



Italian National Agency for New Technologies,
Energy and Sustainable Economic Development



National and European Initiatives supporting the stakeholder engagement in Circular Economy

Milano, 10 May 2019

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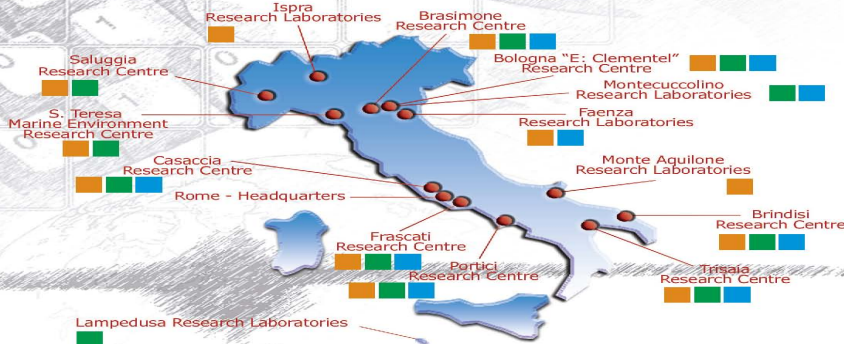


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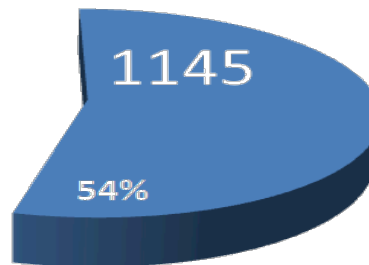
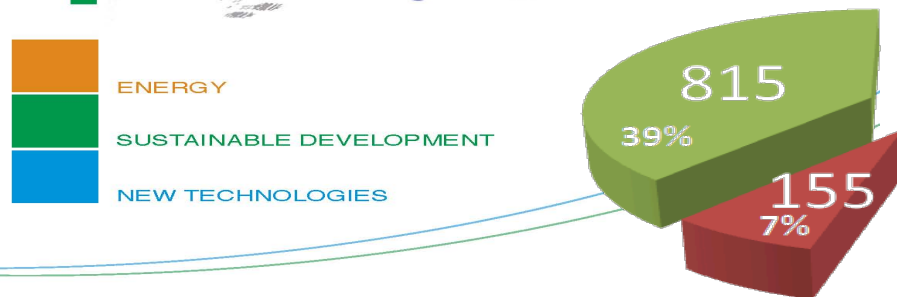
ENEA in figures

ENEA Research Centres



ENEA STAFF
> 2000 units

ENEA STAFF (update: 30.06.2017)

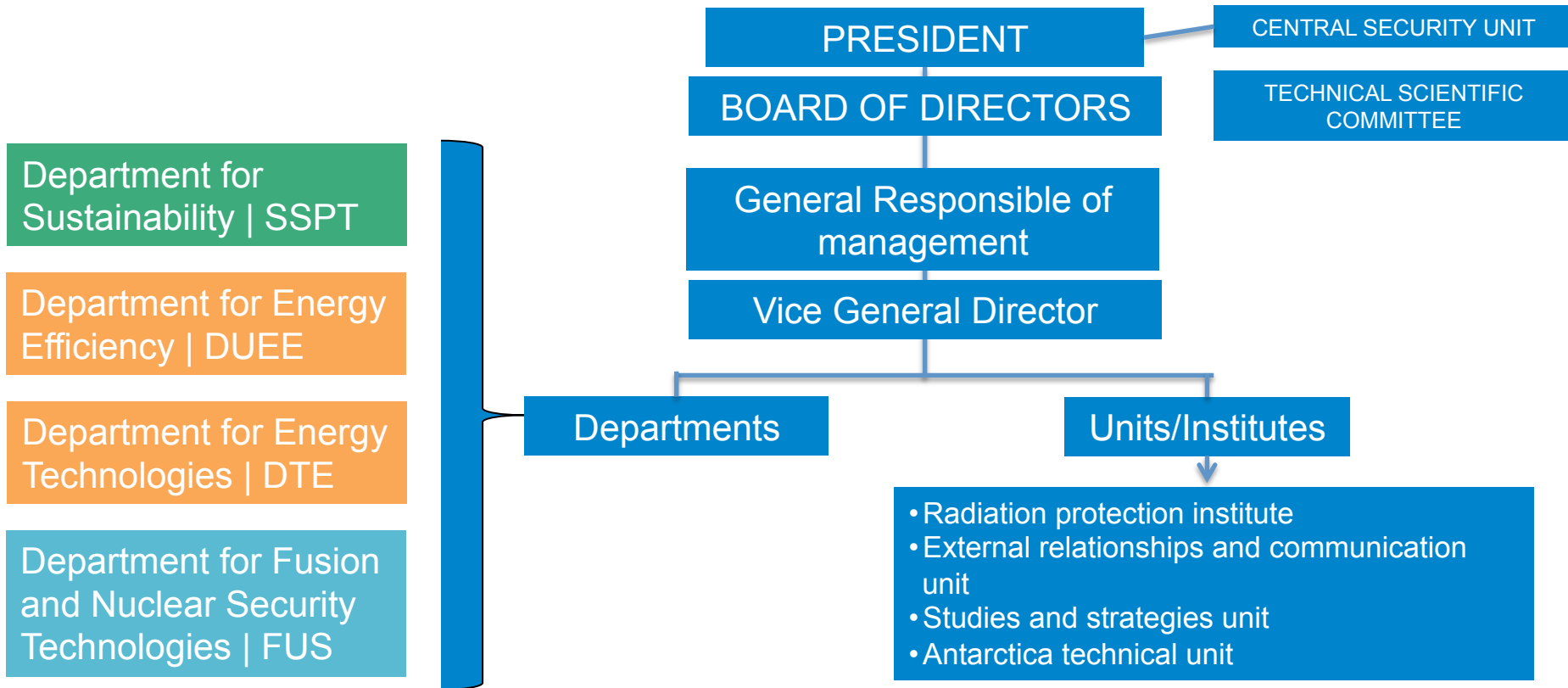


■ Researcher

■ Administrative support

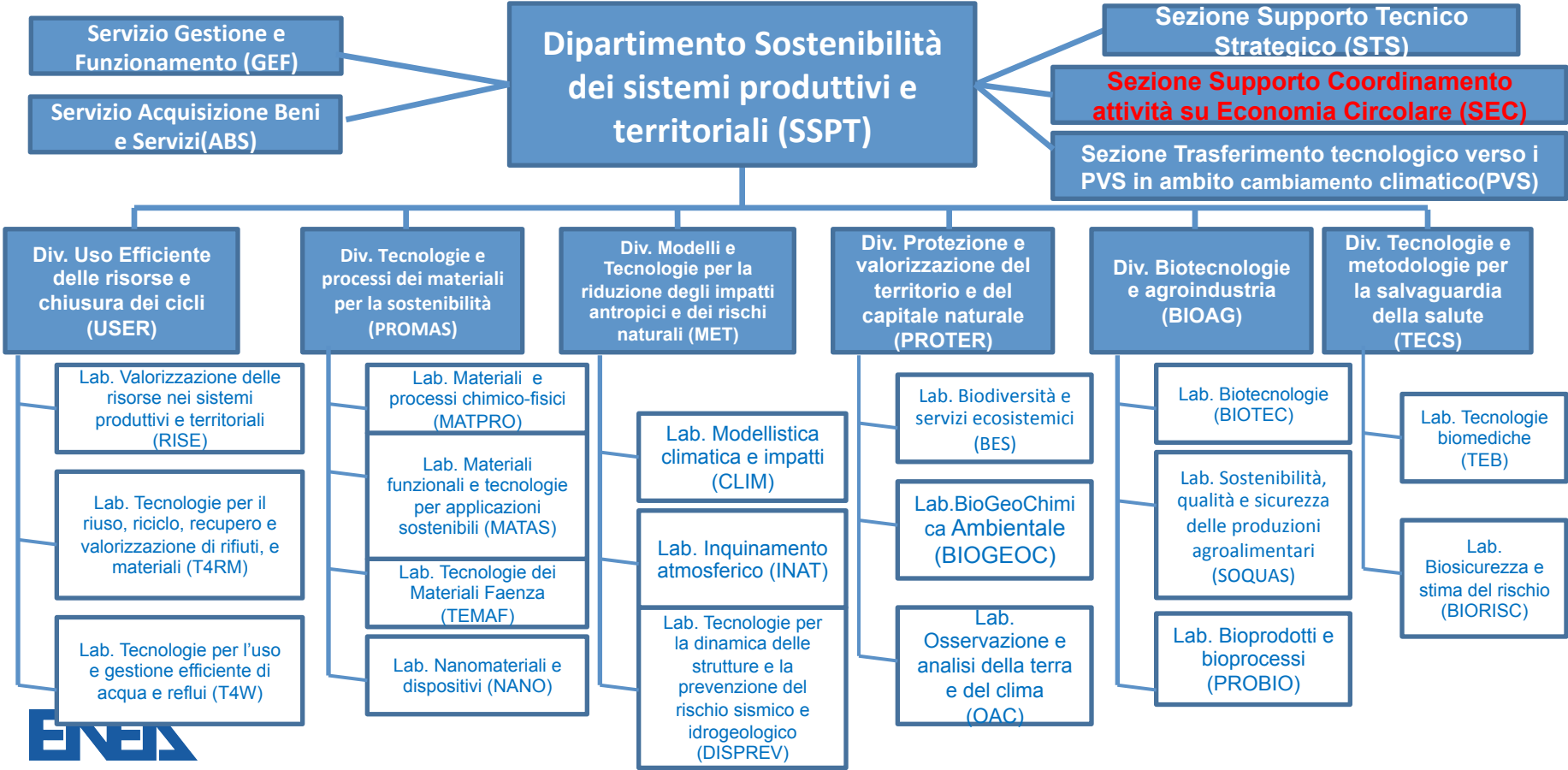
■ Technical support

ENEA Structure



Department for sustainability

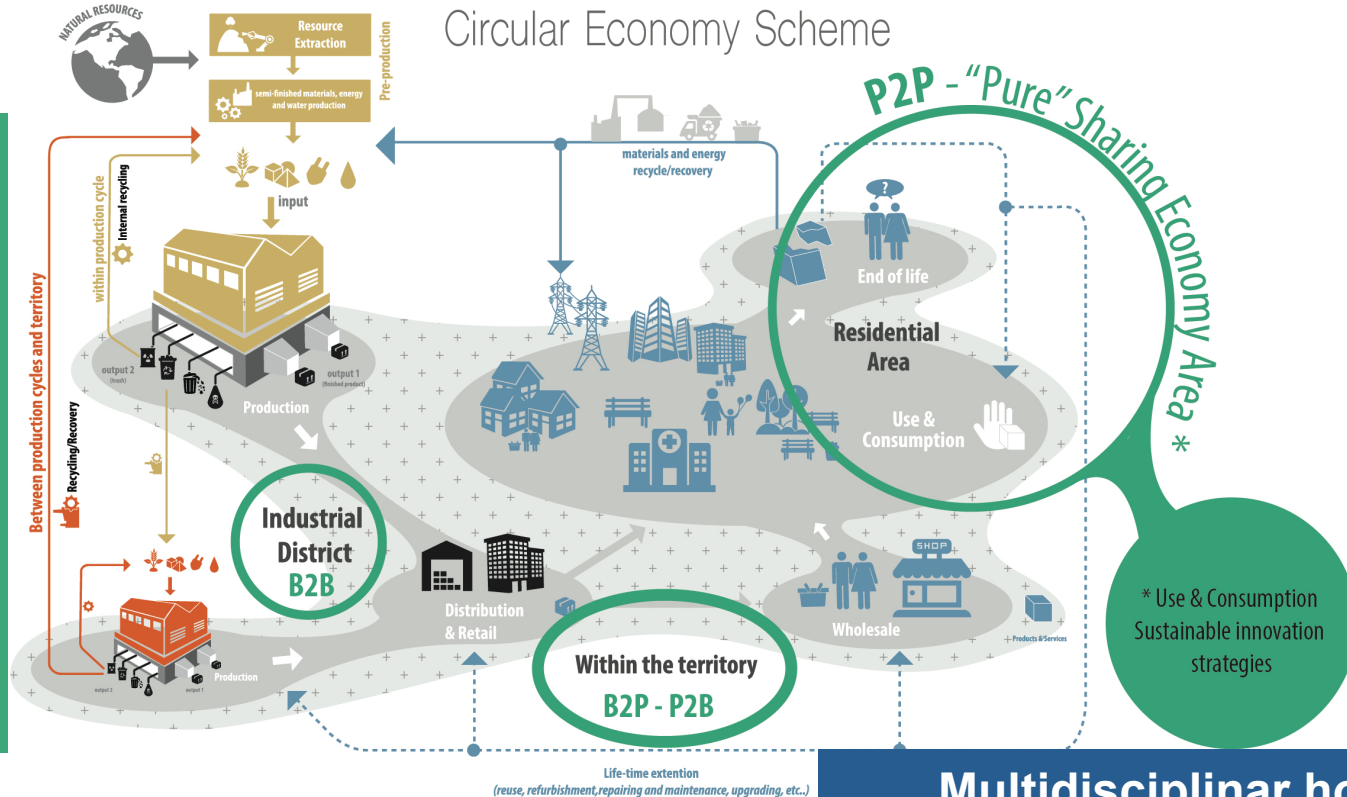
Structure



ENEA approach to circular economy

Stakeholder engagement is vital for the transition.

*(Report on the
implementation
of the Circular
Economy Action
Plan,
March 2019)*



Italian activities on Circular Economy

- Strategic Italian position on circular economy – MATTM Ministry of environment and MISE Ministry of economic development
- General state for green economy - FSS
- Alliance of big enterprises on circular economy – ENEL et al.
- “Zero sprechi” (Zero waste) initiative – FoE It.
- “Storie di economia circolare” – Ecodom
- Workshops on circular economy for enterprises – Confindustria
- Circular economy network: award for start-up and 1st report on circular economy – FSS and ENEA



MANIFESTO
L'Alleanza per l'Economia Circolare
per uno sviluppo innovativo e sostenibile

ZERO SPRECHI



Italian Phosphorous Platform



Aim:
reaching National self-sufficiency in phosphorous

Critical Raw Materials	Dependence from import
Phosphate rock	81%
Phosphorous	100%

- ENEA coordination
- Agreement with MATTM

Working Groups (WGs)

WG1 - Market

WG2 - Technologies and Good practices

WG3 - Legislation

WG4 - Promotion and Sustainability

SUN: Symbiosis Users Network (SUN)

“Network Italiano di Simbiosi Industriale - Symbiosis Users Network (SUN)”



Collaboration agreement signed by the stakeholders that join the network:

- Institutions
- Research organizations
- Universities
- Industrial associations
- etc.

ENEA promoter and appointed President

The network is proposed as an Italian reference for **industrial symbiosis operators** at industrial, research and territorial level.

SUN aims to achieve the following objectives:

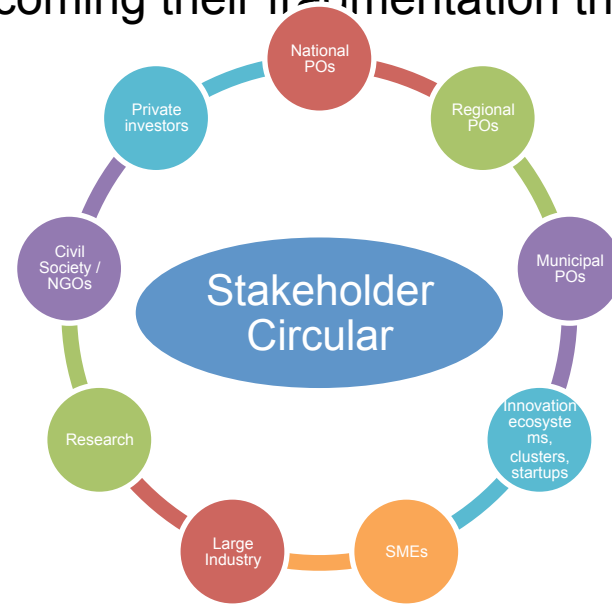
- **encourage collaboration** and promote contacts and **exchanges of information** and experiences between research institutions, control authorities and companies;
- identify solutions for the main **technical and regulatory criticalities** and for the implementation of industrial symbiosis paths;
- **transfer and disseminate information** via databases, websites, conferences, seminars, etc.

CICERONE H2020 PROJECT - Circular economy platform for European strategic research and innovation agenda

Project financed (call H2020 CE-SC5-05-2018): *Coordinated approaches to funding and promotion of research and innovation for the circular economy.*

Objective: elaboration of the **European strategic agenda for research and Innovation funding for circular economy**, allowing efficient use of funding resources avoiding duplicance for similar initiatives and overcoming their fragmentation through joint initiatives.

- General Coordinator (programme owner): CLIMATE KIC
- Technical Coordinator: ENEA
- Technical partners: VITO (BE), TNO (NL), IETU (PL), WUPPERTAL (DE), IVL (SE), CEA (FR), VTT (FI)
- Italian organizations participating in project consultation: Agenzia di Coesione Territoriale (Advisory Board), Regioni Puglia, Regione Emilia Romagna, ENEL, HERA, INTESA SANPAOLO, UNICIRCULAR, CNA.



European Circular Economy Stakeholders Platform ECESP

Tool to support the transition towards a Circular Economy and the EU CE Action Plan



- A joint initiative of the **European Commission** and the **European Economic and Social Committee**
- An European instrument where stakeholders can meet and **exchange** across countries and across sectors
- A "**network of networks**"

ECESP - Members of the Coordination Group

24 representatives of civil society and local governments networks selected from 192 applicants (call for expression of interest was launched in Summer 2017).



Agenzia nazionale per le nuove tecnologie,
l'energia e lo sviluppo economico sostenibile



ICESP: Italian National Hub for Circular Economy

ENEA was selected by the European Commission as member of the ECESP Coordination Group and as unique Italian representative, it has been asked to act as a National Hub, an interface between Italian Circular Economy Stakeholders and the European Platform.



Main objective: to promote the sharing of best practices for circular economy implementation on the Italian territory.

ECESP vs ICESP

ECESP tasks

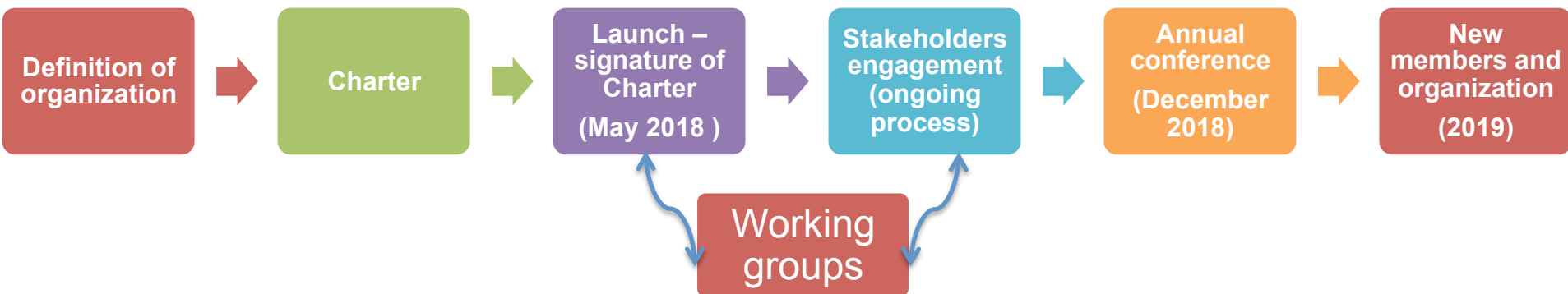
- promote the dissemination of knowledge
- foster dialogue and identification of possible synergies
- map good circular economy practices

ICESP purposes

- carry on the European mandate to promote greater harmonization and integration between existing actions in Italy and in European countries:
- promote the dissemination of knowledge;
- foster dialogue and possible synergies between Italian stakeholders;
- map Italian good practices.
- encourage the integration of initiatives at the Italian level;
- create a permanent operational tool that can promote and facilitate cross-sectoral dialogue and interactions;
- spread Italian excellence starting from the traditions and typical issues of our country focusing on cultural, social and entrepreneurial models:
"The Italian way for circular economy"

ICESP first steps

Duration: 3y renewable at least for the duration of ECESP,
but with the aim of assuring the role of hub for CE at Italian level



ICESP – Founders

[Update at 03/12/2018]

Public Administration, Local Government #6	Ministero dell'Ambiente e della Tutela del Territorio e del Mare (DG RIN – DG SVI – DG CLE)
	Ministero dello Sviluppo Economico
	Agenzia per la Coesione Territoriale
	Regione Emilia Romagna
	Regione Puglia
	ANCI
Education, Research, Innovation #3	ENEA
	Alma Mater Studiorum Università di Bologna – CTS ECOMONDO
	Fondazione Sviluppo Sostenibile – Circular Economy Network
Companies, Business and Trade associations #10	AMA
	Confindustria
	CNA
	ENEL
	HERA
	Intesa Sanpaolo Innovation Center
	Remedia

ICESP members

[Update at 11/02/2019]

Categories	ICESP Stakeholders
Public Administration, Local Government #9	Agenzia per la Coesione Territoriale
	Ministero dell'Ambiente e della Tutela del Territorio e del Mare (DG RIN-SVI-CLE)
	Ministero dello Sviluppo Economico
	Regione Emilia Romagna
	Liguria ricerche
	Regione Lombardia
	Regione Umbria – Sviluppumbria Spa
	Regione Puglia
	Comune di Pesaro
Education, Research, Innovation #11	Alma Mater Studiorum Università di Bologna – CTS ECOMONDO
	ENEA
	Fondazione Ecosistemi
	Fondazione Eni Enrico Mattei
	Fondazione Sviluppo Sostenibile – Circular Economy Network
	Istituto Nazionale di Urbanistica - INU
	Istituto Superiore per la Protezione e la Ricerca Ambientale – ISPRA
	Università degli Studi di Bari
	Università IUAV di Venezia
	Università Niccolò Cusano
	Università Roma 3
Civil society #2	Associazione Italiana per lo Sviluppo dell'Economia Circolare-AISEC
	Movimento Legge Rifiuti Zero

Categories	ICESP Stakeholders
Companies, Business and Trade associations #30	AMA
	Associazione Italiana Polistirene Espanso – AIPE
	Associazione Nazionale delle piccole e medie imprese edili manifatture - ANIEM Lazio
	Cluster SPRING
	CNA
	Confederazione italiana piccola e media industria privata - CONFAPI Roma
	Confindustria
	COREPLA
	ECODOM
	Ecoinnovazione
	ENEL
	ENI
	Federbeton
	GreenTech Italy
	HERA
	ILVA
	Intesa San Paolo
	LMPE srl
	Mercato Circolare
	Nespresso
	Novamont
	Novus
	PVC Forum Italia-VinylPlus
	Radici Group
	Remedia
	RINA
	Seri Industrial
	Unicircular



ICESP - Working groups

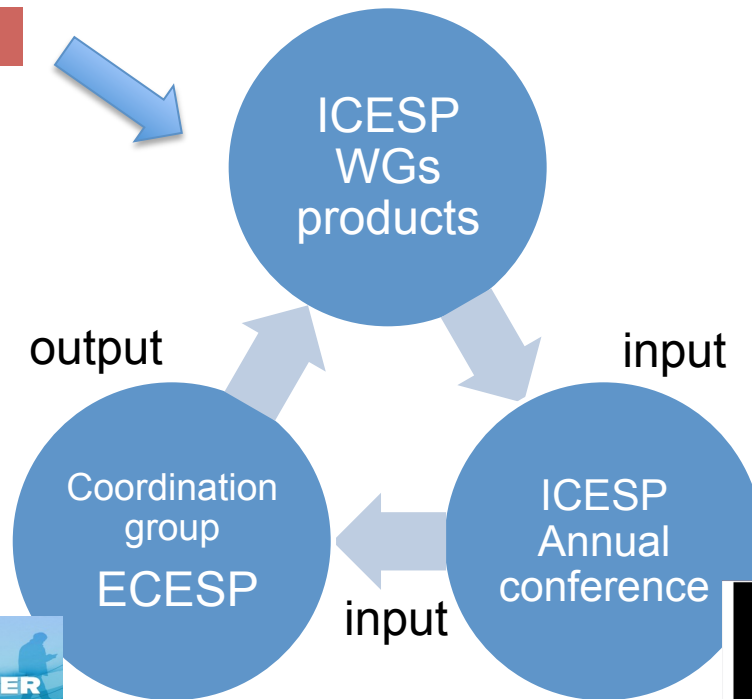
Working group	Coordinators	WGs members
1- Research and innovation, knowledge diffusion and training/education	Università di Bologna, Regione Puglia-ARTI, CNA	29
2- Policy and Governance	MATTM–DG RIN, MiSE, Unicircular	25
3- Indicators for CE	MATTM–DG SVI, ENEA	17
4- Sustainable and circular systems for design, production, distribution and consumption	ENEL, ENEA, Intesa Sanpaolo Innovation Center	29
5- Cities and territory	ENEA , ACT	26
6- Best practices and integrated approaches	Regione Puglia-ARTI, Unioncamere, ENEA	17

ICESP - Expected products

WGs	Expected products
1 – Research&Innovation	Report on the state of art of eco-innovation
2 – Policy&Governance	Report on circular economy policy and governance
3 – Indicators	Review of initiatives for circular economy measurement
4 – Production&Consumption	Report on value chain BPs
5 – Cities&Territories	Workshop on Urban BPs (Rome, nov18) Report on BPs
6 – Best practices	Collection of BPs for ECESP

ECESP - ICESP connections

ICESP launch



ECESP Stakeholder Conference



2019 Circular Economy Stakeholder Conference: Success Stories and New Challenges

- Explore the **action plan** as a successful framework for the transition while discussing **policies** to capitalize on the current global momentum
- Widen the discussion to consider the **circular economy as an enabler** to achieve the **Agenda 2030**
- Share **successes** and identify new challenges.

Future perspectives

- ICESP as **interactive forum** to discuss real cases on :
 - CE gaps and barriers
 - CE drivers
 - CE applications
- Mapping **CE Italian Best Practices**
- Thematic **workshops** on specific sectors (plastics, textile, cities,...)
- Linking to other **ECESP mirror platforms**.

Thanks for your attention!

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www.enea.it

www.icesp.it



www.icesp.it



www.circulareconomy.europa.eu