

SUSTAINABLE ENERGY WEEK

13-17 June 2016

**Smart
Specialisation in
Energy:**
how European regions
are implementing their
priorities



The diagram features four main circular icons connected by colored lines. An orange circle with a network icon is connected to a green circle with a map icon. A green line connects the green circle to a yellow circle with a trophy icon. A yellow line connects the yellow circle to a pink circle with three people icons. A pink line connects the pink circle back to the orange circle. A horizontal orange line also connects the orange and yellow circles. The text 'BUILDING THE ENERGY UNION TOGETHER' is positioned below the orange circle.

BUILDING THE ENERGY UNION TOGETHER



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ENERGY WEEK**

An initiative
of the



European
Commission

POLICY CONFERENCE



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ENERGY WEEK**

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What is ALINNE?



The Spanish Alliance for Energy Research and Innovation (ALINNE) was born as a **policy instrument**, in line with the Spanish Strategy for Science and Technology. It is configured as a **wide public-private national forum** (researchers, industry and administration) with the challenge of joining and co-ordinating efforts among all the actors of the R+D+I system in energy, in order to face the main challenges of the energy sector policies and to contribute to the definition of national guidelines and the related European alignment.

It has an Executive Committee and three delegated Committees

- Strategy Committee
- Coordination Committee
- Internationalization Committee



ALINNE's Executive Committee



CRUE



endesa

gasNatural
fenosa



GPtech



RED
ELÉCTRICA
DE ESPAÑA



REPSOL



Universidad
Zaragoza



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Ciemat
Centro de Investigaciones
Energéticas, Medioambientales
y Tecnológicas



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Y TURISMO



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y Ahorro de la Energía



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Our mission



- **Improved assignment of public and private resources** dedicated to the energy technologies R&D following scientific excellence criteria, **generating a critical mass.**
- Accelerating the **development and consolidation of new technologies.**
- Promoting **effective and stable collaboration** links between the private and the public sectors based on a common agenda.
- Identifying the **future segments for basic research** and the **potential market niches** for technological development.
- Favouring the **coordination and participation in international initiatives**, especially at the European level, such as the Framework Programme, European Industrial Initiatives (EII), Joint Technological Initiatives (JTI), European Technological Platform (ETP) and Knowledge and Innovation Communities (KIC).
- Stimulating and coordinating the **Spanish participation in the European Energy Research Alliance (EERA)**, an essential tool for kicking off the Strategic Energy Technology Plan (SET-Plan).



Some results



ALINNE has completed an exercise to identify the most convenient lines of development of energy technologies in Spain, both from the supply as well as the demand side.

The report “Analysis of the Development Potential of Energy Technologies in Spain” has been delivered.

- In this first exercise it has been taken into account the main advantages and disadvantages of each technology nowadays and in the future, with the objective to guide the best policies for each of them.
- This exercise will be **updated** every two-three years bearing in mind the fast evolution and development of all energy technologies.
- In constant improvement and in permanent dialogue with the main actors and stakeholders (**Priority Technology Initiatives**)

<http://www.alinne.es/documents/17669/304999/Analisis+Potencial+Desarrollo+Tecnolog%C3%ADas+Energ%C3%A9ticas+en+Espa%C3%B1a.pdf/5251f7da-acec-4a33-8844-d29555e4b677>



Analysis of the Development Potential of Energy Technologies in Spain



CO2 CCUS Summary sheet

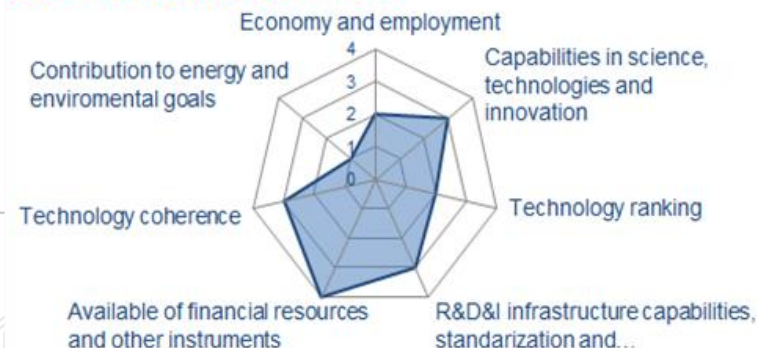
LEGEND

Very good	4
Good, with some points requiring attention	3
Could be improved	2
Unfavorable, with some outstanding points	1
Unfavorable, insufficient information / unavailable	0

EXECUTIVE SUMMARY

1. The role of ALINNE
2. Why the exercise in "Analysis of the Development Potential of Energy Technologies in Spain"?
3. Methodology, criteria and goals
 - 3.1 Analytical instruments
 - 3.2 Criteria and goals
 - 3.3 Description of the criteria application process and search for goals
4. Technologies analyzed
5. Comparative evaluation of the technologies
6. Specific analysis of each of the Energy Technologies and summary of their potential for development
7. Conclusions and recommendations
 - 7.1 General recommendations
 - 7.2 Summary of the analysis of each technology
 - 7.3 Summary of specific recommendations

CAPABILITIES AND POTENTIAL



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Next challenge



Preparation of the document “Study of all regional proposals of Smart Specialization Strategies (RIS 3) in the energy area” (in process)

Thorough review of RIS 3 documents, issued by the regional Authorities, to establish an **analysis of priorities in energy** and a thematic alignment among these documents and Horizon 2020 in three of the societal challenges especially related with the energy area: Secure, clean and efficient Energy; Smart, sustainable and integrated transport and Climate action, environment, resource efficiency and raw materials.

Actions:

- Working document containing a revision of all the RIS 3 strategies published by the Regional Authorities (already accomplished!)
- Presenting a Coordination Action Plan Proposal to ALINNE’s Executive Committee involving the Regional Authorities
- Organizing an event to disseminate this study.



First step

GOBIERNO DE ESPAÑA		MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD						Seguridad y calidad alimentaria; salud agraria; ductiva y sostenible /.../				Energía sostenible
HORIZON 2020 WP 2014-2015	PHC1-3	PHC4-9	PHC10-12	PHC13-18	PHC19-22	PHC23-29	PHC30-34	CFS	BG	ISB	EE	
RIS3 Andalucía												
RIS3 Aragón												
RIS3 Canarias												
RIS3 Cantabria												
RIS3 C. Valenc.												
RIS3 C. Valenc.												
RIS3 C. Valenc.												
RIS3 Extremad.												
RIS3 Galicia												
RIS3 I. Balears												
RIS3 La Rioja												
RIS3 Madrid												
RIS3 Navarra												
RIS3 País Vasco												
RIS3 P. Asturias												
RIS3 R. Murcia												

State Secretariat for Research, Development and Innovation

	Energía segura, sostenible y limpia				Transporte inteligente, sostenible e integrado										Acción sobre el cambio climático y eficiencia en la utilización de /.../					Ts	Espacio	Turismo	Industrias creativas	Deportes
HORIZON 2020 WP 2014-2015	EE	LCE	SCC	MG	MG1	MG2	MG3	MG4	MG5	MG6	MG7	MG8	GV	WASTE	WATER	SCS	ROP	EeB	SPIRE					
RIS3 Andalucía																								
RIS3 Aragón																								
RIS3 Canarias																								
RIS3 Cantabria																								
RIS3 CLM																								
RIS3 C. Valenc.																								
RIS3 C. Valenc.																								
RIS3 Extremad.																								
RIS3 Galicia																								
RIS3 I. Balears																								
RIS3 La Rioja																								
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RIS3 Navarra																								
RIS3 País Vasco																								
RIS3 P. Asturias																								
RIS3 R. Murcia																								

MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

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Contact



Thank you for your attention!

<http://www.alinne.es/>

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