Expected impact:

Facilitate the development of new norms and standard for hazards prediction and risk assessment,

- ☑ Suitable procedures for qualifying and classifying production sites and zoning
- ☑ New systems and devices for food-safety monitoring along the entire food chain and best practices for all the food value chain phases, including post-sales;
- ☑ Develop and validate bio-based protection practices, to select and characterise the natural extracts and species with protective characteristics for food production, quality and storage;
- ☑ Develop innovative packaging for better controlling product deterioration, reducing the use of preservatives, the microbiological risk and/or extending the shelf-life, and reducing food waste and losses;
- ☑ Increase the awareness of the consumers

Type of action: RIA **TRL:** 2 to 6

Sección 2

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TOPIC.3.2: FOOD SAFETY IN LOCAL FOOD CHAINS



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Challenge

The emergence of diet- and lifestyle-related chronic diseases is massive in the Southern and Eastern Mediterranean..

Scope:

Strengthening of the link between the Mediterranean diet and health benefits through the identification of evident positive effects exerted by different active substances contained in local products..

Expected impact:

Provision of affordable and adequate dietary patterns for Mediterranean population groups with specific nutritional requirements;
□ translation of knowledge advancements on the Mediterranean diet into public food and health policies, strategies and guidelines for consumers, industry and for policy makers;
Characterize the economic, social, and health impacts of nutritional transitions, determinants of consumers' behaviours, physical activity, diets of populations and households.

Type of action: RIA **TRL:** 2 to 6

TOPIC 3.3: IMPLICATIONS OF DIETARY SHIFTS AND SUSTAINABLE DIETS FOR THE MED POPULATIONS AND FOOD INDUSTRY



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Convocatorias 2018: Sección 2

Financiación



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Financiación Sección 2

- ✓ **Financiación descentralizada**
- ✓ **Cada país financia a sus participantes**
- ✓ **En España:**

AEI-MINECO **SUBVENCIÓN**

Financiación Universidades, OPIs, Centros Investigación, Organizaciones privadas de I+D sin ánimo de lucro

CDTI

Préstamo Bonificado

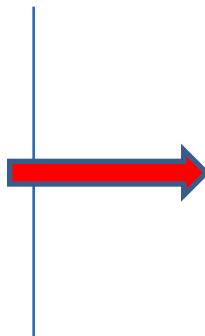
Financiación Empresas (Universidades, OPIS, Centros I+D) como subcontratados)



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Financiación Empresas
(Universidades, OPIS, Centros I+D) como
subcontratados)

Préstamo Bonificado



Financiación Sección 2

Actividades I+D Tecnológico

Presupuesto mínimo por entidad 175.000 €

Préstamo hasta 75%

TNR hasta el 33% del préstamo concedido

Interés Euribor*

Devolución en 10 años (carencia 2-3 años)

Informes desgravaciones fiscales



AEI-MINECO

Financiación a entidades de investigación sin ánimo de lucro según la convocatoria de APCIN o equivalente

Subvención



Financiación Sección 2

Gastos de personal para contratos temporales (becas no elegibles).

Costes corrientes, compra de pequeño equipamiento científico, consumibles, gastos de viaje y otros gastos necesarios para realizar las actividades propuestas

Máx. por propuesta y entidad 200.000€
(+50.000€ si es coordinador)

2 entidades españolas en la misma propuesta
(máx.. 250.000€ + 50.000€ si coordina)

http://www.idi.mineco.gob.es/stfls/MICINN/Internacional/FICHEROS/Instrumentos_ERA/Normas_Nacionales_PRIMA_Seccion2_2018.pdf



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E INNOVACIÓN





SECTION 2

Call calendar 2018

Submission on-line:
www.prima-med.org
(under construction)

january



Preannouncement
15/01/2018

february



Opening of the
submission website
1° Stage
08/02/2018

march

april



Indicative deadline
for applications -
1° Stage
27/03/2018

may



Evaluation results
are planned to be
available on or
before these dates
1° Stage
06/06/2018

june



Opening of the
submission website
2° Stage
04/08/2018

**Opening
08/02/2018**

**Deadline 1st Stage
27/03/2018**

november



Evaluation results
are planned to be
available on or
before these dates
2° Stage
05/12/2018

december

**Deadline 2nd Stage
04/09/2018**

Indicative deadline
for applications -
2° Stage
04/09/2018

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Convocatorias 2018: Sección 2

Procesos Presentación



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E INNOVACIÓN



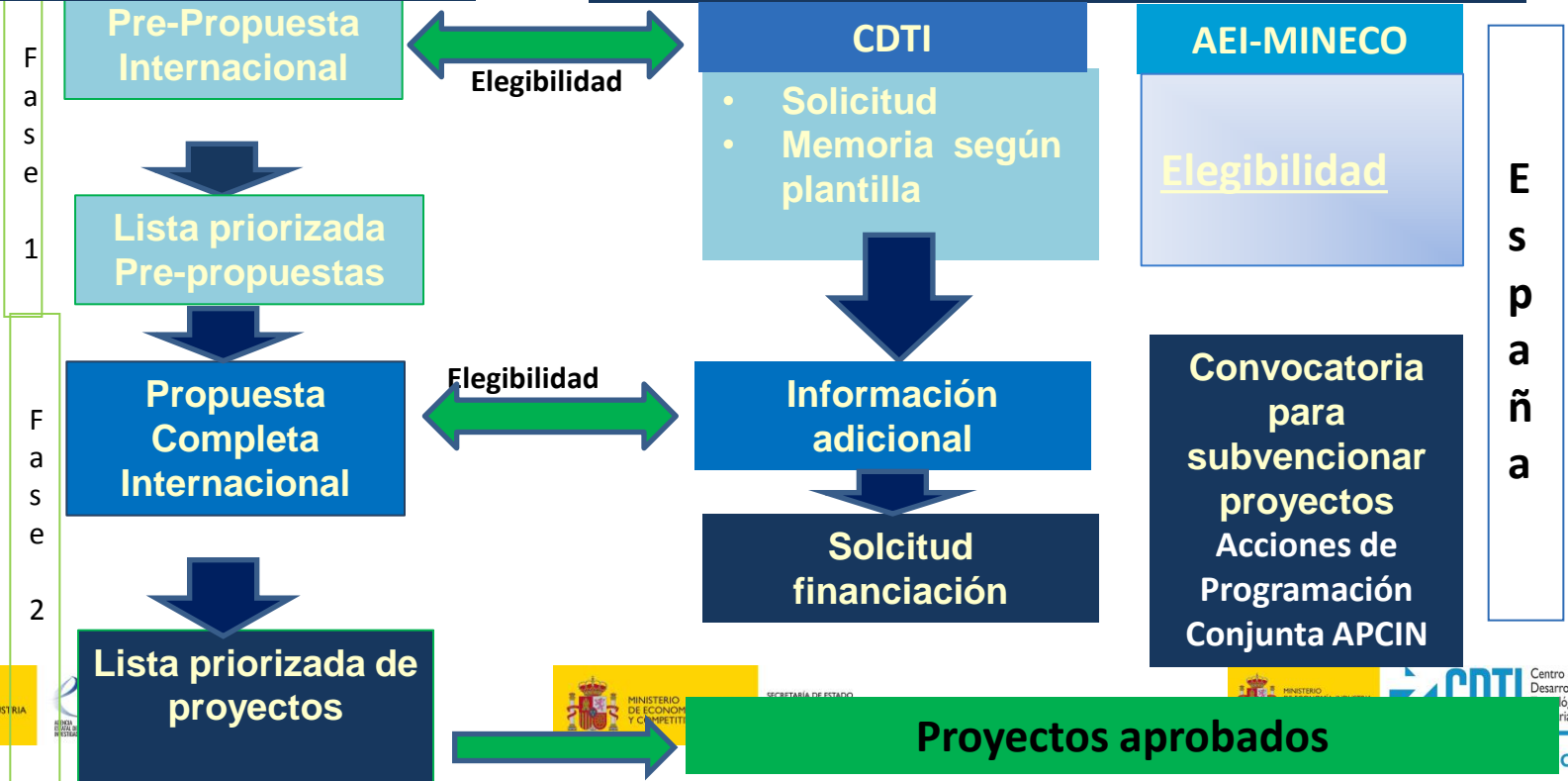
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Sección 2

Procedimiento solicitud

Solicitud Internacional

Solicitud de financiación en cada país



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Convocatorias 2018: Sección 2

Evaluación



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Evaluación

Sección 2

Fase 1 (Puntuación: 7-7,5 /10)

Instrumento: RIA

Evaluación de:

«Excellence» (mínimo 3,5/5 ptos.)

«Impact» (mínimo 3,5 /5ptos.)

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Búsqueda de socios

<http://prima-med.org/find-partners/>

Red Exterior de CDTI

EEN

Plataformas Tecnológicas

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¿Es posible mi proyecto?

**CDTI-Centro Desarrollo Tecnológico Industrial
E.P.E.-MINECO**

Sección 1

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Sección 2

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**Ministerio de Economía, Industria y
Competitividad (MINECO) – Agencia Estatal
de Investigación (AEI)**

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SECRETARÍA DE ESTADO
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E INNOVACIÓN



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+info sobre programas y ayudas CDTI
para
proyectos de I+D empresarial e innovación



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