



# H2020: ENERGÍA LIMPIA, SEGURA Y EFICIENTE RESULTADOS Y ENTORNO

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# VISIÓN GLOBAL RESULTADOS 2014

# Estructura programa de ENERGIA

Secure Clean end  
efficient Energy

Low Carbon  
Technologies  
(WP14-15: 731,73 M€)

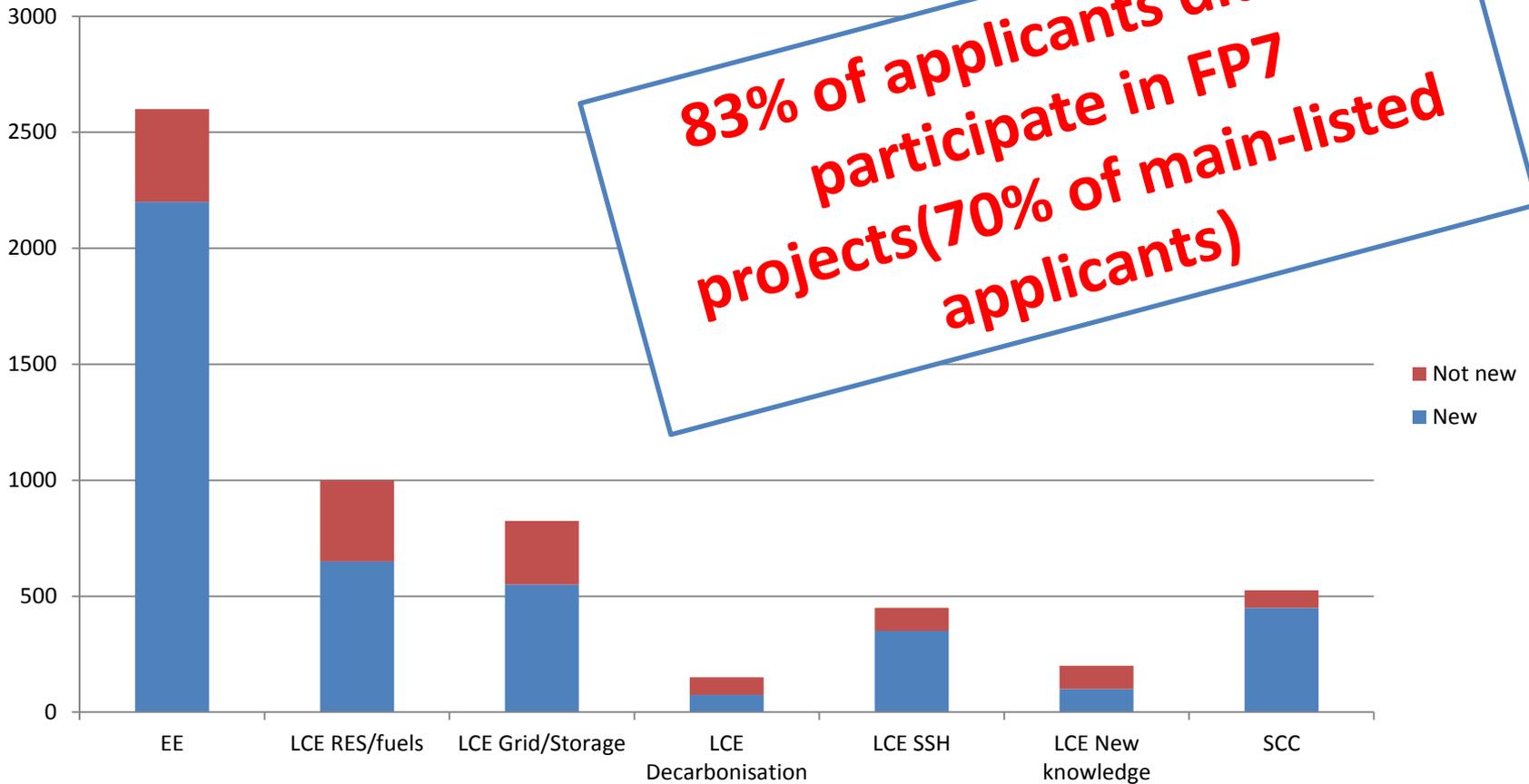


Smart Cities and  
Communities  
(WP14-15: 200,50 M€)



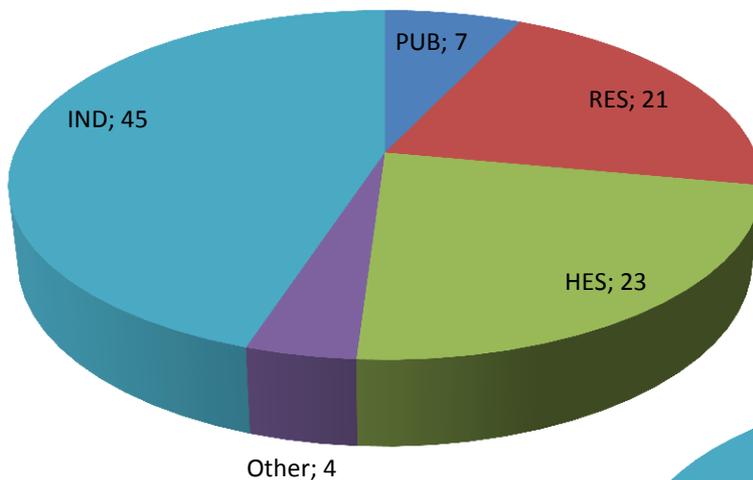
Energy Efficiency  
(WP14-15: 195,65 M€)

# Number of applicants per area and previous experience (2014 Energy Calls)

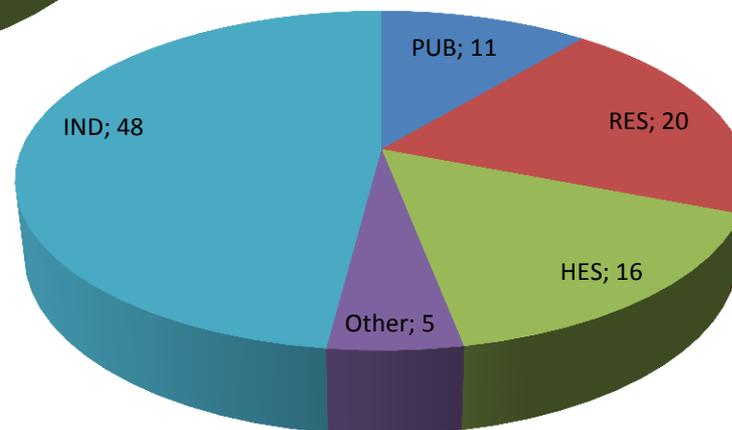


# Tipo de entidad: % en propuestas y proyectos (EU Contrib)

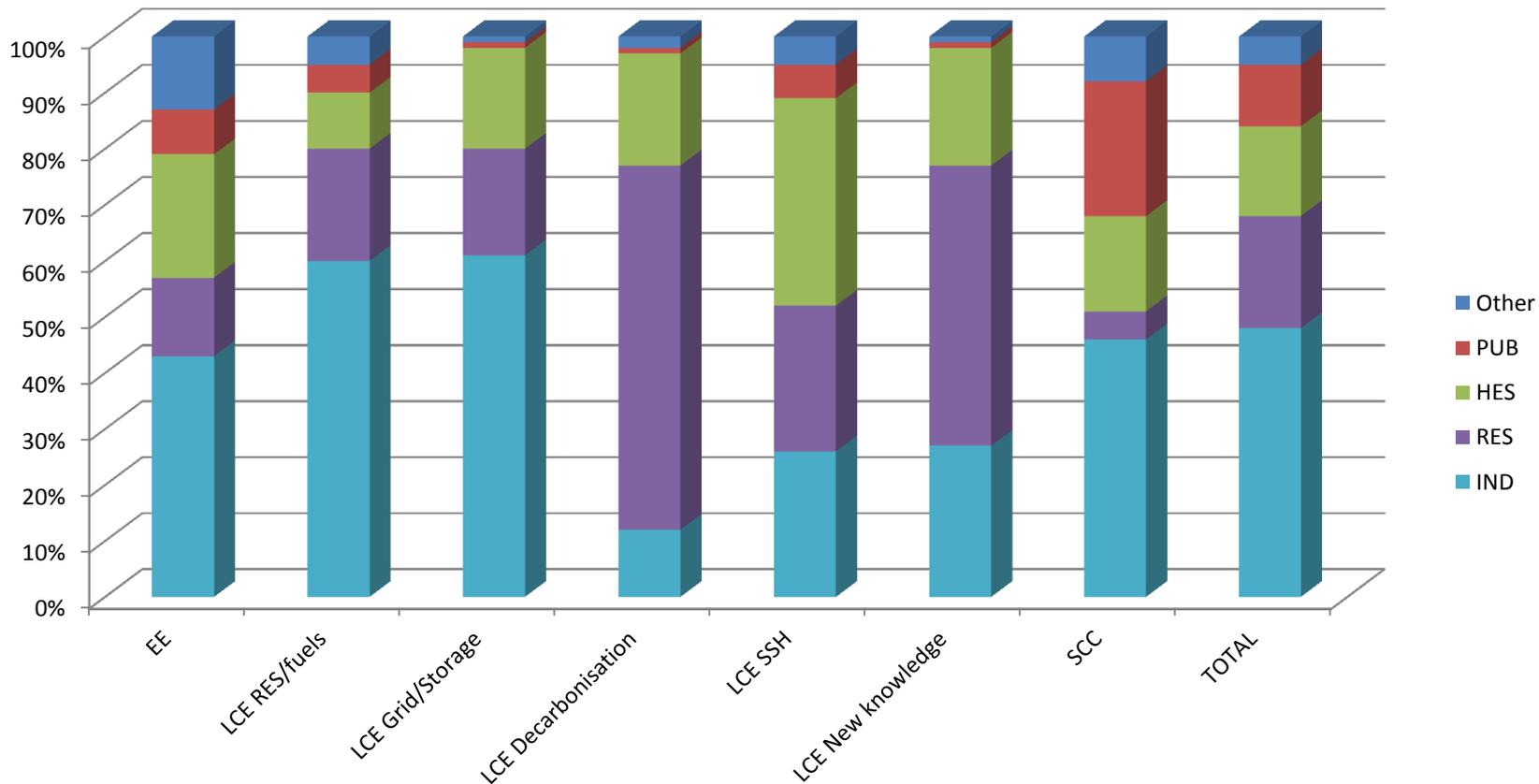
## PROPOSALS



## Projects



# Tipo de Entidad por Área (Proyectos)



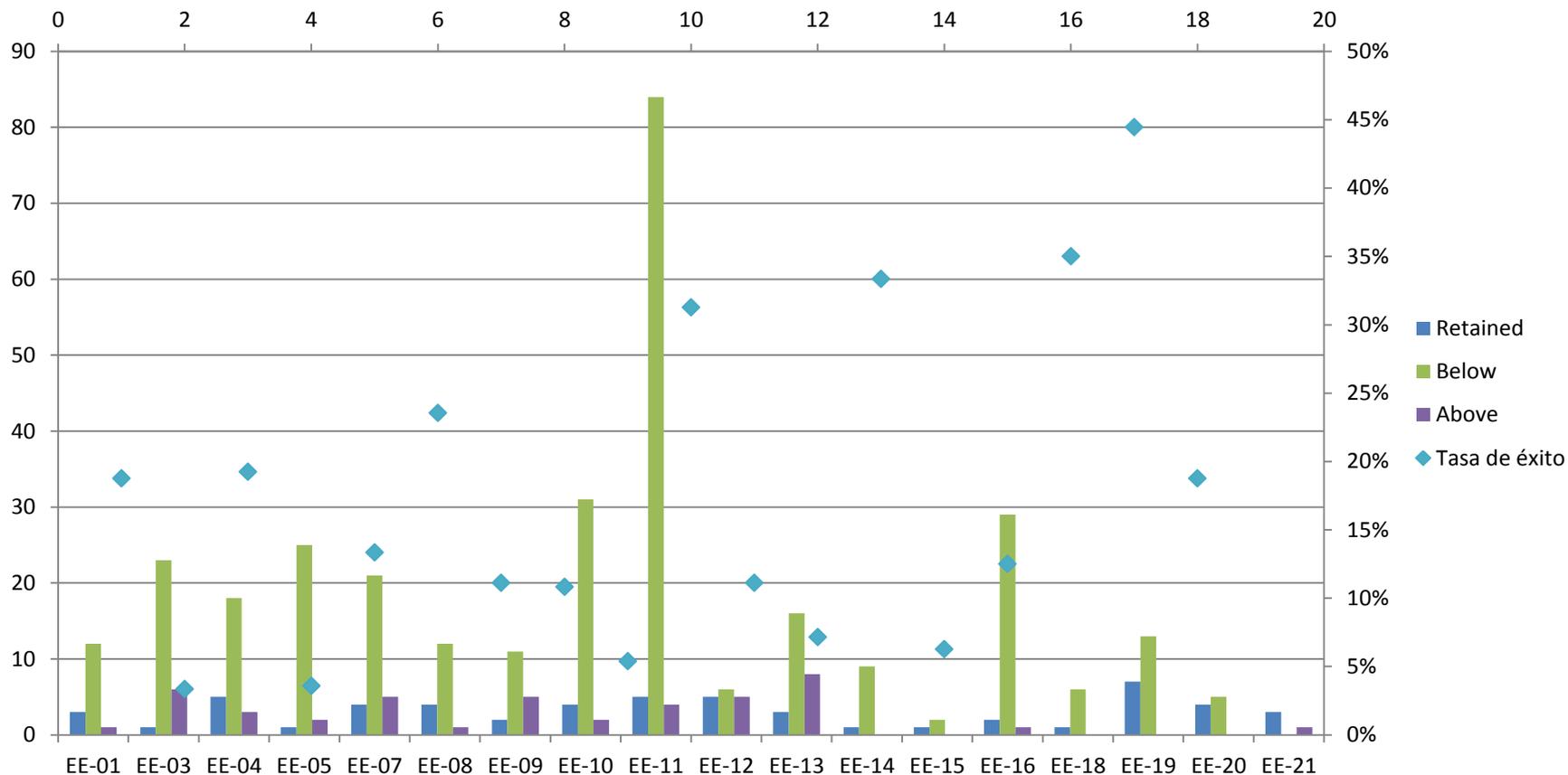
# Observations

- High Interest + limited budget= high oversubscription and low success rates
- Proposals requested Budget: within the ranges indicated in the WP (towards the higher end)
- Main-listed proposals do not differ significantly in terms of their requested budget from the rest of the proposals
- General proposal Characteristics (applicants per proposal, requested EU contribution per proposal and applicant) are similar to FP7

# Características de las propuestas retenidas por instrumento

	CSA	IA	RIA	SME	TOTAL
Prop Retenidas	57	30	40	60	190
Participantes Retenidos	574	417	359	73	1471
Subv solicitada (M€)	95,9	302,5	155,8	23,5	614,5
Media de numero de socios	10,1	13,9	9,0	1,2	7,7
Media de Subv solicitada por propuesta (M€)	1,7	10,1	3,9	0,4	3,2
Media de Subv solicitada por socio (k€)	170	730	430	320	420

# Tasas de éxito: EE (2014)



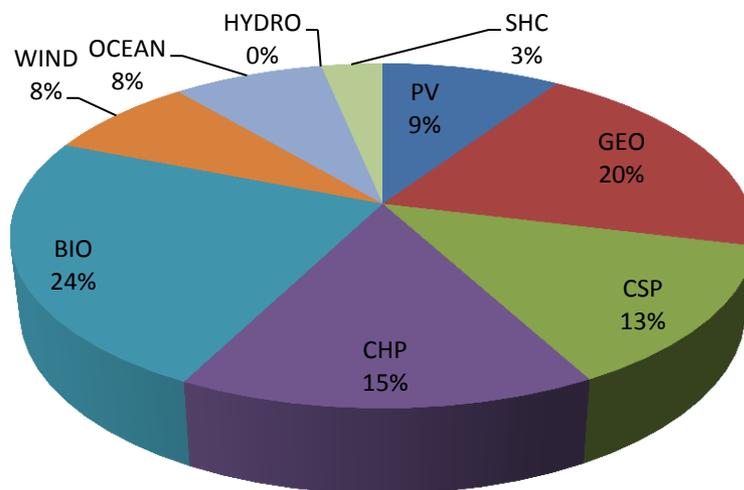
# Tasas de éxito globales

	Propuestas	Proyectos	Tasa de Éxito
EE*	661	56	8%
LCE	922	115	12%
SCC	81	9	11%
<b>Total</b>	<b>1664</b>	<b>180</b>	<b>11%</b>

\* Sólo 2014

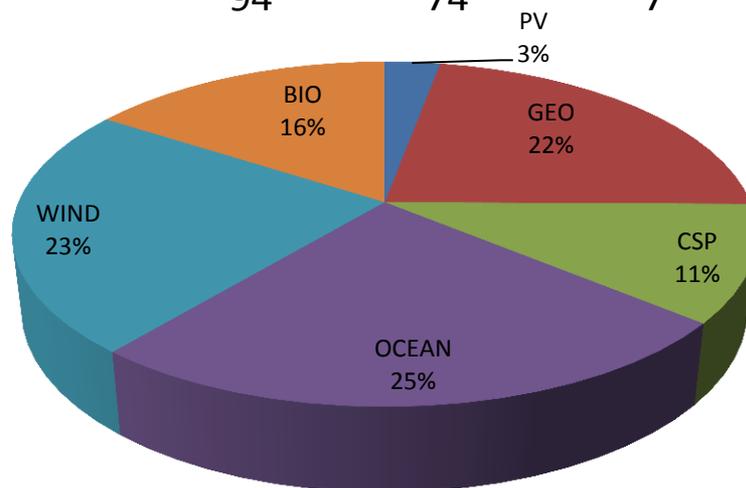
# Tecnologías LCE-2 y 11

	2014			2015			TOTAL	
	Proposals	Funded	Subv (M€)	Proposals	Funded	Subv (M€)	Funded	Subv (M€)
PV	36	2	9,5	47	1	3,3	3	12,8
GEO	11	2	12,1	18	3	14,9	5	27
CSP	25	1	6,5	13	2	11,8	3	18,3
CHP	31	2	12,1	19	2	9	4	21,1
BIO	81	2	10,6	88	4	22	6	32,6
WIND	25	1	7,3	10	1	3,5	2	10,8
OCEAN	25	0	0	20	2	10,8	2	10,8
HYDRO	9	0	0	4	0	0	0	0
SHC	18	0	0	6	1	4,4	1	4,4
<b>Total</b>	<b>261</b>	<b>10</b>	<b>58,1</b>	<b>225</b>	<b>16</b>	<b>79,8</b>	<b>26</b>	<b>137,9</b>



# Tecnologías LCE-3 y 12

	2014			2015			TOTAL	
	Proposals	Funded	Subv (M€)	Proposals	Funded	Subv (M€)	Funded	Subv (M€)
PV	3	0	0	57	1	5,5	1	5,5
GEO	6	2	11,9		2	30,7	4	42,6
CSP	8	2	20,9		0	0	2	20,9
OCEAN	8	1	17		2	30,6	3	47,6
WIND	6	2	14		2	30,4	4	44,4
BIO	5	2	30,2	17	0	0	2	30,2
<b>Total</b>	<b>36</b>	<b>9</b>	<b>94</b>	<b>74</b>	<b>7</b>	<b>97,3</b>	<b>16</b>	<b>191,3</b>



# Contexto Político

## ➤ Link to policy agenda

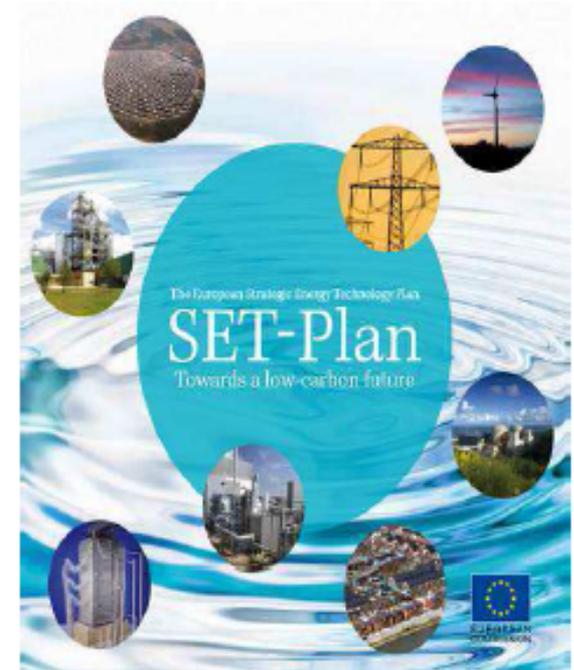
### Objectives for 2020

- 20% reduction of CO2 emissions (ref. 1990)
- 20% share of renewable energy [of EU energy consumption]
- 20% improvement in Energy Efficiency

## ➤ Focus on technologies with market impact up to 2020

## ➤ 2 key implementing bodies:

- **European Industrial Initiatives (EII)**  
*(triggering MSs/industry investments)*
- **European Energy Research Alliance (EERA)**  
*(coordination of research communities)*



## Key Principles

- New policy challenges post-2020

### Objectives for 2030

- 40% reduction of CO2 emissions (Ref. 1990)
- 27% share of renewable energy [of EU energy consumption]
- 27% improvement in Energy Efficiency

- From technology sectors to energy system
- Keep technology options open
- Reinforce the implementation of actions beyond EU-funded projects



## "Towards an Integrated Roadmap", December 2014

- Active consumer
  - Demand focus (energy efficiency)
  - System optimisation
  - Supply
- 
- New integrated approach – going beyond technology silos
  - First time – a comprehensive European energy R&I agenda for solutions to cost-effectively accelerate the energy transition

### Strategic Energy Technology (SET) Plan

Towards an Integrated Roadmap:  
Research & Innovation Challenges and Needs  
of the EU Energy System



<https://setis.ec.europa.eu/set-plan-process/integrated-roadmap-and-action-plan>

[http://ec.europa.eu/priorities/energy-union/index\\_en.htm](http://ec.europa.eu/priorities/energy-union/index_en.htm)

## NEW TECHNOLOGY FOR TOMORROW'S ENERGY

### TODAY:

The EU has **LOST GROUND** on clean,  
**LOW-CARBON TECHNOLOGIES.**



### WITH THE ENERGY UNION:

**LOWER BILLS** for EU citizens.



**EUROPEAN COMPANIES**  
to be world leading on renewable  
and low-carbon technologies.



**#EnergyUnion**

## Energy Union: 5 Pillars

1. **Energy security**, solidarity and trust
2. A fully **integrated** European **energy market**
3. **Energy efficiency** contributing to moderation of demand
4. **Decarbonising** the economy
5. **Research, Innovation and Competitiveness**

# Energy Union: 5th Pillar

## An integrated R&I and Competitiveness Strategy:

- **an upgraded Strategic Energy Technology Plan (SET Plan)**
- **a Strategic Transport R&I agenda (STRIA)**
- **an initiative on EU global Technology and Innovation Leadership on energy and climate to boost growth and jobs (TILI)**

# Energy Union Priorities

No1 in Renewables

Smart EU energy system,  
with consumer at the  
centre

Efficient energy systems

Sustainable transport

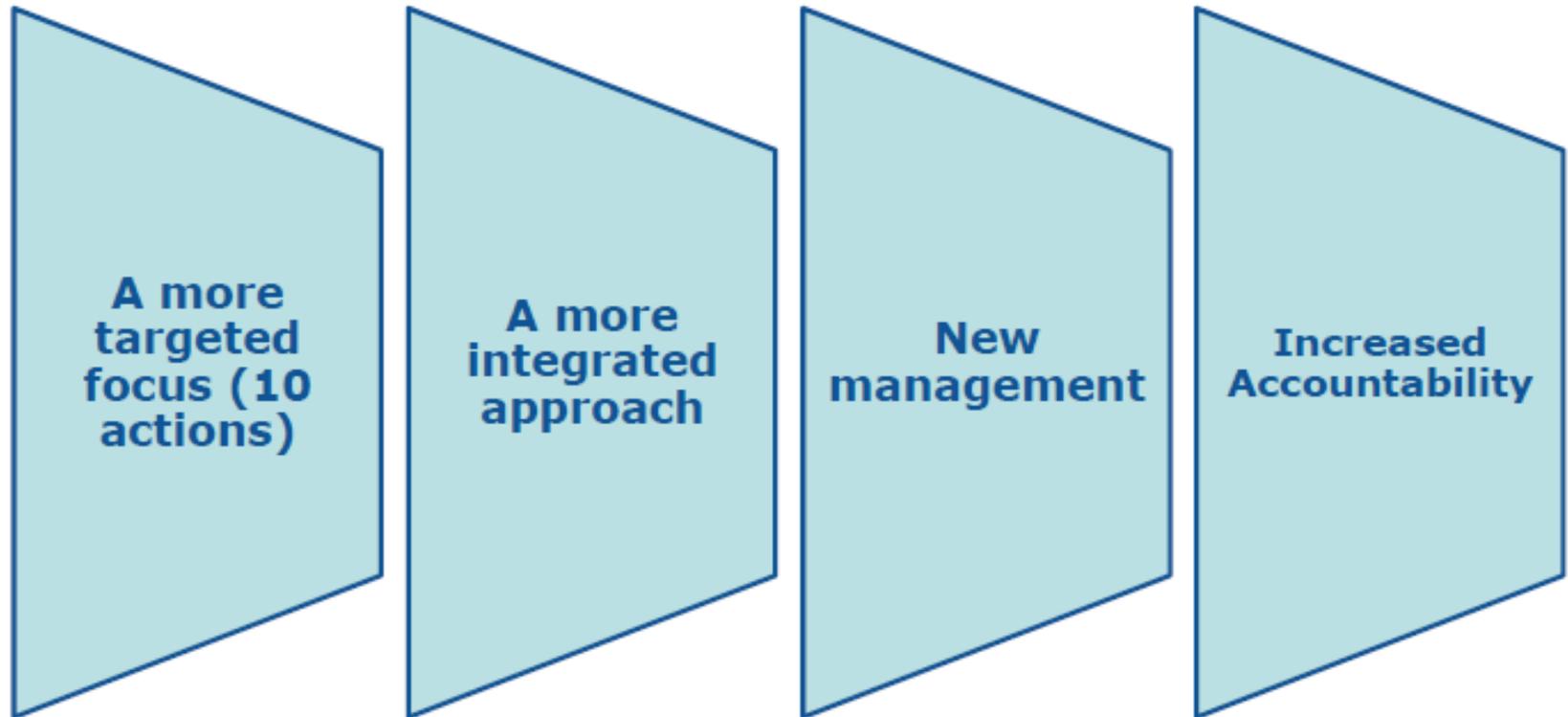
Nuclear Safety

CCS /CCU



# September 2015 Communication: The Integrated SET Plan

## What is new?



<https://ec.europa.eu/jrc/en/news/new-strategic-energy-technology-plan-set-plan-communication>



# The Integrated SET Plan priorities

## Energy Union Priorities

## Ten Actions to Accelerate the Energy System Transformation

### 4 Core priorities

No1 in Renewables

1. Performant renewable technologies integrated in the system
2. Reduce costs of technologies

Smart EU energy system,  
with consumer at the  
centre

3. New technologies & services for consumers
4. Resilience & security of energy system

Efficient energy systems

5. New materials & technologies for buildings
6. Energy efficiency for industry

Sustainable transport

7. Competitive in global battery sector (e-mobility)
8. Renewable fuels



# The Integrated SET Plan priorities

**Energy Union  
Priorities**

**Ten Actions to Accelerate the Energy  
System Transformation**

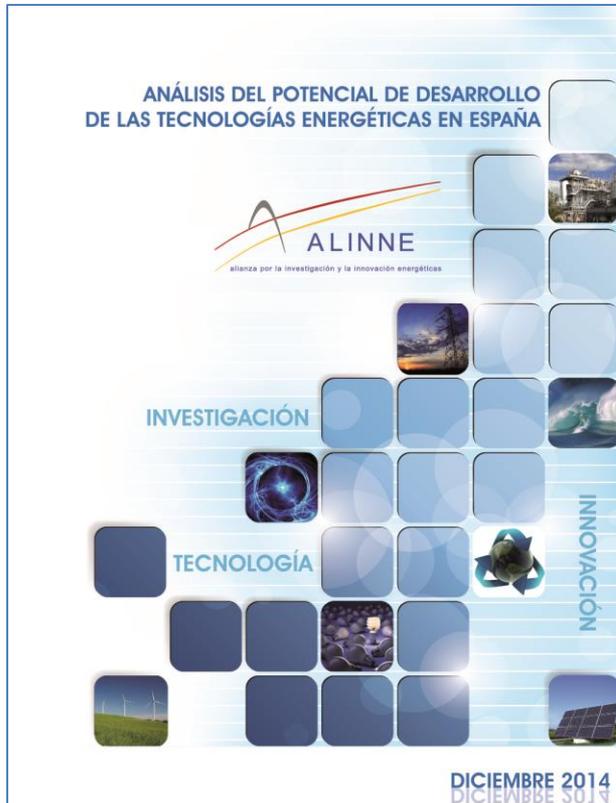
**2 Priorities for interested Member States**

**9 Driving ambition in  
carbon capture storage and use deployment**

**10 Increase safety in  
the use of nuclear energy**

# ALINNE Alianza por la Investigación y la Innovación Energéticas

**"Análisis del Potencial de Desarrollo de las Tecnologías Energéticas en España"  
(MINECO, 29-01-2015)**



... se ha pretendido **identificar las tecnologías energéticas que sean fuertes** en sí mismas por sus claras expectativas de mercado y por su alineamiento con la política tecnológica europea, las tecnologías en las que España sea fuerte o pueda serlo y las tecnologías que puedan tener un mejor impacto en la reducción de emisiones contaminantes, en la mejora de la balanza de pagos y de la dependencia exterior y que tengan un mayor efecto tractor para el desarrollo tecnológico e industrial.

<http://www.alinne.es:8899/documentacion>

**EVALUADORES!!**



Portal español del Programa Marco de Investigación e Innovación de la Unión Europea

[www.eshorizonte2020.es](http://www.eshorizonte2020.es)

**Muchas Gracias  
por su atención**



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