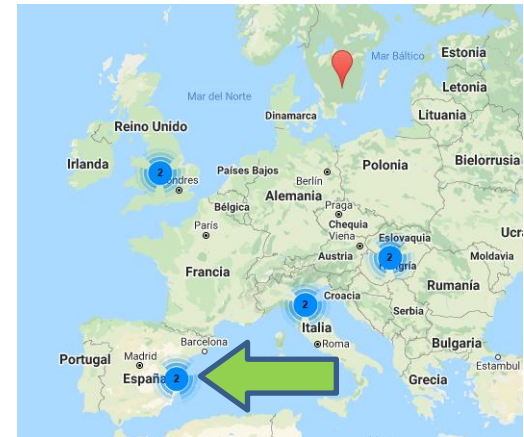


Raising Awareness in Regional Sectors and Clusters: a Trigger to Industrial Symbiosis Policies. Action Plan in the CV

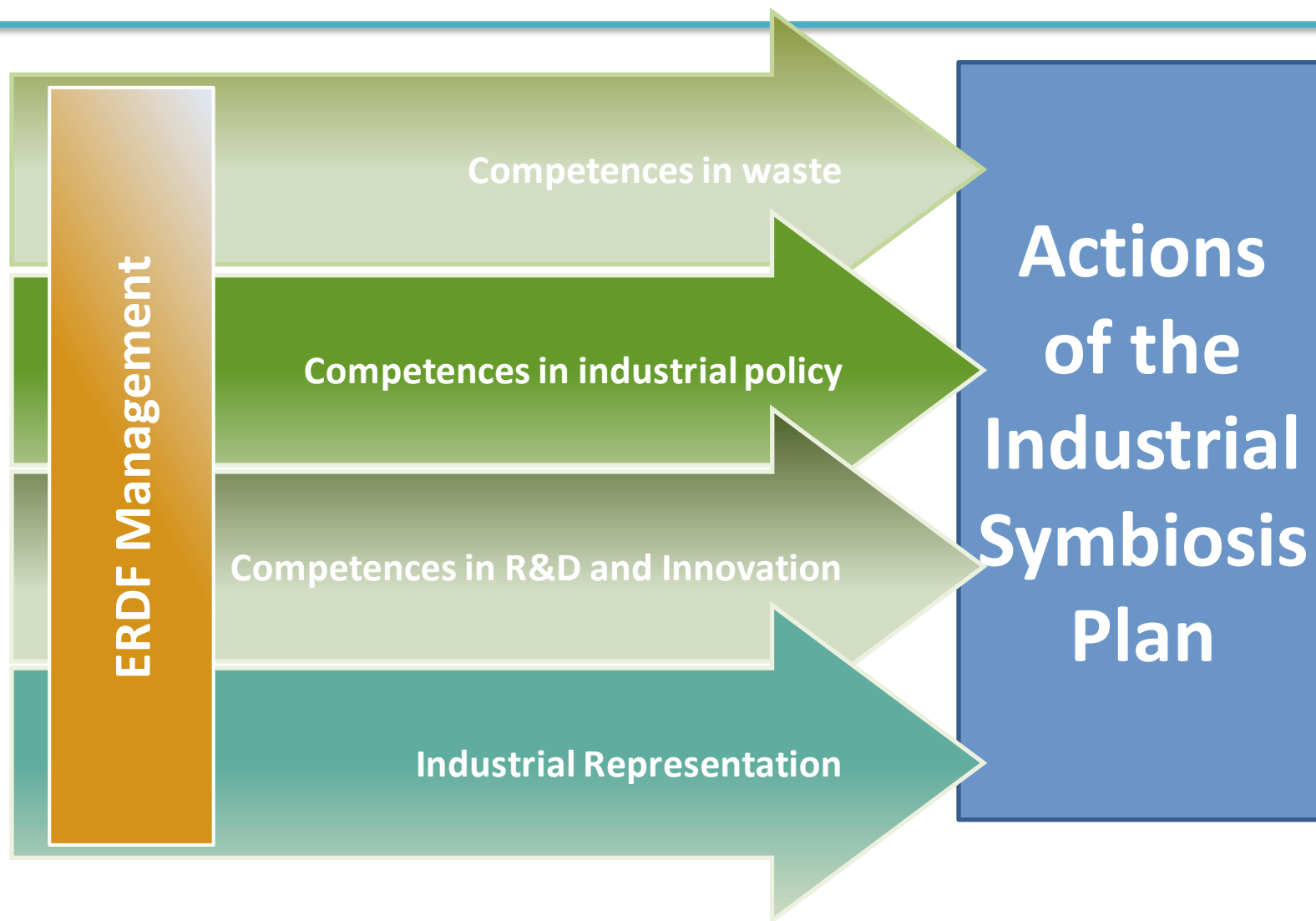
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About Industrial Symbiosis

- Part of the Sustainable Economy concept. **Environmental benefits** involved
- Not only transforming activities: Primary sector, services, final users, administrations. **Cross-cutting.**
- It is (industrial) **cooperation.**
- ...although not enough (industrial) evidence.
- Initial **added value** usually **low**. Management costs (logistics, licences, fees, storage) may be relevant.
- Good practices only theoretical: **case by case.**
- Very important **regulatory and administrative implications.**

Different scopes involved



The way we addressed them

			Interview	Technical day	Interregional visits	IS Labs
Regional Ministries	Innovation	D.G. IVACE	X		X	X
	Economy	DG Economía, Emprendimiento y Cooperativismo	X		X	X
	ERDF	DG de Financiación y Fondos Europeos	X		X	X
	Agro	DG de Desarrollo Rural y Política Agraria Común			X	X
	Environment	DG Canvi Climàtic i Qualitat Ambiental	X			X
Regional entities	Industrial Areas	IVACE Parques Empresariales	X			X
	Industrial Development	IVACE Área de empresas y asociaciones	X			X
Industrial Associations	Federation	CEV	X	X		X
	Metal Sector	FEMEVAL	X	X		X
	Metal Sector	FEMPA	X	X		
	Multisectorial Cluster	ASIVALCO	X			X
	Industrial Areas	FEPEVAL				x
	Waste Management Sector	AGENOPE	X			X
	Chemical Sector	QUIMELTIA	X	X		
Technological Centers	Energy	ITE				X
	Plastic Industry	AIMPLAS				X
	Agro	IVIA	X		X	X
	Ceramic Industry	ITC				X
Chamber of Commerce		Cámara de Comercio y Navegación de Valencia.	X	X		X
Universities		Universidad Politécnica de Valencia				X
City Council	Valencia	Inndea				X



... and we defined our IS Plan



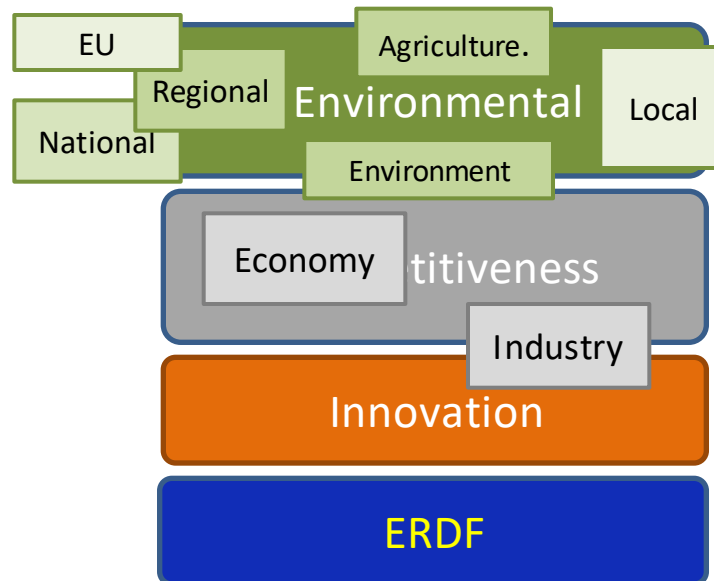
Axis.	Action
Visibility and presence of Industrial Symbiosis (IS).	
Policy Instrument.	Creation of a Specialized Strategic Innovation Committee on EC
Administration.	Increase of the environmental/sustainability evaluation weight on all Regional Administration-related activities
Stakeholders and companies.	Integration of IS awareness, information exchange and matchmaking promotion into the action plans of the Industrial Associations in the region
Instruments to promote IS actions	
Methodologies and resources	INSYLAY PROJECT
Technical Feasibility.	Incentives for feasibility studies/preparatory actions related to Industrial Symbiosis
Implementation actions	R&D & Innovation projects regarding implementation of IS models

Well, not so straightforward...

Not enough information for discussion

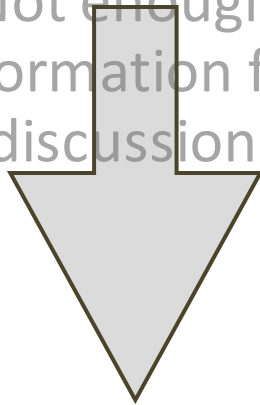
Coordinated Policy Making showed to be complicated

The case by case approach, totally inefficient for SME awareness



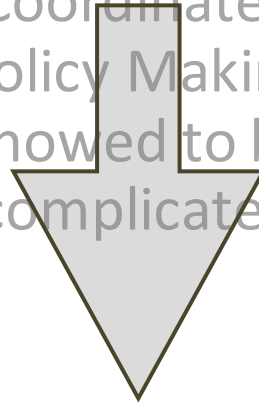
Well, not so straightforward...

Not enough
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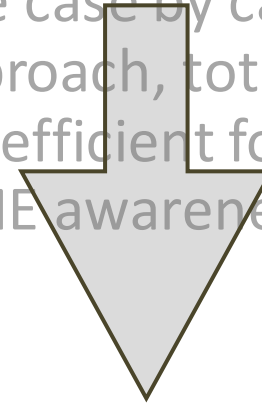
Parallel actions
carried out in
the period

Coordinated
Policy Making
showed to be
complicated



Focus on
competitiveness
policies

The case by case
approach, totally
inefficient for
SME awareness



Industrial
Associations
played a key role
as Stakeholders

Coming Back to the IS Plan

(Associations have a dedicated action)



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Coming Back to the IS Plan

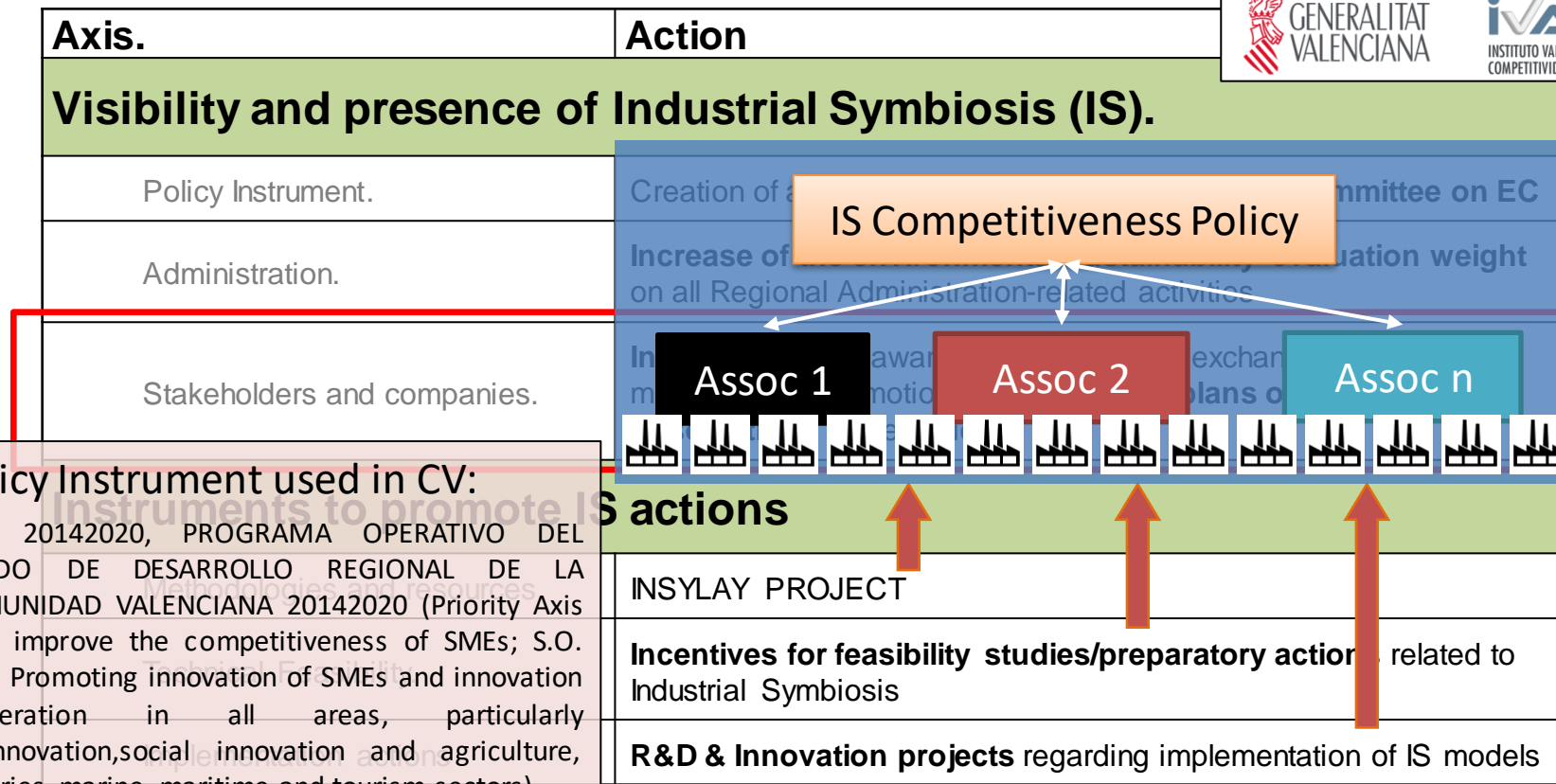
(Associations provide companies to the rest of instruments)



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Coming Back to the IS Plan

(Associations are a cornerstone of the whole IS Plan)



Associations Engaged

Locale	Sectoral	Multi-Sectoral
BUINSA	FEMEVAL	CEV
ASIVALCO	FEMPA	<ul style="list-style-type: none"> ▪ 10000 companies (1000 direct TRIS “customers”). ▪ Actions developed: <ul style="list-style-type: none"> ▪ Match-making sessions ▪ Diagnoses. Feasibility analyses. ▪ Definition of pilot actions. ▪ Technology support for SMEs. ▪ Training. ▪ Etc.
RIBA3	QUIMELTIA	
Ciudad de Empresas	ELVANIA	
ASECAM		
Pol. Ind. Las Atalayas		
APPI		
PACTEM Nord		

Conclusions

- Industrial Federations/associations are a key stakeholder for IS.
 - Concentration of companies (Geographic and Sectoral).
 - Used to deal with collective actions.
 - Image
 - They are –usually- direct counterparts of the policy makers

Conclusions

- Industrial Federations/associations are a key stakeholder for IS.
- At the early stages of the implementation of new instruments, they have shown to be an invaluable asset.
 - They are a bi-directional channeling element between policies and recipients.
 - Promote the policy among their “customers”.
 - “Provide” companies for the policy instruments.

Conclusions

- Industrial Federations/associations are a key stakeholder for IS.
- At the early stages of the implementation of new instruments, they have shown to be an invaluable asset.
- Sometimes their involvement creates a sort of “informal policy”, since they promote the IS culture and even include support actions in their own action Plans.
 - They can have their own *mini-action plans* for privileged activities with companies.

Conclusions

- Industrial Federations/associations are a key stakeholder for IS.
- At the early stages of the implementation of new instruments, they have shown to be an invaluable asset.
- Sometimes their involvement creates a sort of “informal policy”, since they promote the IS culture and even include support actions in their own action Plans.
- The inclusion of IS in their plans keeps it dynamically in the Policy Agenda.
 - Specially when there are several policy-makers involved.

Opportunities Going Forward

- INSYLAY and SYMBINET

Platform for the promotion of resource sharing, collaboration and Industrial Symbiosis.



Opportunities Going Forward

- The Observatory of Industrial Symbiosis (CV)



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